



Brushless DC Motors – Servo Motors

Brushless DC Motors – Servo Motors

Inhaltsverzeichnis	Seite
DUET 60	8
DUET 60 0,65 01	9
DUET 60 1,3 02	11
DUET FLEXI 60	13
DUET FLEXI 60 0,65 01	14
DUET FLEXI 60 1,3 01	17
DUET FLEXI 80	20
DUET FLEXI 80 1,5 03	21
DUET FLEXI 80 2 03	23
DUET HV 100	25
DUET HV 100 5,6	26
DUET HV 100 8	28
DUET HV 142	30
DUET HV 142 16,5 17	31
DUET HV 60	33
DUET HV 60 1,3 15	34
TC 40	36
TC 40 0,16 32	37
TC 40 0,16 01	39
TC 40 0,32 01	41
TC 40 0,32 21	43
TC 60	45
TC 60 0,65 21	46
TC 60 1,3 21	48
TC 60 1,3 15	50
TC 80	52
TC 80 1,5 21	53
TC 80 1,5 15	55
TC 80 2,8 21	57
TC 80 2,8 15	59
TC 80 4 15	61
TC 80 4 17	63

TC 100	65
TC 100 3,2 21	66
TC 100 3,2 15	68
TC 100 5,6 15	70
TC 100 8 15	72
TC 115	74
T 115 3 21	75
T 115 3 15	78
T 115 5,2 14	81
T 115 5,2 15	84
T 115 7 15	87
T 115 7 17	90
T 115 9,2 15	93
T 115 9,2 17	96
T 115 11 15	99
T 115 11 17	102
TC 142	105
T 142 12 15	106
T 142 12 17	109
T 142 16,5 15	112
T 142 16,5 17	115
T 142 21 15	118
T 142 21 17	121
T 142 25,5 15	124
T 142 25,5 17	127
TC 180	130
T 180 22,5 17	131
T 180 35 17	133
T 180 47 17	135
TC-L 40	137
TC-L 40 0,16 00	138
TC-L 40 0,16 32	140
TC-L 40 0,32 00	142
TC-L 40 0,32 32	144
TC-L 60	146
TC-L 60 0,65 00	147
TC-L 60 0,65 01	150
TC-L 60 0,65 32	153

TC-L 60 1,3 01	156
TC-L 60 1,3 32	159
TC-L 80	162
TC-L 80 1,5 01	163
TC-L 80 1,5 03	166
TC-L 80 2,8 02	169
TC-X 40	172
TC-X 40 0,16 32	173
TC-X 40 0,16 01	175
TC-X 40 0,32 01	177
TC-X 40 0,32 21	179
TC-X 60	181
TC-X 60 0,65 21	182
TC-X 60 1,3 21	184
TC-X 60 1,3 15	186
TC-X 80	188
TC-X 80 1,5 21	189
TC-X 80 1,5 15	191
TC-X 80 2,8 21	193
TC-X 80 2,8 15	195
TC-X 80 4 15	197
TC-X 80 4 17	199
TC-X 100	201
TC-X 100 3,2 21	202
TC-X 100 3,2 15	204
TC-X 100 5,6 15	206
TC-X 100 8 15	208
TC-E 40	210
TC-E 40 1A B1 2	211
TC-E 40 1B C1 2	213
TC-E 40 1A B1 4	215
TC-E 40 1B C1 4	217
TC-E 60	219
TC-E 60 2A D3 2	220
TC-E 60 2B D3 2	222
TC-E 60 2A D3 4	224
TC-E 60 2B D3 4	226

TC-E 80	228
TC-E 80 3A D2 2	229
TC-E 80 3B D4 2	232
TC-E 80 3A D2 4	235
TC-E 80 3B F3 4	238
TC-E 100	241
TC-E 100 4A D1 2	242
TC-E 100 4B D5 2	244
TC-E 100 4A D6 4	246
TC-E 100 4B H3 4	248
TC-E 130	250
TC-E 130 5A F1 2	251
TC-E 130 5B L1 2	254
TC-E 130 5C F1 2	257
TC-E 130 5D F4 2	260
TC-E 130 5E L1 2	263
TC-E 130 5F L1 2	266
TC-E 130 5G H1 2	269
TC-E 130 5H F4 2	272
TC-E 130 5A F1 4	275
TC-E 130 5B L1 4	278
TC-E 130 5C F1 4	281
TC-E 130 5D F4 4	284
TC-E 130 5D L3 4	287
TC-E 130 5E L1 4	290
TC-E 130 5F L1 4	293
TC-E 130 5G H1 4	296
TC-E 130 5H F4 4	299
TC-E 180	302
TC-E 180 6A G2 2	303
TC-E 180 6B F2 2	306
TC-E 180 6C H1 2	309
TC-E 180 6D E2 2	312
TC-E 180 6E G1 2	315
TC-E 180 6F G5 2	318
TC-E 180 6G G4 2	321
TC-E 180 6A G3 4	324
TC-E 180 6B F2 4	327
TC-E 180 6C H1 4	330

TC-E 180 6D E2 4	333
TC-E 180 6E G1 4	336
TC-E 180 6F G5 4	339
TC-E 180 6F M1 4	342
TC-E 180 6G G4 4	345
TC-E 180 6G L2 4	348
DUET 40	351
DUET 40 0,16 00	352
DUET 40 0,32 01	354
DUET AD 80	356
DUET AD 80 1,5 03	357
DUET AD 80 2,8 02	359
DUET HV 80	361
DUET HV 80 2,8 17	362
DUET HV 80 4 17	364
E-Mobility brushless solutions	366
TC4 40	367
TC4 100	368
TC4 130	369
TC4 150	370
TC4 180	371
iSV Series	372
iSV-B23090T-S21	373
iSV-B23130T-S21	375
iSV-B23180T-S21	377
iSV2-CAN Series	379
iSV2-CAN6020V24H	380
iSV2-CAN6020V24G	382
iSV2-CAN6020V48H	384
iSV2-CAN6020V48G	386
iSV2-CAN6040V48H	388
iSV2-CAN6040V48G	390
iSV2-CAN8075V48H	392
iSV2-CAN8075V48G	394
iSV2-RS Series	396
iSV2-RS6020V24H	397

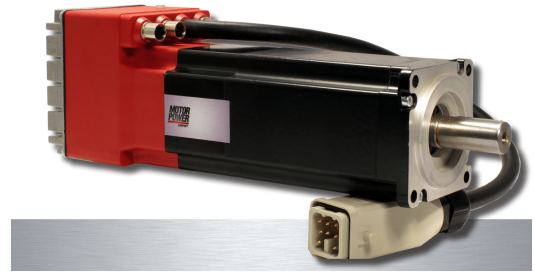
iSV2-RS6020V24G	398
iSV2-RS6020V48H	399
iSV2-RS6020V48G	400
iSV2-RS6040V48H	401
iSV2-RS6040V48G	402
iSV2-RS5740V48H	403
iSV2-RS8075V48G	404
iSV2-RS8075V48H	405
iSV2-RS8675V48H	406

DUET 60

Flange dimensions: 60 mm Rated Output Power: 190 - 370 W
Rated Torque: 0,6 - 1,17 Nm Rated Speed: 3000 rpm Fieldbus:
CanOpen



<https://www.kocomotion.de/produkt/duet-60/>



Produkte:

Seite

DUET 60 0,65 01

9

DUET 60 1,3 02

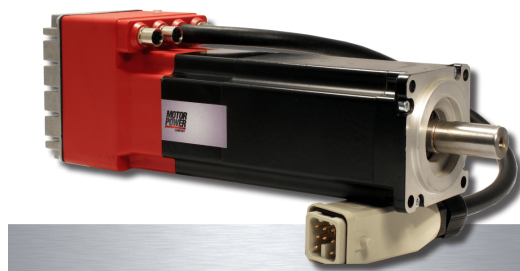
11

DUET 60 0,65 01

Flange dimensions: 60 mm Rated Output Power: 190 - 370 W
Rated Torque: 0,6 - 1,17 Nm Rated Speed: 3000 rpm Fieldbus:
CanOpen



<https://www.kocomotion.de/produkt/duet-60-065-01/>



Specification	
Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	9 Vdc
Maximum Voltage	60 Vdc
Stall Torque	0.57 Nm
Stall Torque Intermittent duty S2 10"/40"	-
Stall Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	-
Peak Torque	1.95 Nm
Rated Torque	0.6 Nm
Rated Torque Intermittent duty S2 10"/40"	-
Rated Output Power	190 W
Rated Output Power Intermittent duty S2 10"/40"	-
Stall Current	6 Arms
Stall Current Intermittent duty S2 10"/40"	-
Peak Current	20.7 Arms
Rated Current	6.5 Arms
Rated Current Intermittent duty S2 10"/40"	-
Rated Speed @48Vdc	3000 rpm
Maximum Speed @48Vdc	5000 rpm
Maximum Speed @24Vdc	2600 rpm
Torque Constant ($\pm 5\%$)	0.094 Nm/Arms
Voltage Constant ($\pm 5\%$)	5.7 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @ 25°C)	0.38 Ω

Specification	
Phase/phase inductance ($\pm 10\%$)	0.9 mH
Electrical time constant	2.4 ms
Thermal Resistance	1.9 °C/W
Mechanical time constant	0.83 ms
Rotor Inertia without brake and without feedback	0.13 kg·cm ²
Duet weight	1.2 Kg
Duet weight with brake	1.6 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Feedback

- E1 = 4096 cpr incremental encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C=CanOpen

Mechanical Arrangement

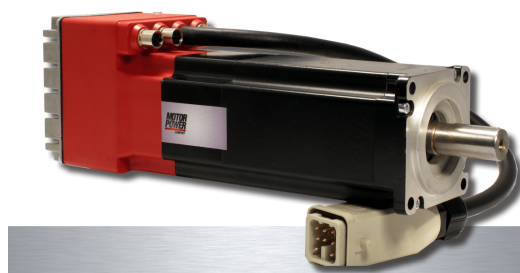
- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET 60 1,3 02

Flange dimensions: 60 mm Rated Output Power: 190 - 370 W
 Rated Torque: 0,6 - 1,17 Nm Rated Speed: 3000 rpm Fieldbus:
 CanOpen



<https://www.kocomotion.de/produkt/duet-60-13-02/>



Specification	
Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	9 Vdc
Maximum Voltage	60 Vdc
Stall Torque	0.68 Nm
Stall Torque Intermittent duty S2 10"/40"	1.31 Nm
Stall Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	-
Peak Torque	2.4 Nm
Rated Torque	0.66 Nm
Rated Torque Intermittent duty S2 10"/40"	1.17 Nm
Rated Output Power	210 W
Rated Output Power Intermittent duty S2 10"/40"	370 W
Stall Current	6.1 Arms
Stall Current Intermittent duty S2 10"/40"	11.7 Arms
Peak Current	21.2 Arms
Rated Current	6.1 Arms
Rated Current Intermittent duty S2 10"/40"	10.4 Arms
Rated Speed @48Vdc	3000 rpm
Maximum Speed @48Vdc	4500 rpm
Maximum Speed @24Vdc	2200 rpm
Torque Constant ($\pm 5\%$)	0.112 Nm/Arms
Voltage Constant ($\pm 5\%$)	6.8 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @ 25°C)	0.2 Ω

Specification	
Phase/phase inductance ($\pm 10\%$)	0.68 mH
Electrical time constant	3.4 ms
Thermal Resistance	1.4 °C/W
Mechanical time constant	0.57 ms
Rotor Inertia without brake and without feedback	0.24 kg·cm ²
Duet weight	1.6 Kg
Duet weight with brake	2 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Feedback

- E1 = 4096 cpr incremental encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C=CanOpen

Mechanical Arrangement

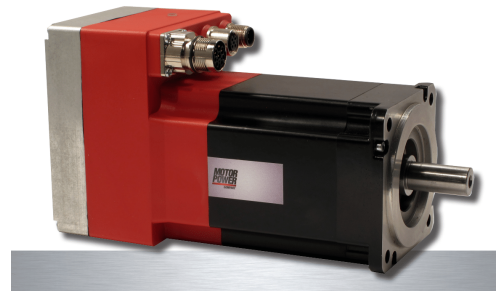
- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET FLEXI 60

Flange dimensions: 60 mm Rated Output Power: 200 - 310 W
Rated Torque: 0,64 - 1,18 Nm Rated Speed: 2500/3000 rpm
Fieldbus: CanOpen/Ethercat



<https://www.kocomotion.de/produkt/duet-flexi-60/>



Produkte:

Seite

DUET FLEXI 60 0,65 01

14

DUET FLEXI 60 1,3 01

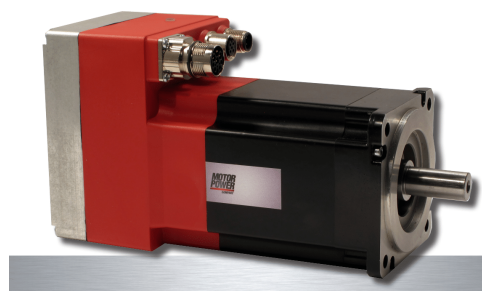
17

DUET FLEXI 60 0,65 01

Flange dimensions: 60 mm Rated Output Power: 200 - 310 W
 Rated Torque: 0,64 - 1,18 Nm Rated Speed: 2500/3000 rpm
 Fieldbus: CanOpen/Ethercat



<https://www.kocomotion.de/produkt/duet-flexi-60-065-01/>



Specification	
Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	24 Vdc
Maximum Voltage	60 Vdc
Stall Torque	0.65 Nm
Stall Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	-
Peak Torque	1.95 Nm
Rated Torque	0.64 Nm
Rated Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	0.64 Nm
Rated Output Power	200 W
Rated output power @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	-
Rated output Power @ 10 Arms	-
Stall Current	6.9 Arms
Stall current @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	-
Peak Current	20.7 Arms
Rated Current	7 Arms
Rated current @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	-
Rated Speed @48Vdc	3000 rpm

Specification	
Maximum Speed @48Vdc	5000 rpm
Maximum Speed @24Vdc	2600 rpm
Torque Constant ($\pm 5\%$)	0.094 Nm/Arms
Voltage Constant ($\pm 5\%$)	5.7 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	0.38 Ω
Phase/phase inductance ($\pm 10\%$)	0.9 mH
Electrical time constant	2.4 ms
Thermal Resistance	1.9 °C/W
Mechanical time constant	0.83 ms
Rotor Inertia without brake and without feedback	0.13 kg·cm ²
Duet weight	1.4 Kg
Duet weight with brake	1.8 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Feedback

- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C = CanOpen
- E = Ethercat

Mechanical Arrangement

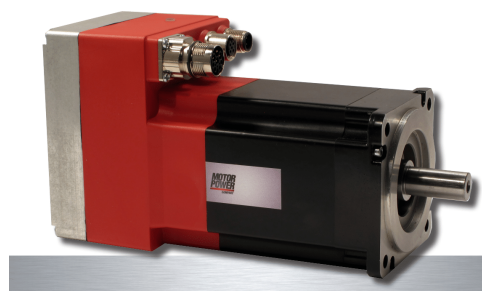
- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET FLEXI 60 1,3 01

Flange dimensions: 60 mm Rated Output Power: 200 - 310 W
 Rated Torque: 0,64 - 1,18 Nm Rated Speed: 2500/3000 rpm
 Fieldbus: CanOpen/Ethercat



<https://www.kocomotion.de/produkt/duet-flexi-60-13-01/>



Specification	
Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	24 Vdc
Maximum Voltage	60 Vdc
Stall Torque	-
Stall Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	1.3 Nm
Peak Torque	3.75 Nm
Rated Torque	-
Rated Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	1.18 Nm
Rated Output Power	-
Rated output power @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	310 W
Rated output Power @ 10 Arms	240 W
Stall Current	-
Stall current @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	13.9 Arms
Peak Current	39.8 Arms
Rated Current	-
Rated current @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	12.9 Arms
Rated Speed @48Vdc	2500 rpm

Specification	
Maximum Speed @48Vdc	5000 rpm
Maximum Speed @24Vdc	2600 rpm
Torque Constant ($\pm 5\%$)	0.094 Nm/Arms
Voltage Constant ($\pm 5\%$)	5.7 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	0.16 Ω
Phase/phase inductance ($\pm 10\%$)	0.48 mH
Electrical time constant	3 ms
Thermal Resistance	1.4 °C/W
Mechanical time constant	0.65 ms
Rotor Inertia without brake and without feedback	0.24 kg·cm ²
Duet weight	1.8 Kg
Duet weight with brake	2.2 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Feedback

- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C = CanOpen
- E = Ethercat

Mechanical Arrangement

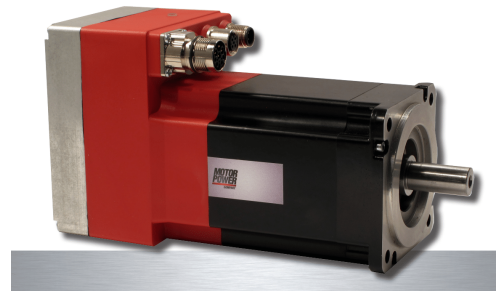
- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET FLEXI 80

Flange dimensions: 80 mm Rated Output Power: 390 - 520 W
Rated Torque: 1,5 - 2,0 Nm Rated Speed: 2500 rpm Fieldbus:
CanOpen/Ethercat



<https://www.kocomotion.de/produkt/duet-flexi-80/>



Produkte:

Seite

DUET FLEXI 80 1,5 03

21

DUET FLEXI 80 2 03

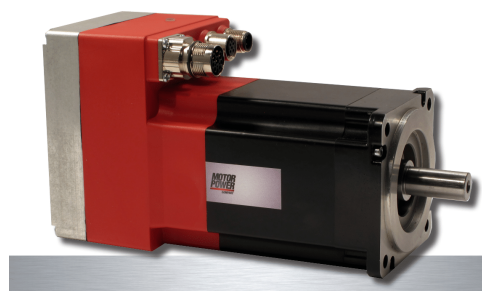
23

DUET FLEXI 80 1,5 03

Flange dimensions: 80 mm Rated Output Power: 390 - 520 W
 Rated Torque: 1,5 - 2,0 Nm Rated Speed: 2500 rpm Fieldbus:
 CanOpen/Ethercat



<https://www.kocomotion.de/produkt/duet-flexi-80-15-03/>



Specification	
Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	24 Vdc
Maximum Voltage	60 Vdc
Stall Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	1.5 Nm
Peak Torque	4.5 Nm
Rated Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	1.5 Nm
Rated output power @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	390 W
Rated output Power @ 10 Arms	360 W
Stall current @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	10.7 Arms
Peak Current	32 Arms
Rated current @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	11 Arms
Rated Speed @48Vdc	2500 rpm
Maximum Speed @48Vdc	3600 rpm
Maximum Speed @24Vdc	1800 rpm
Torque Constant ($\pm 5\%$)	0.141 Nm/Arms
Voltage Constant ($\pm 5\%$)	8.5 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @ 25°C)	0.14 Ω

Specification	
Phase/phase inductance ($\pm 10\%$)	0.53 mH
Electrical time constant	3.9 ms
Thermal Resistance	1.7 °C/W
Mechanical time constant	0.66 ms
Rotor Inertia without brake and without feedback	0.64 kg·cm ²
Duet weight	2.4 Kg
Duet weight with brake	3.1 Kg
Axial Load applied on the shaft's center	110 N
Radial Load applied on the shaft's center	350 N

Optionen

Feedback

- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C = CanOpen
- E = Ethercat

Mechanical Arrangement

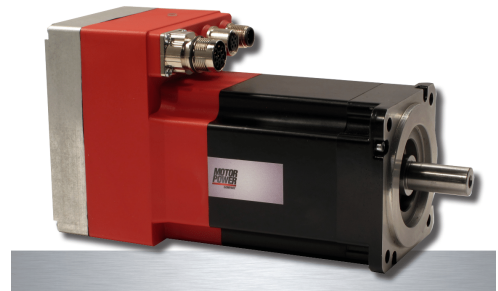
- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET FLEXI 80 2 03

Flange dimensions: 80 mm Rated Output Power: 390 - 520 W
 Rated Torque: 1,5 - 2,0 Nm Rated Speed: 2500 rpm Fieldbus:
 CanOpen/Ethercat



<https://www.kocomotion.de/produkt/duet-flexi-80-2-03/>



Specification

Rated Voltage	48 Vdc
---------------	--------

Auxiliary Voltage (+6% -10%)	24 Vdc
------------------------------	--------

Minimum Voltage	24 Vdc
-----------------	--------

Maximum Voltage	60 Vdc
-----------------	--------

Stall Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	2 Nm
---	------

Peak Torque	5.6 Nm
-------------	--------

Rated Torque @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	2 Nm
---	------

Rated output power @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	520 W
---	-------

Rated output Power @ 10 Arms	360 W
------------------------------	-------

Stall current @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	14.2 Arms
--	-----------

Peak Current	39.8 Arms
--------------	-----------

Rated current @power stage temperature $\leq 50^{\circ}\text{C}$ (rated current limited to 10 Arms @ power stage temperature $> 50^{\circ}\text{C}$ 70°C)	14.7 Arms
--	-----------

Rated Speed @48Vdc	2500 rpm
--------------------	----------

Maximum Speed @48Vdc	3600 rpm
----------------------	----------

Maximum Speed @24Vdc	1800 rpm
----------------------	----------

Torque Constant ($\pm 5\%$)	0.141 Nm/Arms
-------------------------------	---------------

Voltage Constant ($\pm 5\%$)	8.5 Vrms/Krpm
--------------------------------	---------------

Phase/phase resistance ($\pm 10\%$ @ 25°C)	0.12 Ω
--	---------------

Specification	
Phase/phase inductance ($\pm 10\%$)	0.31 mH
Electrical time constant	2.6 ms
Thermal Resistance	1.3 °C/W
Mechanical time constant	1.06 ms
Rotor Inertia without brake and without feedback	1.16 kg·cm ²
Duet weight	3.2 Kg
Duet weight with brake	3.9 Kg
Axial Load applied on the shaft's center	110 N
Radial Load applied on the shaft's center	350 N

Optionen

Feedback

- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C = CanOpen
- E = Ethercat

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET HV 100

Flange dimensions: 100 mm Rated Output Power: 1320 - 1570 W Rated Torque: 1,18 Nm Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-100/>



Produkte:

Seite

DUET HV 100 5,6

26

DUET HV 100 8

28

DUET HV 100 5,6

Flange dimensions: 100 mm Rated Output Power: 1320 - 1570 W Rated Torque: 1,18 Nm Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-100-56/>



Specification	
Rated Voltage	560 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	275 Vdc
Maximum Voltage	740 Vdc
Stall Torque	5.6 Nm
Peak Torque	22 Nm
Rated Torque	4.2 Nm
Rated Output Power	1320 W
Stall Current	3.5 Arms
Peak Current	13.8 Arms
Rated Current	2.71 Arms
Rated Speed @560Vdc	3000 rpm
Maximum Speed @560Vdc	4000 rpm
Torque Constant ($\pm 5\%$)	1.6 Nm/Arms
Voltage Constant ($\pm 5\%$)	97 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	3.64 Ω
Phase/phase inductance ($\pm 10\%$)	19.7 mH
Electrical time constant	5.4 ms
Thermal Resistance	0.95 °C/W
Mechanical time constant	0.62 ms
Rotor Inertia without brake and without feedback	2.91 kg·cm ²
Duet weight	6.7 Kg
Duet weight with brake	7.9 Kg
Axial Load applied on the shaft's center	225 N

Specification

Radial Load applied on the shaft's center	626 N
---	-------

Optionen

Feedback

- A1 = Absolute MultiturnEncoder 12+12 Bits 128

Sin/Cos revolution

- A3 = Absolute MultiturnEncoder 9+12 Bits 16

Sin/Cos revolution

- A5 = Absolute SingleturnEncoder 9 Bits 16 Sin/Cos revolution

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- Ethercat

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET HV 100 8

Flange dimensions: 100 mm Rated Output Power: 1320 - 1570 W Rated Torque: 1,18 Nm Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-100-8/>



Specification	
Rated Voltage	560 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	275 Vdc
Maximum Voltage	740 Vdc
Stall Torque	8 Nm
Peak Torque	22 Nm
Rated Torque	5 Nm
Rated Output Power	1570 W
Stall Current	5 Arms
Peak Current	13.8 Arms
Rated Current	3.22 Arms
Rated Speed @560Vdc	3000 rpm
Maximum Speed @560Vdc	4000 rpm
Torque Constant ($\pm 5\%$)	1.6 Nm/Arms
Voltage Constant ($\pm 5\%$)	97 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	2.2 Ω
Phase/phase inductance ($\pm 10\%$)	13.13 mH
Electrical time constant	6 ms
Thermal Resistance	0.78 °C/W
Mechanical time constant	0.53 ms
Rotor Inertia without brake and without feedback	4.1 kg·cm ²
Duet weight	8.4 Kg
Duet weight with brake	9.6 Kg
Axial Load applied on the shaft's center	225 N

Specification

Radial Load applied on the shaft's center	626 N
---	-------

Optionen

Feedback

- A1 = Absolute MultiturnEncoder 12+12 Bits 128

Sin/Cos revolution

- A3 = Absolute MultiturnEncoder 9+12 Bits 16

Sin/Cos revolution

- A5 = Absolute SingleturnEncoder 9 Bits 16 Sin/Cos revolution

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- Ethercat

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET HV 142

Flange dimensions: 142 mm Rated Output Power: 3500 W Rated Torque: 11,1 Nm Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-142/>



Produkte:

Seite

DUET HV 142 16,5 17

31

DUET HV 142 16,5 17

Flange dimensions: 142 mm Rated Output Power: 3500 W Rated Torque: 11,1 Nm Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-142-165-17/>



Specification	
Rated Voltage	560 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	275 Vdc
Maximum Voltage	740 Vdc
Stall Torque	14 Nm
Peak Torque	42 Nm
Rated Torque	11.1 Nm
Rated Output Power	3500 W
Stall Current	8.7 Arms
Peak Current	26.6 Arms
Rated Current	7.3 Arms
Rated Speed @560Vdc	3000 rpm
Maximum Speed @560Vdc	3500 rpm
Torque Constant ($\pm 5\%$)	1.6 Nm/Arms
Voltage Constant ($\pm 5\%$)	97 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	1.3 Ω
Phase/phase inductance ($\pm 10\%$)	1.3 mH
Electrical time constant	5.2 ms
Thermal Resistance	0.45 °C/W
Mechanical time constant	2.1 ms
Rotor Inertia without brake and without feedback	27 kg-cm ²
Duet weight	19.5 Kg
Duet weight with brake	21.3 Kg
Axial Load applied on the shaft's center	240 N

Specification

Radial Load applied on the shaft's center	800 N
---	-------

Optionen

Feedback

- A1 = Absolute MultiturnEncoder 12+12 Bits 128

Sin/Cos revolution

- A3 = Absolute MultiturnEncoder 9+12 Bits 16

Sin/Cos revolution

- A5 = Absolute SingleturnEncoder 9 Bits 16 Sin/Cos revolution

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- Ethercat

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET HV 60

Flange dimensions: 60 mm Rated Output Power: 370 W Rated Torque: 1,18 Nm
Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-60/>



Produkte:

Seite

DUET HV 60 1,3 15

34

DUET HV 60 1,3 15

Flange dimensions: 60 mm Rated Output Power: 370 W Rated Torque: 1,18 Nm
Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-60-13-15/>



Specification	
Rated Voltage	560 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	275 Vdc
Maximum Voltage	740 Vdc
Stall Torque	1.31 Nm
Peak Torque	3.9 Nm
Rated Torque	1.18 Nm
Rated Output Power	370 W
Stall Current	1.44 Arms
Peak Current	4.29 Arms
Rated Current	1.33 Arms
Rated Speed @560Vdc	3000 rpm
Maximum Speed @560Vdc	5000 rpm
Torque Constant ($\pm 5\%$)	0.91 Nm/Arms
Voltage Constant ($\pm 5\%$)	55 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	14.4 Ω
Phase/phase inductance ($\pm 10\%$)	41.8 mH
Electrical time constant	2.9 ms
Thermal Resistance	1.41 °C/W
Mechanical time constant	0.63 ms
Rotor Inertia without brake and without feedback	0.24 kg·cm ²
Duet weight	1.9 Kg
Duet weight with brake	2.33 Kg
Axial Load applied on the shaft's center	70 N

Specification

Radial Load applied on the shaft's center	220 N
---	-------

Optionen

Feedback

- A1 = Absolute MultiturnEncoder 12+12 Bits 128

Sin/Cos revolution

- A3 = Absolute MultiturnEncoder 9+12 Bits 16

Sin/Cos revolution

- A5 = Absolute SingleturnEncoder 9 Bits 16 Sin/Cos revolution

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- Ethercat

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

TC 40

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated
Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-40/>



Produkte:

Seite

TC 40 0,16 32	37
TC 40 0,16 01	39
TC 40 0,32 01	41
TC 40 0,32 21	43

TC 40 0,16 32

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-40-016-32/>



Specification	
Continuous Stall Torque	0.21 Nm
Peak Torque	0.48 Nm
Nominal Torque	0.19 Nm
Rated Voltage	24 V
Nominal power	60 W
Continuous stall Current	4.23 Arms
Maximum Current	9.67 Arms
Nominal Current	3.96 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	5000 rpm
Maximum working speed 48VDC	-
Maximum working speed 230VAC	-
Torque Constant	0.05 Nm/Arms
Voltage Constant	3 Vrms/Krpm
Winding resistance	1 Ω
Winding inductance	0.7 mH
Electrical time constant	0.7 ms
Thermal Resistance	2.38 °C/W
Mechanical time constant	1.62 ms
Rotor Inertia without brake and without feedback	0.027 kg·cm ²
Mass without holding brake	0.4 Kg
Mass with holding brake	0.54 Kg
Mass without holding brake with absolute encoder	0.41 Kg
Mass with holding brake with absolute encoder	0.61 Kg

Specification	
Maximum axial shaft load applied on the shaft's center	30 N
Maximum radial shaft load applied on the shaft's center	180 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000 ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection, specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 40 0,16 01

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-40-016-01/>



Specification	
Continuous Stall Torque	0.21 Nm
Peak Torque	0.48 Nm
Nominal Torque	0.19 Nm
Rated Voltage	48 V
Nominal power	60 W
Continuous stall Current	2.23 Arms
Maximum Current	5.09 Arms
Nominal Current	2.09 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 48VDC	5000 rpm
Maximum working speed 230VAC	-
Torque Constant	0.094 Nm/Arms
Voltage Constant	5.7 Vrms/Krpm
Winding resistance	3.2 Ω
Winding inductance	2.5 mH
Electrical time constant	0.78 ms
Thermal Resistance	2.38 $^{\circ}\text{C/W}$
Mechanical time constant	1.47 ms
Rotor Inertia without brake and without feedback	0.027 kg-cm ²
Mass without holding brake	0.4 Kg
Mass with holding brake	0.54 Kg
Mass without holding brake with absolute encoder	0.41 Kg
Mass with holding brake with absolute encoder	0.61 Kg

Specification	
Maximum axial shaft load applied on the shaft's center	30 N
Maximum radial shaft load applied on the shaft's center	180 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000 ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection, specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 40 0,32 01

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-40-032-01/>



Specification	
Continuous Stall Torque	0.34 Nm
Peak Torque	0.96 Nm
Nominal Torque	0.32 Nm
Rated Voltage	48 V
Nominal power	100 W
Continuous stall Current	3.61 Arms
Maximum Current	10.18 Arms
Nominal Current	3.48 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 48VDC	5000 rpm
Maximum working speed 230VAC	-
Torque Constant	0.094 Nm/Arms
Voltage Constant	5.7 Vrms/Krpm
Winding resistance	1.1 Ω
Winding inductance	1.42 mH
Electrical time constant	1.29 ms
Thermal Resistance	2.3 °C/W
Mechanical time constant	0.88 ms
Rotor Inertia without brake and without feedback	0.047 kg·cm ²
Mass without holding brake	0.54 Kg
Mass with holding brake	0.68 Kg
Mass without holding brake with absolute encoder	0.55 Kg
Mass with holding brake with absolute encoder	0.75 Kg

Specification	
Maximum axial shaft load applied on the shaft's center	30 N
Maximum radial shaft load applied on the shaft's center	180 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000 ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection, specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 40 0,32 21

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-40-032-21/>



Specification	
Continuous Stall Torque	0.34 Nm
Peak Torque	0.96 Nm
Nominal Torque	0.32 Nm
Rated Voltage	230 V
Nominal power	100 W
Continuous stall Current	0.65 Arms
Maximum Current	1.82 Arms
Nominal Current	0.62 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 48VDC	-
Maximum working speed 230VAC	5000 rpm
Torque Constant	0.526 Nm/Arms
Voltage Constant	31.8 Vrms/Krpm
Winding resistance	36.2 Ω
Winding inductance	44 mH
Electrical time constant	1.21 ms
Thermal Resistance	2.3 °C/W
Mechanical time constant	0.92 ms
Rotor Inertia without brake and without feedback	0.047 kg·cm ²
Mass without holding brake	0.54 Kg
Mass with holding brake	0.68 Kg
Mass without holding brake with absolute encoder	0.55 Kg
Mass with holding brake with absolute encoder	0.75 Kg

Specification	
Maximum axial shaft load applied on the shaft's center	30 N
Maximum radial shaft load applied on the shaft's center	180 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000 ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection, specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 60

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated
Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-60/>



Produkte:

Seite

TC 60 0,65 21

46

TC 60 1,3 21

48

TC 60 1,3 15

50

TC 60 0,65 21

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-60-065-21/>



Specification	
Continuous Stall Torque	0.69 Nm
Peak Torque	1.95 Nm
Nominal Torque	0.64 Nm
Rated Voltage	230 V
Nominal power	200 W
Continuous stall Current	1.31 Arms
Maximum Current	3.71 Arms
Nominal Current	1.25 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 230VAC	5000 rpm
Maximum working speed 400VAC	-
Torque Constant	0.526 Nm/Arms
Voltage Constant	31.8 Vrms/Krpm
Winding resistance	12.9 Ω
Winding inductance	26.5 mH
Electrical time constant	2.05 ms
Thermal Resistance	1.89 °C/W
Mechanical time constant	0.91 ms
Rotor Inertia without brake and without feedback	0.13 kg·cm ²
Mass without holding brake	1.1 Kg
Mass with holding brake	1.5 Kg
Maximum axial shaft load applied on the shaft's center	70 N
Maximum radial shaft load applied on the shaft's center	220 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2 poles
- A1 = Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 60 1,3 21

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-60-13-21/>



Specification	
Continuous Stall Torque	1.31 Nm
Peak Torque	3.9 Nm
Nominal Torque	1.18 Nm
Rated Voltage	230 V
Nominal power	370 W
Continuous stall Current	2.49 Arms
Maximum Current	7.41 Arms
Nominal Current	2.31 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 230VAC	5000 rpm
Maximum working speed 400VAC	-
Torque Constant	0.526 Nm/Arms
Voltage Constant	31.8 Vrms/Krpm
Winding resistance	4.2 Ω
Winding inductance	14.9 mH
Electrical time constant	3.55 ms
Thermal Resistance	1.41 °C/W
Mechanical time constant	0.55 ms
Rotor Inertia without brake and without feedback	0.24 kg·cm ²
Mass without holding brake	1.5 Kg
Mass with holding brake	1.9 Kg
Maximum axial shaft load applied on the shaft's center	70 N
Maximum radial shaft load applied on the shaft's center	220 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2 poles
- A1 = Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 60 1,3 15

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-60-13-15/>



Specification	
Continuous Stall Torque	1.31 Nm
Peak Torque	3.9 Nm
Nominal Torque	1.18 Nm
Rated Voltage	230 V
Nominal power	370 W
Continuous stall Current	1.44 Arms
Maximum Current	4.29 Arms
Nominal Current	1.33 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	5000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	14.4 Ω
Winding inductance	41.8 mH
Electrical time constant	2.9 ms
Thermal Resistance	1.41 °C/W
Mechanical time constant	0.63 ms
Rotor Inertia without brake and without feedback	0.24 kg·cm ²
Mass without holding brake	1.5 Kg
Mass with holding brake	1.9 Kg
Maximum axial shaft load applied on the shaft's center	70 N
Maximum radial shaft load applied on the shaft's center	220 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2 poles
- A1 = Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 80

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-80/>



Produkte:	Seite
TC 80 1,5 21	53
TC 80 1,5 15	55
TC 80 2,8 21	57
TC 80 2,8 15	59
TC 80 4 15	61
TC 80 4 17	63

TC 80 1,5 21

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-80-15-21/>



Specification	
Continuous Stall Torque	1.74 Nm
Peak Torque	4.5 Nm
Nominal Torque	1.53 Nm
Rated Voltage	230 V
Nominal power	480 W
Continuous stall Current	3.31 Arms
Maximum Current	8.55 Arms
Nominal Current	2.99 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	5000 rpm
Maximum working speed 400VAC	-
Torque Constant	0.526 Nm/Arms
Voltage Constant	31.8 Vrms/Krpm
Winding resistance	2.3 Ω
Winding inductance	7.4 mH
Electrical time constant	3.2 ms
Thermal Resistance	1.67 °C/W
Mechanical time constant	0.8 ms
Rotor Inertia without brake and without feedback	0.64 kg·cm ²
Mass without holding brake	2.25 Kg
Mass with holding brake	2.97 Kg
Maximum axial shaft load applied on the shaft's center	110 N
Maximum radial shaft load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 80 1,5 15

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-80-15-15/>



Specification	
Continuous Stall Torque	1.74 Nm
Peak Torque	4.5 Nm
Nominal Torque	1.53 Nm
Rated Voltage	400 V
Nominal power	480 W
Continuous stall Current	1.91 Arms
Maximum Current	4.95 Arms
Nominal Current	1.73 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	6.5 Ω
Winding inductance	22.2 mH
Electrical time constant	3.4 ms
Thermal Resistance	1.67 °C/W
Mechanical time constant	0.75 ms
Rotor Inertia without brake and without feedback	0.64 kg·cm ²
Mass without holding brake	2.25 Kg
Mass with holding brake	2.97 Kg
Maximum axial shaft load applied on the shaft's center	110 N
Maximum radial shaft load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 80 2,8 21

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-80-28-21/>



Specification	
Continuous Stall Torque	2.96 Nm
Peak Torque	8.4 Nm
Nominal Torque	2.55 Nm
Rated Voltage	230 V
Nominal power	800 W
Continuous stall Current	5.63 Arms
Maximum Current	15.97 Arms
Nominal Current	4.99 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	5000 rpm
Maximum working speed 400VAC	-
Torque Constant	0.526 Nm/Arms
Voltage Constant	31.8 Vrms/Krpm
Winding resistance	0.99 Ω
Winding inductance	4.4 mH
Electrical time constant	4.4 ms
Thermal Resistance	1.32 °C/W
Mechanical time constant	0.62 ms
Rotor Inertia without brake and without feedback	1.16 kg·cm ²
Mass without holding brake	3.05 Kg
Mass with holding brake	3.77 Kg
Maximum axial shaft load applied on the shaft's center	110 N
Maximum radial shaft load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 80 2,8 15

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-80-28-15/>



Specification	
Continuous Stall Torque	2.96 Nm
Peak Torque	8.4 Nm
Nominal Torque	2.55 Nm
Rated Voltage	400 V
Nominal power	800 W
Continuous stall Current	3.25 Arms
Maximum Current	9.23 Arms
Nominal Current	2.88 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	3 Ω
Winding inductance	13.2 mH
Electrical time constant	4.4 ms
Thermal Resistance	1.32 °C/W
Mechanical time constant	0.63 ms
Rotor Inertia without brake and without feedback	1.16 kg·cm²
Mass without holding brake	3.05 Kg
Mass with holding brake	3.77 Kg
Maximum axial shaft load applied on the shaft's center	110 N
Maximum radial shaft load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 80 4 15

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-80-4-15/>



Specification	
Continuous Stall Torque	4 Nm
Peak Torque	12 Nm
Nominal Torque	3.4 Nm
Rated Voltage	230 V
Nominal power	1068 W
Continuous stall Current	4.4 Arms
Maximun Current	13.19 Arms
Nominal Current	3.85 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	1.9 Ω
Winding inductance	8.9 mH
Electrical time constant	4.7 ms
Thermal Resistance	1 °C/W
Mechanical time constant	0.54 ms
Rotor Inertia without brake and without feedback	1.58 kg·cm ²
Mass without holding brake	4.1 Kg
Mass with holding brake	4.82 Kg
Maximum axial shaft load applied on the shaft's center	110 N
Maximun radial shaft load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 80 4 17

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-80-4-17/>



Specification	
Continuous Stall Torque	4 Nm
Peak Torque	12 Nm
Nominal Torque	3.4 Nm
Rated Voltage	400 V
Nominal power	1068 W
Continuous stall Current	2.5 Arms
Maximum Current	7.5 Arms
Nominal Current	2.19 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	-
Maximum working speed 400VAC	5000
Torque Constant	1.6 Nm/Arms
Voltage Constant	96 Vrms/Krpm
Winding resistance	6.5 Ω
Winding inductance	28.6 mH
Electrical time constant	4.4 ms
Thermal Resistance	1 °C/W
Mechanical time constant	0.6 ms
Rotor Inertia without brake and without feedback	1.58 kg·cm ²
Mass without holding brake	4.1 Kg
Mass with holding brake	4.82 Kg
Maximum axial shaft load applied on the shaft's center	110 N
Maximum radial shaft load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 100

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W Rated
Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-100/>



Produkte:

Seite

TC 100 3,2 21	66
TC 100 3,2 15	68
TC 100 5,6 15	70
TC 100 8 15	72

TC 100 3,2 21

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W
Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-100-32-21/>



Specification	
Continuous Stall Torque	3.2 Nm
Peak Torque	11 Nm
Nominal Torque	2.61 Nm
Rated Voltage	230 V
Nominal power	820 W
Continuous stall Current	6.08 Arms
Maximum Current	20.91 Arms
Nominal Current	5.11 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	5000 rpm
Maximum working speed 400VAC	-
Torque Constant	0.526 Nm/Arms
Voltage Constant	31.8 Vrms/Krpm
Winding resistance	1.1 Ω
Winding inductance	4.44 mH
Electrical time constant	4.03 ms
Thermal Resistance	1 °C/W
Mechanical time constant	0.92 ms
Rotor Inertia without brake and without feedback	1.55 kg·cm ²
Mass without holding brake	3.9 Kg
Mass with holding brake	5.2 Kg
Maximum axial shaft load applied on the shaft's center	225 N
Maximum radial shaft load applied on the shaft's center	626 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 100 3,2 15

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W
Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-100-32-15/>



Specification	
Continuous Stall Torque	3.2 Nm
Peak Torque	11 Nm
Nominal Torque	2.61 Nm
Rated Voltage	400 V
Nominal power	820 W
Continuous stall Current	3.52 Arms
Maximum Current	12.09 Arms
Nominal Current	2.96 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	2.9 Ω
Winding inductance	13.28 mH
Electrical time constant	4.58 ms
Thermal Resistance	1 °C/W
Mechanical time constant	0.81 ms
Rotor Inertia without brake and without feedback	1.55 kg·cm²
Mass without holding brake	3.9 Kg
Mass with holding brake	5.2 Kg
Maximum axial shaft load applied on the shaft's center	225 N
Maximum radial shaft load applied on the shaft's center	626 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 100 5,6 15

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W
Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-100-56-15/>



Specification	
Continuous Stall Torque	5.6 Nm
Peak Torque	22 Nm
Nominal Torque	4.2 Nm
Rated Voltage	400 V
Nominal power	1320 W
Continuous stall Current	6.15 Arms
Maximum Current	24.18 Arms
Nominal Current	4.76 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	1.17 Ω
Winding inductance	6.33 mH
Electrical time constant	5.41 ms
Thermal Resistance	0.95 °C/W
Mechanical time constant	0.62 ms
Rotor Inertia without brake and without feedback	2.91 kg·cm ²
Mass without holding brake	5.6 Kg
Mass with holding brake	6.9 Kg
Maximum axial shaft load applied on the shaft's center	225 N
Maximum radial shaft load applied on the shaft's center	626 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 100 8 15

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W
Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-100-8-15/>



Specification	
Continuous Stall Torque	8 Nm
Peak Torque	33 Nm
Nominal Torque	5 Nm
Rated Voltage	400 V
Nominal power	1570 W
Continuous stall Current	8.79 Arms
Maximum Current	36.27 Arms
Nominal Current	5.66 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	0.69 Ω
Winding inductance	4.22 mH
Electrical time constant	6.12 ms
Thermal Resistance	0.78 °C/W
Mechanical time constant	0.51 ms
Rotor Inertia without brake and without feedback	4.1 kg·cm ²
Mass without holding brake	7.3 Kg
Mass with holding brake	8.6 Kg
Maximum axial shaft load applied on the shaft's center	225 N
Maximum radial shaft load applied on the shaft's center	626 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 115

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-115/>



Produkte:	Seite
T 115 3 21	75
T 115 3 15	78
T 115 5,2 14	81
T 115 5,2 15	84
T 115 7 15	87
T 115 7 17	90
T 115 9,2 15	93
T 115 9,2 17	96
T 115 11 15	99
T 115 11 17	102

T 115 3 21

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-3-21/>



Specification	
Continuous Stall Torque	3 Nm
Peak Torque	9 Nm
Nominal Torque	2.7 Nm
Rated Voltage	230 V
Nominal power	840 W
Continuous stall Current	5.7 Arms
Maximum Current	17.1 Arms
Nominal Current	5.3 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	5000 rpm
Maximum working speed 230VAC	-
Maximum working speed 400VAC	-
Torque Constant	0.53 Nm/Arms
Voltage Constant	31.8 Vrms/Krpm
Winding resistance	1.3 Ω
Winding inductance	3 mH
Electrical time constant	2.3 ms
Thermal Resistance	1.08 °C/W
Mechanical timeconstant high rotor inertia	5.1 ms
Mechanical time constant low rotor inertia	5.3 ms
High rotor inertia (as an option) without brake and without feedback	7.3 kg·cm²
Low rotor inertia (as an option) without brake and without feedback	4.7 kg·cm²
Low rotor inertia (standard) without brake and without feedback	-

Specification	
Mass without holding brake	4.7 Kg
Mass with holding brake	5.9 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximum radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 3 15

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-3-15/>



Specification	
Continuous Stall Torque	3 Nm
Peak Torque	9 Nm
Nominal Torque	2.7 Nm
Rated Voltage	400 V
Nominal power	840 W
Continuous stall Current	3.3 Arms
Maximum Current	9.9 Arms
Nominal Current	3.1 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	3900 rpm
Maximum working speed 230VAC	-
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	4 Ω
Winding inductance	9 mH
Electrical time constant	2.3 ms
Thermal Resistance	1.05 °C/W
Mechanical timeconstant high rotor inertia	5.3 ms
Mechanical time constant low rotor inertia	3.4 ms
High rotor inertia (as an option) without brake and without feedback	7.3 kg·cm²
Low rotor inertia (as an option) without brake and without feedback	4.7 kg·cm²
Low rotor inertia (standard) without brake and without feedback	-

Specification	
Mass without holding brake	4.7 Kg
Mass with holding brake	5.9 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximum radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 5,2 14

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-52-14/>



Specification	
Continuous Stall Torque	5 Nm
Peak Torque	15.6 Nm
Nominal Torque	4.1 Nm
Rated Voltage	230 V
Nominal power	1300 W
Continuous stall Current	8.4 Arms
Maximum Current	26.2 Arms
Nominal Current	7.3 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	5000 rpm
Maximum working speed 230VAC	-
Maximum working speed 400VAC	-
Torque Constant	0.6 Nm/Arms
Voltage Constant	36 Vrms/Krpm
Winding resistance	0.9 Ω
Winding inductance	2.4 mH
Electrical time constant	2.7 ms
Thermal Resistance	0.72 $^{\circ}\text{C}/\text{W}$
Mechanical timeconstant high rotor inertia	4 ms
Mechanical time constant low rotor inertia	2.6 ms
High rotor inertia (as an option) without brake and without feedback	10.6 kg·cm ²
Low rotor inertia (as an option) without brake and without feedback	6.8 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	-

Specification	
Mass without holding brake	6.2 Kg
Mass with holding brake	7.4 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximun radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 5,2 15

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-52-15/>



Specification	
Continuous Stall Torque	5 Nm
Peak Torque	15.6 Nm
Nominal Torque	4.1 Nm
Rated Voltage	400 V
Nominal power	1300 W
Continuous stall Current	5.5 Arms
Maximum Current	17.1 Arms
Nominal Current	4.8 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	3900 rpm
Maximum working speed 230VAC	-
Maximum working speed 400VAC	5000
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	2.1 Ω
Winding inductance	6.1 mH
Electrical time constant	2.9 ms
Thermal Resistance	0.72 °C/W
Mechanical timeconstant high rotor inertia	4 ms
Mechanical time constant low rotor inertia	2.6 ms
High rotor inertia (as an option) without brake and without feedback	10.6 kg·cm ²
Low rotor inertia (as an option) without brake and without feedback	6.8 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	-

Specification	
Mass without holding brake	6.2 Kg
Mass with holding brake	7.4 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximun radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 7 15

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-7-15/>



Specification	
Continuous Stall Torque	6.5 Nm
Peak Torque	21 Nm
Nominal Torque	5.3 Nm
Rated Voltage	230 V
Nominal power	1650 W
Continuous stall Current	7.1 Arms
Maximum Current	23.1 Arms
Nominal Current	6.1 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	3900 rpm
Maximum working speed 230VAC	-
Maximum working speed 400VAC	4500
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	1.2 Ω
Winding inductance	4.1 mH
Electrical time constant	3.4 ms
Thermal Resistance	0.74 °C/W
Mechanical timeconstant high rotor inertia	3.1 ms
Mechanical time constant low rotor inertia	1.9 ms
High rotor inertia (as an option) without brake and without feedback	14.1 kg·cm²
Low rotor inertia (as an option) without brake and without feedback	8.8 kg·cm²
Low rotor inertia (standard) without brake and without feedback	-

Specification	
Mass without holding brake	7.5 Kg
Mass with holding brake	8.7 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximum radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 7 17

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-7-17/>



Specification	
Continuous Stall Torque	6.5 Nm
Peak Torque	21 Nm
Nominal Torque	5.3 Nm
Rated Voltage	400 V
Nominal power	1650 W
Continuous stall Current	4.1 Arms
Maximum Current	13.1 Arms
Nominal Current	3.4 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	2200 rpm
Maximum working speed 230VAC	-
Maximum working speed 400VAC	3900
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	3.7 Ω
Winding inductance	12 mH
Electrical time constant	3.2 ms
Thermal Resistance	0.75 °C/W
Mechanical timeconstant high rotor inertia	3 ms
Mechanical time constant low rotor inertia	1.9 ms
High rotor inertia (as an option) without brake and without feedback	14.1 kg·cm²
Low rotor inertia (as an option) without brake and without feedback	8.8 kg·cm²
Low rotor inertia (standard) without brake and without feedback	-

Specification	
Mass without holding brake	7.5 Kg
Mass with holding brake	8.7 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximum radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 9,2 15

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-92-15/>



Specification	
Continuous Stall Torque	8.5 Nm
Peak Torque	27.6 Nm
Nominal Torque	6.4 Nm
Rated Voltage	230 V
Nominal power	2000 W
Continuous stall Current	9.3 Arms
Maximum Current	30.3 Arms
Nominal Current	7.3 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	4500
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	0.9 Ω
Winding inductance	3.1 mH
Electrical time constant	3.4 ms
Thermal Resistance	0.58 $^{\circ}\text{C}/\text{W}$
Mechanical timeconstant high rotor inertia	2.9 ms
Mechanical time constant low rotor inertia	1.8 ms
High rotor inertia (as an option) without brake and without feedback	17.5 kg-cm ²
Low rotor inertia (as an option) without brake and without feedback	-
Low rotor inertia (standard) without brake and without feedback	10.9 kg-cm ²

Specification	
Mass without holding brake	8.8 Kg
Mass with holding brake	9.9 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximum radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 9,2 17

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-92-17/>



Specification	
Continuous Stall Torque	8.5 Nm
Peak Torque	27.6 Nm
Nominal Torque	6.4 Nm
Rated Voltage	400 V
Nominal power	2000 W
Continuous stall Current	5.3 Arms
Maximum Current	17.2 Arms
Nominal Current	4.2 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3900
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	2.8 Ω
Winding inductance	10 mH
Electrical time constant	3.6 ms
Thermal Resistance	0.58 °C/W
Mechanical timeconstant high rotor inertia	2.9 ms
Mechanical time constant low rotor inertia	1.8 ms
High rotor inertia (as an option) without brake and without feedback	17.5 kg·cm ²
Low rotor inertia (as an option) without brake and without feedback	-
Low rotor inertia (standard) without brake and without feedback	10.9 kg·cm ²

Specification	
Mass without holding brake	8.8 Kg
Mass with holding brake	9.9 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximun radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 11 15

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-11-15/>



Specification	
Continuous Stall Torque	9.5 Nm
Peak Torque	33 Nm
Nominal Torque	7.3 Nm
Rated Voltage	230 V
Nominal power	2300 W
Continuous stall Current	10.4 Arms
Maximum Current	36.3 Arms
Nominal Current	8.5 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	4500
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	0.9 Ω
Winding inductance	2.9 mH
Electrical time constant	3.2 ms
Thermal Resistance	0.45 °C/W
Mechanical timeconstant high rotor inertia	3.5 ms
Mechanical time constant low rotor inertia	2.2 ms
High rotor inertia (as an option) without brake and without feedback	20.8 kg·cm ²
Low rotor inertia (as an option) without brake and without feedback	-
Low rotor inertia (standard) without brake and without feedback	13 kg·cm ²

Specification	
Mass without holding brake	9.9 Kg
Mass with holding brake	11.7 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximum radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 115 11 17

Flange dimensions: 115 mm Rated Output Power: 840 - 2300 W
Rated Torque: 2,7 - 7,3 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-115-11-17/>



Specification	
Continuous Stall Torque	9.5 Nm
Peak Torque	33 Nm
Nominal Torque	7.3 Nm
Rated Voltage	400 V
Nominal power	2300 W
Continuous stall Current	5.9 Arms
Maximum Current	20.6 Arms
Nominal Current	4.8 Arms
Nominal working Speed	3000 rpm
Maximum working speed 24VDC	-
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3900
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	2.8 Ω
Winding inductance	8.6 mH
Electrical time constant	3.1 ms
Thermal Resistance	0.46 °C/W
Mechanical timeconstant high rotor inertia	3.4 ms
Mechanical time constant low rotor inertia	2.1 ms
High rotor inertia (as an option) without brake and without feedback	20.8 kg·cm ²
Low rotor inertia (as an option) without brake and without feedback	-
Low rotor inertia (standard) without brake and without feedback	13 kg·cm ²

Specification	
Mass without holding brake	9.9 Kg
Mass with holding brake	11.7 Kg
Maximum axial shaft load applied on the shaft's center	180 N
Maximun radial shaft load applied on the shaft's center	600 N

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 142

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-142/>



Produkte:	Seite
T 142 12 15	106
T 142 12 17	109
T 142 16,5 15	112
T 142 16,5 17	115
T 142 21 15	118
T 142 21 17	121
T 142 25,5 15	124
T 142 25,5 17	127

T 142 12 15

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-142-12-15/>



Specification	
Continuous Stall Torque	11 Nm
Peak Torque	31 Nm
Nominal Torque	8.6 Nm
Rated Voltage	230 V
Nominal power	2700 W
Continuous stall Current	12.1 Arms
Maximum Current	34.1 Arms
Nominal Current	9.9 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	4800
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	0.6 Ω
Winding inductance	2.8 mH
Electrical time constant	4.6 ms
Thermal Resistance	0.52 °C/W
Mechanical timeconstant high rotor inertia	4.2 ms
Mechanical time constant low rotor inertia	2.5 ms
High rotor inertia (as an option) without brake and without feedback	38.4 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	23 kg·cm ²
Mass without holding brake	13.5 Kg
Mass with holding brake	15.7 Kg

Specification

Maximum axial shaft load applied on the shaft's center	240 N
--	-------

Maximum radial shaft load applied on the shaft's center	800 N
---	-------

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 142 12 17

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-142-12-17/>



Specification	
Continuous Stall Torque	11 Nm
Peak Torque	31 Nm
Nominal Torque	8.6 Nm
Rated Voltage	400 V
Nominal power	2700 W
Continuous stall Current	6.9 Arms
Maximum Current	19.3 Arms
Nominal Current	5.6 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3900
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	1.6 Ω
Winding inductance	7.9 mH
Electrical time constant	4.8 ms
Thermal Resistance	0.59 °C/W
Mechanical timeconstant high rotor inertia	3.7 ms
Mechanical time constant low rotor inertia	2.2 ms
High rotor inertia (as an option) without brake and without feedback	38.4 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	23 kg·cm ²
Mass without holding brake	13.5 Kg
Mass with holding brake	15.7 Kg

Specification

Maximum axial shaft load applied on the shaft's center	240 N
--	-------

Maximum radial shaft load applied on the shaft's center	800 N
---	-------

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 142 16,5 15

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-142-165-15/>



Specification	
Continuous Stall Torque	14 Nm
Peak Torque	42 Nm
Nominal Torque	11.1 Nm
Rated Voltage	230 V
Nominal power	3500 W
Continuous stall Current	15.4 Arms
Maximum Current	46.2 Arms
Nominal Current	12.9 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	4600
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	0.4 Ω
Winding inductance	2.1 mH
Electrical time constant	5.2 ms
Thermal Resistance	0.47 °C/W
Mechanical timeconstant high rotor inertia	3.4 ms
Mechanical time constant low rotor inertia	2 ms
High rotor inertia (as an option) without brake and without feedback	45.9 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	27 kg·cm ²
Mass without holding brake	15.5 Kg
Mass with holding brake	17.7 Kg

Specification

Maximum axial shaft load applied on the shaft's center	240 N
--	-------

Maximum radial shaft load applied on the shaft's center	800 N
---	-------

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 142 16,5 17

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-142-165-17/>



Specification	
Continuous Stall Torque	14 Nm
Peak Torque	42 Nm
Nominal Torque	11.1 Nm
Rated Voltage	400 V
Nominal power	3500 W
Continuous stall Current	8.7 Arms
Maximum Current	26.2 Arms
Nominal Current	7.3 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3900
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	1.3 Ω
Winding inductance	6.9 mH
Electrical time constant	5.2 ms
Thermal Resistance	0.45 °C/W
Mechanical timeconstant high rotor inertia	3.5 ms
Mechanical time constant low rotor inertia	2.1 ms
High rotor inertia (as an option) without brake and without feedback	45.9 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	27 kg·cm ²
Mass without holding brake	15.5 Kg
Mass with holding brake	17.7 Kg

Specification

Maximum axial shaft load applied on the shaft's center	240 N
--	-------

Maximum radial shaft load applied on the shaft's center	800 N
---	-------

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 142 2115

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-142-21-15/>



Specification	
Continuous Stall Torque	18 Nm
Peak Torque	55 Nm
Nominal Torque	13.1 Nm
Rated Voltage	230 V
Nominal power	4100 W
Continuous stall Current	19.8 Arms
Maximum Current	60.5 Arms
Nominal Current	15.1 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	4400
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	0.25 Ω
Winding inductance	1.4 mH
Electrical time constant	5.6 ms
Thermal Resistance	0.46 °C/W
Mechanical timeconstant high rotor inertia	2.8 ms
Mechanical time constant low rotor inertia	1.6 ms
High rotor inertia (as an option) without brake and without feedback	61.2 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	36.1 kg·cm ²
Mass without holding brake	18.5 Kg
Mass with holding brake	20.7 Kg

Specification

Maximum axial shaft load applied on the shaft's center	240 N
--	-------

Maximum radial shaft load applied on the shaft's center	800 N
---	-------

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 142 2117

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-142-21-17/>



Specification	
Continuous Stall Torque	18 Nm
Peak Torque	55 Nm
Nominal Torque	13.1 Nm
Rated Voltage	400 V
Nominal power	4100 W
Continuous stall Current	11.2 Arms
Maximum Current	34.3 Arms
Nominal Current	8.5 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3900
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	0.8 Ω
Winding inductance	4.5 mH
Electrical time constant	5.6 ms
Thermal Resistance	0.45 °C/W
Mechanical timeconstant high rotor inertia	2.9 ms
Mechanical time constant low rotor inertia	1.7 ms
High rotor inertia (as an option) without brake and without feedback	61.2 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	36.1 kg·cm ²
Mass without holding brake	18.5 Kg
Mass with holding brake	20.7 Kg

Specification

Maximum axial shaft load applied on the shaft's center	240 N
--	-------

Maximum radial shaft load applied on the shaft's center	800 N
---	-------

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 142 25,5 15

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-142-255-15/>



Specification	
Continuous Stall Torque	21 Nm
Peak Torque	65 Nm
Nominal Torque	15.9 Nm
Rated Voltage	230 V
Nominal power	5000 W
Continuous stall Current	23.1 Arms
Maximum Current	71.4 Arms
Nominal Current	18.4 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	3900 rpm
Maximum working speed 400VAC	4400
Torque Constant	0.91 Nm/Arms
Voltage Constant	55 Vrms/Krpm
Winding resistance	0.24 Ω
Winding inductance	1.3 mH
Electrical time constant	5.4 ms
Thermal Resistance	0.36 °C/W
Mechanical timeconstant high rotor inertia	3 ms
Mechanical time constant low rotor inertia	1.8 ms
High rotor inertia (as an option) without brake and without feedback	68.9 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	40.5 kg·cm ²
Mass without holding brake	20.5 Kg
Mass with holding brake	22.7 Kg

Specification

Maximum axial shaft load applied on the shaft's center	240 N
--	-------

Maximum radial shaft load applied on the shaft's center	800 N
---	-------

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 142 25,5 17

Flange dimensions: 142 mm Rated Output Power: 2700 - 5000 W
Rated Torque: 8,6 - 15,9 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-142-255-17/>



Specification	
Continuous Stall Torque	21 Nm
Peak Torque	65 Nm
Nominal Torque	15.9 Nm
Rated Voltage	400 V
Nominal power	5000 W
Continuous stall Current	13.1 Arms
Maximum Current	40.5 Arms
Nominal Current	10.4 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3900
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	0.8 Ω
Winding inductance	4.2 mH
Electrical time constant	5.5 ms
Thermal Resistance	0.34 °C/W
Mechanical timeconstant high rotor inertia	3.1 ms
Mechanical time constant low rotor inertia	1.8 ms
High rotor inertia (as an option) without brake and without feedback	68.9 kg·cm ²
Low rotor inertia (standard) without brake and without feedback	40.5 kg·cm ²
Mass without holding brake	20.5 Kg
Mass with holding brake	22.7 Kg

Specification

Maximum axial shaft load applied on the shaft's center	240 N
--	-------

Maximum radial shaft load applied on the shaft's center	800 N
---	-------

Optionen

Mechanical Arrangement

- 0 = Shaft with key / without oil seal (front flange side IP 54)
- 1 = Shaft with key / with oil seal (front flange side IP 65)
- 2 = Shaft without key / without oil seal (front flange side IP 54)
- 3 = Shaft without key / with oil seal (front flange side IP 65)
- 4 = High inertia, shaft with key / without oil seal (front flange side IP 54)
- 5 = High inertia, shaft with key / with oil seal (front flange side IP 65)
- 6 = High inertia, shaft without key / without oil seal (front flange side IP 54)
- 7 = High inertia, shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC 180

Flange dimensions: 180 mm Rated Output Power: 4700 - 8380 W
Rated Torque: 18,0 - 40,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-180/>



Produkte:

Seite

T 180 22,5 17

131

T 180 35 17

133

T 180 47 17

135

T 180 22,5 17

Flange dimensions: 180 mm Rated Output Power: 4700 - 8380 W
Rated Torque: 18,0 - 40,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-180-225-17/>



Specification	
Continuous Stall Torque	25 Nm
Peak Torque	63 Nm
Nominal Torque	15 Nm
Rated Voltage	400 V
Nominal power	4700 W
Continuous stall Current	15.6 Arms
Maximum Current	39.3 Arms
Nominal Current	9.8 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3000
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	0.59 Ω
Winding inductance	3 mH
Electrical time constant	5.1 ms
Thermal Resistance	0.32 °C/W
Mechanical timeconstant high rotor inertia	3.3 ms
Mechanical time constant low rotor inertia	2.4 ms
High rotor inertia (as an option) without brake and without feedback	95 kg·cm ²
Low rotor inertia (as an option) without brake and without feedback	69.5 kg·cm ²
Mass without holding brake	27.5 Kg
Mass with holding brake	33.5 Kg

Specification	
Maximum axial shaft load applied on the shaft's center	510 N
Maximum radial shaft load applied on the shaft's center	1700 N

Optionen

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 180 35 17

Flange dimensions: 180 mm Rated Output Power: 4700 - 8380 W
Rated Torque: 18,0 - 40,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-180-35-17/>



Specification	
Continuous Stall Torque	39 Nm
Peak Torque	95 Nm
Nominal Torque	21 Nm
Rated Voltage	400 V
Nominal power	6600 W
Continuous stall Current	24.3 Arms
Maximum Current	59.2 Arms
Nominal Current	13.7 Arms
Nominal working Speed	3000 rpm
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3000
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	0.29 Ω
Winding inductance	1.9 mH
Electrical time constant	6.6 ms
Thermal Resistance	0.27 °C/W
Mechanical timeconstant high rotor inertia	2.4 ms
Mechanical time constant low rotor inertia	1.7 ms
High rotor inertia (as an option) without brake and without feedback	141 kg·cm ²
Low rotor inertia (as an option) without brake and without feedback	102.5 kg·cm ²
Mass without holding brake	36 Kg
Mass with holding brake	42 Kg

Specification	
Maximum axial shaft load applied on the shaft's center	510 N
Maximum radial shaft load applied on the shaft's center	1700 N

Optionen

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

T 180 47 17

Flange dimensions: 180 mm Rated Output Power: 4700 - 8380 W
Rated Torque: 18,0 - 40,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/t-180-47-17/>



Specification	
Continuous Stall Torque	50 Nm
Peak Torque	130 Nm
Nominal Torque	40 Nm
Rated Voltage	400 V
Nominal power	8380 W
Continuous stall Current	31.2 Arms
Maximum Current	81 Arms
Nominal Current	26.2 Arms
Nominal working Speed	2000 rpm
Maximum working speed 230VAC	2200 rpm
Maximum working speed 400VAC	3000
Torque Constant	1.6 Nm/Arms
Voltage Constant	97 Vrms/Krpm
Winding resistance	0.19 Ω
Winding inductance	1.4 mH
Electrical time constant	7.4 ms
Thermal Resistance	0.25 °C/W
Mechanical timeconstant high rotor inertia	2.1 ms
Mechanical time constant low rotor inertia	1.5 ms
High rotor inertia (as an option) without brake and without feedback	186.7 kg·cm ²
Low rotor inertia (as an option) without brake and without feedback	135.5 kg·cm ²
Mass without holding brake	45 Kg
Mass with holding brake	51 Kg

Specification	
Maximum axial shaft load applied on the shaft's center	510 N
Maximum radial shaft load applied on the shaft's center	1700 N

Optionen

Feedback

- E1 = Encoder TTL 2000ppr
- R1 = Resolver 2p
- A1 = Absolute multiturn encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 = 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 = 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 = 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

Anwendungen

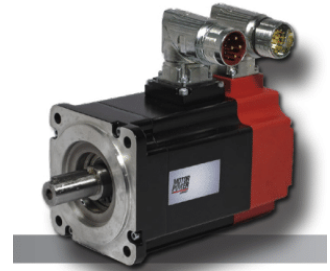
- Medical
- Biomedical
- Agriculture
- Processing & Packaging
- Logistic & Intralogistic

TC-L 40

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-40/>



Produkte:

Seite

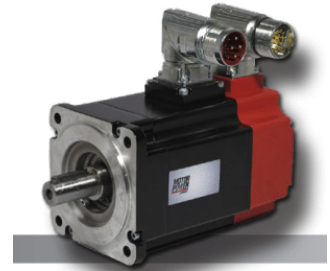
TC-L 40 0,16 00	138
TC-L 40 0,16 32	140
TC-L 40 0,32 00	142
TC-L 40 0,32 32	144

TC-L 40 0,16 00

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-40-016-00/>



Specification	
Stall Torque	0.21 Nm
Peak Torque	0.48 Nm
Rated Torque	0.19 Nm
Rated Voltage	48 Vdc
Rated Output Power	60 W
Stall Current	2.84 Arms
Peak Current	7.13 Arms
Rated Current	2.6 Arms
Rated Speed	3000 rpm
Maximum Speed @24Vdc	-
Maximum Speed @48Vdc	5000 rpm
Torque Constant ($\pm 5\%$)	0.074 Nm/Arms
Voltage Constant ($\pm 5\%$)	4.5 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	1.77 Ω
Phase/phase inductance ($\pm 10\%$)	1.6 mH
Electrical time constant	0.9 ms
Thermal Resistance	2.38 °C/W
Mechanical time constant	1 ms
Rotor Inertia without brake and without feedback	0.027 kg·cm ²
Motor weight	0.4 Kg
Motor weight + Brake	0.54 Kg
Motor weight with absolute encoder	0.41 Kg
Motor weight with absolute encoder + Brake	0.61 Kg
Axial Load applied on the shaft's center	30 N

Specification

Radial Load applied on the shaft's center	180 N
---	-------

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

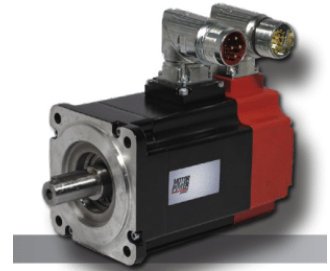
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 40 0,16 32

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-40-016-32/>



Specification	
Stall Torque	0.21 Nm
Peak Torque	0.48 Nm
Rated Torque	0.19 Nm
Rated Voltage	24 Vdc
Rated Output Power	60 W
Stall Current	4.23 Arms
Peak Current	9.67 Arms
Rated Current	3.96 Arms
Rated Speed	3000 rpm
Maximum Speed @24Vdc	5000 rpm
Maximum Speed @48Vdc	-
Torque Constant ($\pm 5\%$)	0.05 Nm/Arms
Voltage Constant ($\pm 5\%$)	3 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	1 Ω
Phase/phase inductance ($\pm 10\%$)	0.7 mH
Electrical time constant	0.7 ms
Thermal Resistance	2.38 °C/W
Mechanical time constant	1.62 ms
Rotor Inertia without brake and without feedback	0.027 kg·cm ²
Motor weight	0.4 Kg
Motor weight + Brake	0.54 Kg
Motor weight with absolute encoder	0.41 Kg
Motor weight with absolute encoder + Brake	0.61 Kg
Axial Load applied on the shaft's center	30 N

Specification

Radial Load applied on the shaft's center	180 N
---	-------

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

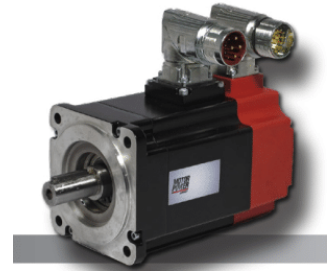
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 40 0,32 00

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-40-032-00/>



Specification	
Stall Torque	0.34 Nm
Peak Torque	0.96 Nm
Rated Torque	0.32 Nm
Rated Voltage	48 Vdc
Rated Output Power	100 W
Stall Current	4.6 Arms
Peak Current	14.2 Arms
Rated Current	4.3 Arms
Rated Speed	3000 rpm
Maximum Speed @24Vdc	-
Maximum Speed @48Vdc	5000 rpm
Torque Constant ($\pm 5\%$)	0.074 Nm/Arms
Voltage Constant ($\pm 5\%$)	4.5 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	0.85 Ω
Phase/phase inductance ($\pm 10\%$)	0.9 mH
Electrical time constant	1.06 ms
Thermal Resistance	2.3 °C/W
Mechanical time constant	1.04 ms
Rotor Inertia without brake and without feedback	0.047 kg·cm ²
Motor weight	0.54 Kg
Motor weight + Brake	0.68 Kg
Motor weight with absolute encoder	0.55 Kg
Motor weight with absolute encoder + Brake	0.75 Kg
Axial Load applied on the shaft's center	30 N

Specification

Radial Load applied on the shaft's center	180 N
---	-------

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

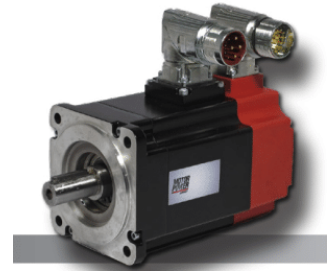
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 40 0,32 32

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-40-032-32/>



Specification	
Stall Torque	0.34 Nm
Peak Torque	0.96 Nm
Rated Torque	0.32 Nm
Rated Voltage	24 Vdc
Rated Output Power	100 W
Stall Current	6.8 Arms
Peak Current	21.3 Arms
Rated Current	6.4 Arms
Rated Speed	3000 rpm
Maximum Speed @24Vdc	5000 rpm
Maximum Speed @48Vdc	-
Torque Constant ($\pm 5\%$)	0.05 Nm/Arms
Voltage Constant ($\pm 5\%$)	3 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	0.37 Ω
Phase/phase inductance ($\pm 10\%$)	0.42 mH
Electrical time constant	1.13 ms
Thermal Resistance	2.3 °C/W
Mechanical time constant	1.04 ms
Rotor Inertia without brake and without feedback	0.047 kg·cm ²
Motor weight	0.54 Kg
Motor weight + Brake	0.68 Kg
Motor weight with absolute encoder	0.55 Kg
Motor weight with absolute encoder + Brake	0.75 Kg
Axial Load applied on the shaft's center	30 N

Specification

Radial Load applied on the shaft's center	180 N
---	-------

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

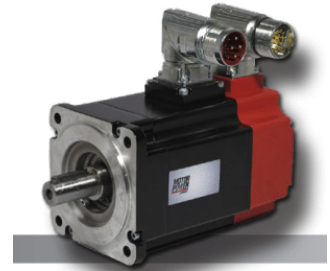
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 60

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-60/>



Produkte:

Seite

TC-L 60 0,65 00	147
TC-L 60 0,65 01	150
TC-L 60 0,65 32	153
TC-L 60 1,3 01	156
TC-L 60 1,3 32	159

TC-L 60 0,65 00

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-60-065-00/>



Specification	
Stall Torque	0.69 Nm
Stall Torque for S1	-
Stall Torque for S2 for intermittent duty S2 T= 10'/20'	-
Peak Torque	1.95 Nm
Rated Torque	0.64 Nm
Rated Torque S1	-
Rated Torque for S2 for intermittent duty S2 T= 10'/20'	-
Rated Voltage	48 Vdc
Rated Output Power	200 W
Rated Output Power for S1	-
Rated Output Power for S2 for intermittent duty S2 T= 10'/20'	-
Stall Current	9.32 Arms
Stall Current for S1	-
Stall Current for S2 for intermittent duty S2 T= 10'/20'	-
Peak Current	29 Arms
Rated Current	8.7 Arms
Rated Current for S1	-
Rated Current for S2 for intermittent duty S2 T= 10'/20'	-
Rated Speed	3000 rpm
Maximum Speed @24Vdc	-
Maximum Speed @48Vdc	5000 rpm
Torque Constant (± 5%)	0.074 Nm/Arms
Voltage Constant (± 5%)	4.5 Vrms/Krpm
Phase/phase resistance (± 10%@25°C)	0.21 Ω

Specification	
Phase/phase inductance ($\pm 10\%$)	0.5 mH
Electrical time constant	2.38 ms
Thermal Resistance	1.89 °C/W
Mechanical time constant	0.75 ms
Rotor Inertia without brake and without feedback	0.13 kg·cm ²
Motor weight	1.1 Kg
Motor weight + Brake	1.5 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

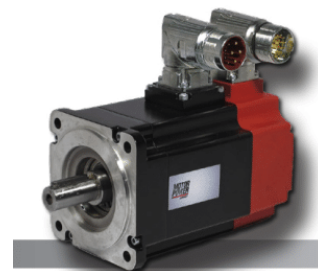
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 60 0,65 01

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-60-065-01/>



Specification	
Stall Torque	0.69 Nm
Stall Torque for S1	-
Stall Torque for S2 for intermittent duty S2 T= 10'/20'	-
Peak Torque	1.95 Nm
Rated Torque	0.64 Nm
Rated Torque S1	-
Rated Torque for S2 for intermittent duty S2 T= 10'/20'	-
Rated Voltage	48 Vdc
Rated Output Power	200 W
Rated Output Power for S1	-
Rated Output Power for S2 for intermittent duty S2 T= 10'/20'	-
Stall Current	7.34 Arms
Stall Current for S1	-
Stall Current for S2 for intermittent duty S2 T= 10'/20'	-
Peak Current	22.8 Arms
Rated Current	6.8 Arms
Rated Current for S1	-
Rated Current for S2 for intermittent duty S2 T= 10'/20'	-
Rated Speed	3000 rpm
Maximum Speed @24Vdc	-
Maximum Speed @48Vdc	5000 rpm
Torque Constant (± 5%)	0.094 Nm/Arms
Voltage Constant (± 5%)	5.7 Vrms/Krpm
Phase/phase resistance (± 10%@25°C)	0.38 Ω

Specification	
Phase/phase inductance ($\pm 10\%$)	0.9 mH
Electrical time constant	2.4 ms
Thermal Resistance	1.89 °C/W
Mechanical time constant	0.8 ms
Rotor Inertia without brake and without feedback	0.13 kg·cm ²
Motor weight	1.1 Kg
Motor weight + Brake	1.5 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

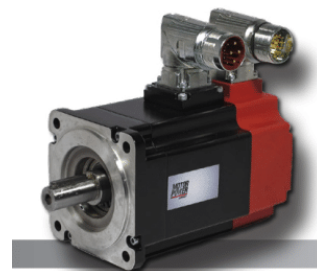
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 60 0,65 32

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-60-065-32/>



Specification	
Stall Torque	0.69 Nm
Stall Torque for S1	-
Stall Torque for S2 for intermittent duty S2 T= 10'/20'	-
Peak Torque	1.95 Nm
Rated Torque	0.64 Nm
Rated Torque S1	-
Rated Torque for S2 for intermittent duty S2 T= 10'/20'	-
Rated Voltage	24 Vdc
Rated Output Power	200 W
Rated Output Power for S1	-
Rated Output Power for S2 for intermittent duty S2 T= 10'/20'	-
Stall Current	13.8 Arms
Stall Current for S1	-
Stall Current for S2 for intermittent duty S2 T= 10'/20'	-
Peak Current	43 Arms
Rated Current	12.8 Arms
Rated Current for S1	-
Rated Current for S2 for intermittent duty S2 T= 10'/20'	-
Rated Speed	3000 rpm
Maximum Speed @24Vdc	5000 rpm
Maximum Speed @48Vdc	-
Torque Constant (± 5%)	0.05 Nm/Arms
Voltage Constant (± 5%)	3 Vrms/Krpm
Phase/phase resistance (± 10%@25°C)	0.1 Ω

Specification	
Phase/phase inductance ($\pm 10\%$)	0.28 mH
Electrical time constant	2.75 ms
Thermal Resistance	1.89 °C/W
Mechanical time constant	0.78 ms
Rotor Inertia without brake and without feedback	0.13 kg·cm ²
Motor weight	1.1 Kg
Motor weight + Brake	1.5 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 60 1,3 01

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-60-13-01/>



Specification	
Stall Torque	1.31 Nm
Stall Torque for S1	-
Stall Torque for S2 for intermittent duty S2 T= 10'/20'	-
Peak Torque	3.9 Nm
Rated Torque	1.18 Nm
Rated Torque S1	-
Rated Torque for S2 for intermittent duty S2 T= 10'/20'	-
Rated Voltage	48 Vdc
Rated Output Power	370 W
Rated Output Power for S1	-
Rated Output Power for S2 for intermittent duty S2 T= 10'/20'	-
Stall Current	13.8 Arms
Stall Current for S1	-
Stall Current for S2 for intermittent duty S2 T= 10'/20'	-
Peak Current	45.6 Arms
Rated Current	12.6 Arms
Rated Current for S1	-
Rated Current for S2 for intermittent duty S2 T= 10'/20'	-
Rated Speed	3000 rpm
Maximum Speed @24Vdc	-
Maximum Speed @48Vdc	5000 rpm
Torque Constant (± 5%)	0.094 Nm/Arms
Voltage Constant (± 5%)	5.7 Vrms/Krpm
Phase/phase resistance (± 10%@25°C)	0.16 Ω

Specification	
Phase/phase inductance ($\pm 10\%$)	0.48 mH
Electrical time constant	3 ms
Thermal Resistance	1.41 °C/W
Mechanical time constant	0.65 ms
Rotor Inertia without brake and without feedback	0.24 kg·cm ²
Motor weight	1.5 Kg
Motor weight + Brake	1.9 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 60 1,3 32

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-60-13-32/>



Specification	
Stall Torque	-
Stall Torque for S1	0.9 Nm
Stall Torque for S2 for intermittent duty S2 T= 10'/20'	1.3 Nm
Peak Torque	3.9 Nm
Rated Torque	-
Rated Torque S1	0.87 Nm
Rated Torque for S2 for intermittent duty S2 T= 10'/20'	1.18 Nm
Rated Voltage	24 Vdc
Rated Output Power	-
Rated Output Power for S1	280 W
Rated Output Power for S2 for intermittent duty S2 T= 10'/20'	370 W
Stall Current	-
Stall Current for S1	18 Arms
Stall Current for S2 for intermittent duty S2 T= 10'/20'	26 Arms
Peak Current	85 Arms
Rated Current	-
Rated Current for S1	17.85
Rated Current for S2 for intermittent duty S2 T= 10'/20'	23.6
Rated Speed	3000 rpm
Maximum Speed @24Vdc	5000 rpm
Maximum Speed @48Vdc	-
Torque Constant (± 5%)	0.05 Nm/Arms
Voltage Constant (± 5%)	3 Vrms/Krpm
Phase/phase resistance (± 10%@25°C)	0.09 Ω

Specification	
Phase/phase inductance ($\pm 10\%$)	0.11 mH
Electrical time constant	1.22 ms
Thermal Resistance	1.41 °C/W
Mechanical time constant	1.2 ms
Rotor Inertia without brake and without feedback	0.24 kg·cm ²
Motor weight	1.5 Kg
Motor weight + Brake	1.9 Kg
Axial Load applied on the shaft's center	70 N
Radial Load applied on the shaft's center	220 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

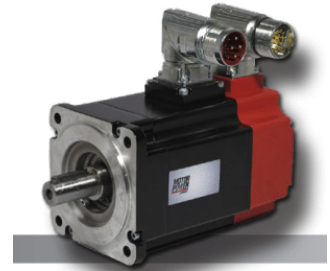
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 80

Flange dimensions: 80 mm Rated Output Power: 480 W Rated Torque: 1,53 - 1,54 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-80/>



Produkte:

Seite

TC-L 80 1,5 01	163
TC-L 80 1,5 03	166
TC-L 80 2,8 02	169

TC-L 80 1,5 01

Flange dimensions: 80 mm Rated Output Power: 480 W Rated Torque: 1,53 - 1,54 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-80-15-01/>



Specification	
Stall Torque	1.74 Nm
Stall Torque for S1	-
Stall Torque for S2 for intermittent duty S2 T= 10'/20'	-
Peak Torque	4.5 Nm
Rated Torque	1.53 Nm
Rated Torque S1	-
Rated Torque for S2 for intermittent duty S2 T= 10'/20'	-
Rated Voltage	48 Vdc
Rated Output Power	480 W
Rated Output Power for S1	-
Rated Output Power for S2 for intermittent duty S2 T= 10'/20'	-
Stall Current	18.5 Arms
Stall Current for S1	-
Stall Current for S2 for intermittent duty S2 T= 10'/20'	-
Peak Current	52.7 Arms
Rated Current	16.3 Arms
Rated Current for S1	-
Rated Current for S2 for intermittent duty S2 T= 10'/20'	-
Rated Speed	3000 rpm
Maximum Speed @48Vdc	5000 rpm
Torque Constant ($\pm 5\%$)	0.094 Nm/Arms
Voltage Constant ($\pm 5\%$)	5.7 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	0.075 Ω
Phase/phase inductance ($\pm 10\%$)	0.314 mH

Specification	
Electrical time constant	4.2 ms
Thermal Resistance	1.67 °C/W
Mechanical time constant	0.8 ms
Rotor Inertia without brake and without feedback	0.64 kg·cm ²
Motor weight	2.25 Kg
Motor weight + Brake	2.97 Kg
Axial Load applied on the shaft's center	110 N
Radial Load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 80 1,5 03

Flange dimensions: 80 mm Rated Output Power: 480 W Rated Torque: 1,53 - 1,54 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-80-15-03/>



Specification	
Stall Torque	1.74 Nm
Stall Torque for S1	-
Stall Torque for S2 for intermittent duty S2 T= 10'/20'	-
Peak Torque	4.5 Nm
Rated Torque	1.53 Nm
Rated Torque S1	-
Rated Torque for S2 for intermittent duty S2 T= 10'/20'	-
Rated Voltage	48 Vdc
Rated Output Power	480 W
Rated Output Power for S1	-
Rated Output Power for S2 for intermittent duty S2 T= 10'/20'	-
Stall Current	12.3 Arms
Stall Current for S1	-
Stall Current for S2 for intermittent duty S2 T= 10'/20'	-
Peak Current	35.1 Arms
Rated Current	11 Arms
Rated Current for S1	-
Rated Current for S2 for intermittent duty S2 T= 10'/20'	-
Rated Speed	3000 rpm
Maximum Speed @48Vdc	3700 rpm
Torque Constant (± 5%)	0.141 Nm/Arms
Voltage Constant (± 5%)	8.5 Vrms/Krpm
Phase/phase resistance (± 10%@25°C)	0.136 Ω
Phase/phase inductance (± 10%)	0.53 mH

Specification	
Electrical time constant	3.9 ms
Thermal Resistance	1.67 °C/W
Mechanical time constant	0.8 ms
Rotor Inertia without brake and without feedback	0.64 kg·cm ²
Motor weight	2.25 Kg
Motor weight + Brake	2.97 Kg
Axial Load applied on the shaft's center	110 N
Radial Load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-L 80 2,8 02

Flange dimensions: 80 mm Rated Output Power: 480 W Rated Torque: 1,53 - 1,54 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-l-80-28-02/>



Specification	
Stall Torque	-
Stall Torque for S1	2 Nm
Stall Torque for S2 for intermittent duty S2 T= 10'/20'	2.8 Nm
Peak Torque	8.4 Nm
Rated Torque	-
Rated Torque S1	1.54 Nm
Rated Torque for S2 for intermittent duty S2 T= 10'/20'	2.34 Nm
Rated Voltage	48 Vdc
Rated Output Power	-
Rated Output Power for S1	480 W
Rated Output Power for S2 for intermittent duty S2 T= 10'/20'	735 W
Stall Current	-
Stall Current for S1	17.7 Arms
Stall Current for S2 for intermittent duty S2 T= 10'/20'	24.8 Arms
Peak Current	82 Arms
Rated Current	-
Rated Current for S1	14.3
Rated Current for S2 for intermittent duty S2 T= 10'/20'	21.7
Rated Speed	3000 rpm
Maximum Speed @48Vdc	4700 rpm
Torque Constant ($\pm 5\%$)	0.113 Nm/Arms
Voltage Constant ($\pm 5\%$)	6.8 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	0.064 Ω
Phase/phase inductance ($\pm 10\%$)	0.24 mH

Specification	
Electrical time constant	3.75 ms
Thermal Resistance	2.13 °C/W
Mechanical time constant	0.65 ms
Rotor Inertia without brake and without feedback	1.16 kg·cm ²
Motor weight	3.05 Kg
Motor weight + Brake	3.77 Kg
Axial Load applied on the shaft's center	110 N
Radial Load applied on the shaft's center	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- E1 - Encoder TTL 2000ppr
- R1 - Resolver 2 poles
- A1 - Absolute Multiturn Encoder

Brake

- 0 = without brake
- 1 = with brake

Connection

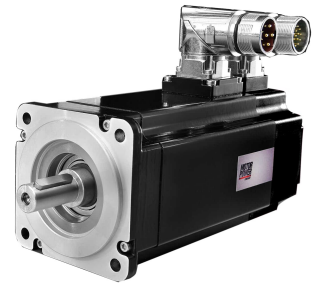
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only) specify D0/F88 if the connection is with Lite Pro drive
- G2 - 90° M23 turnable connectors - PT 1000 on power connector specify G2/F88 if the connection is with Lite Pro drive
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector specify H2/F88 if the connection is with Lite Pro drive

TC-X 40

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque:
0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-40/>



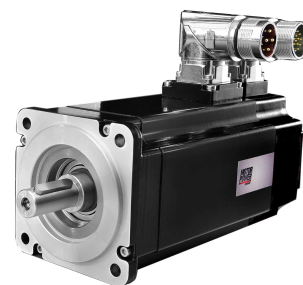
Produkte:	Seite
TC-X 40 0,16 32	173
TC-X 40 0,16 01	175
TC-X 40 0,32 01	177
TC-X 40 0,32 21	179

TC-X 40 0,16 32

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque:
0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-40-016-32/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	0.21 Nm
Peak Torque (ambient temperature 0 to +40°C)	0.48 Nm
Nominal Torque (ambient temperature 0 to +40°C)	0.19 Nm
Rated Voltage (ambient temperature 0 to +40°C)	24 Vdc
Nominal power (ambient temperature 0 to +40°C)	60 W
Continuous stall Current (ambient temperature 0 to +40°C)	4.23 Arms
Maximum Current (ambient temperature 0 to +40°C)	9.67 Arms
Nominal Current (ambient temperature 0 to +40°C)	3.96 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 24VDC (ambient temperature 0 to +40°C)	5000 rpm
Maximum working speed 48VDC (ambient temperature 0 to +40°C)	-
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	-
Torque Constant (ambient temperature 0 to +40°C)	0.05 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	3 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	1 Ω
Winding inductance (ambient temperature 0 to +40°C)	0.7 mH
Electrical time constant (ambient temperature 0 to +40°C)	0.7 ms
Thermal Resistance (ambient temperature 0 to +40°C)	2.38 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	1.62 ms

Specification	
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.027 kg·cm ²
Mass (ambient temperature 0 to +40°C)	0.4 Kg
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	30 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	180 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

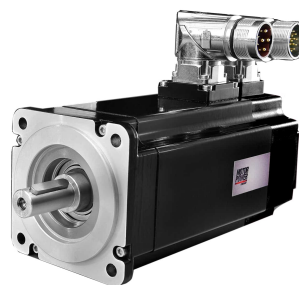
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 40 0,16 01

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque:
0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-40-016-01/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	0.21 Nm
Peak Torque (ambient temperature 0 to +40°C)	0.48 Nm
Nominal Torque (ambient temperature 0 to +40°C)	0.19 Nm
Rated Voltage (ambient temperature 0 to +40°C)	48 Vdc
Nominal power (ambient temperature 0 to +40°C)	60 W
Continuous stall Current (ambient temperature 0 to +40°C)	2.23 Arms
Maximum Current (ambient temperature 0 to +40°C)	5.09 Arms
Nominal Current (ambient temperature 0 to +40°C)	2.09 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 24VDC (ambient temperature 0 to +40°C)	-
Maximum working speed 48VDC (ambient temperature 0 to +40°C)	5000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	-
Torque Constant (ambient temperature 0 to +40°C)	0.094 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	5.7 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	3.2 Ω
Winding inductance (ambient temperature 0 to +40°C)	2.5 mH
Electrical time constant (ambient temperature 0 to +40°C)	0.78 ms
Thermal Resistance (ambient temperature 0 to +40°C)	2.38 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	1.47 ms

Specification	
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.027 kg·cm ²
Mass (ambient temperature 0 to +40°C)	0.4 Kg
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	30 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	180 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

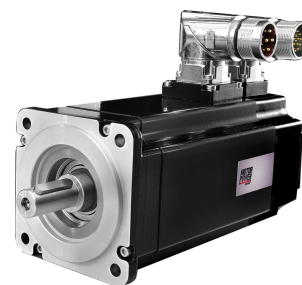
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 40 0,32 01

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-40-032-01/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	0.34 Nm
Peak Torque (ambient temperature 0 to +40°C)	0.96 Nm
Nominal Torque (ambient temperature 0 to +40°C)	0.32 Nm
Rated Voltage (ambient temperature 0 to +40°C)	48 Vdc
Nominal power (ambient temperature 0 to +40°C)	100 W
Continuous stall Current (ambient temperature 0 to +40°C)	3.61 Arms
Maximun Current (ambient temperature 0 to +40°C)	10.18 Arms
Nominal Current (ambient temperature 0 to +40°C)	3.48 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 24VDC (ambient temperature 0 to +40°C)	-
Maximum working speed 48VDC (ambient temperature 0 to +40°C)	5000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	-
Torque Constant (ambient temperature 0 to +40°C)	0.094 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	5.7 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	1.1 Ω
Winding inductance (ambient temperature 0 to +40°C)	1.42 mH
Electrical time constant (ambient temperature 0 to +40°C)	1.29 ms
Thermal Resistance (ambient temperature 0 to +40°C)	2.3 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.88 ms

Specification	
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.047 kg·cm ²
Mass (ambient temperature 0 to +40°C)	0.54 Kg
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	30 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	180 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

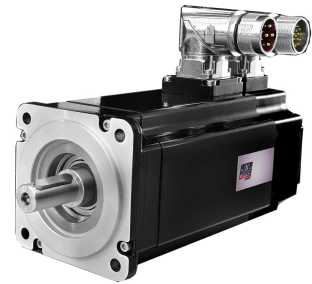
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 40 0,32 21

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W Rated Torque:
0,19 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-40-032-21/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	0.34 Nm
Peak Torque (ambient temperature 0 to +40°C)	0.96 Nm
Nominal Torque (ambient temperature 0 to +40°C)	0.32 Nm
Rated Voltage (ambient temperature 0 to +40°C)	230 Vdc
Nominal power (ambient temperature 0 to +40°C)	120 W
Continuous stall Current (ambient temperature 0 to +40°C)	0.65 Arms
Maximun Current (ambient temperature 0 to +40°C)	1.82 Arms
Nominal Current (ambient temperature 0 to +40°C)	0.62 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 24VDC (ambient temperature 0 to +40°C)	-
Maximum working speed 48VDC (ambient temperature 0 to +40°C)	-
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	5000 rpm
Torque Constant (ambient temperature 0 to +40°C)	0.526 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	31.8 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	36.2 Ω
Winding inductance (ambient temperature 0 to +40°C)	44 mH
Electrical time constant (ambient temperature 0 to +40°C)	1.21 ms
Thermal Resistance (ambient temperature 0 to +40°C)	2.3 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.92 ms

Specification	
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.047 kg·cm ²
Mass (ambient temperature 0 to +40°C)	0.54 Kg
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	30 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	180 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

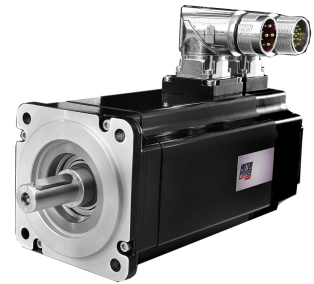
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 60

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-60/>



Produkte:

Seite

TC-X 60 0,65 21

182

TC-X 60 1,3 21

184

TC-X 60 1,3 15

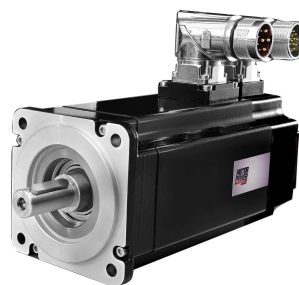
186

TC-X 60 0,65 21

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-60-065-21/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	0.69 Nm
Peak Torque (ambient temperature 0 to +40°C)	1.95 Nm
Nominal Torque (ambient temperature 0 to +40°C)	0.64 Nm
Rated Voltage (ambient temperature 0 to +40°C)	230 Vdc
Nominal power (ambient temperature 0 to +40°C)	200 W
Continuous stall Current (ambient temperature 0 to +40°C)	1.31 Arms
Maximum Current (ambient temperature 0 to +40°C)	3.71 Arms
Nominal Current (ambient temperature 0 to +40°C)	1.25 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	5000 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	-
Torque Constant (ambient temperature 0 to +40°C)	0.526 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	31.8 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	12.9 Ω
Winding inductance (ambient temperature 0 to +40°C)	26.5 mH
Electrical time constant (ambient temperature 0 to +40°C)	2.05 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1.89 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.91 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.13 kg·cm ²
Mass (ambient temperature 0 to +40°C)	1.1 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	70 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	220 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

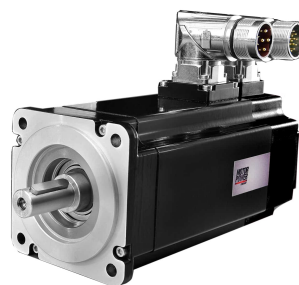
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 60 1,3 21

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-60-13-21/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	1.31 Nm
Peak Torque (ambient temperature 0 to +40°C)	3.9 Nm
Nominal Torque (ambient temperature 0 to +40°C)	1.18 Nm
Rated Voltage (ambient temperature 0 to +40°C)	230 Vdc
Nominal power (ambient temperature 0 to +40°C)	370 W
Continuous stall Current (ambient temperature 0 to +40°C)	2.49 Arms
Maximum Current (ambient temperature 0 to +40°C)	7.41 Arms
Nominal Current (ambient temperature 0 to +40°C)	2.31 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	5000 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	-
Torque Constant (ambient temperature 0 to +40°C)	0.526 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	31.8 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	4.2 Ω
Winding inductance (ambient temperature 0 to +40°C)	14.9 mH
Electrical time constant (ambient temperature 0 to +40°C)	3.55 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1.41 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.55 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.24 kg·cm ²
Mass (ambient temperature 0 to +40°C)	1.5 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	70 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	220 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

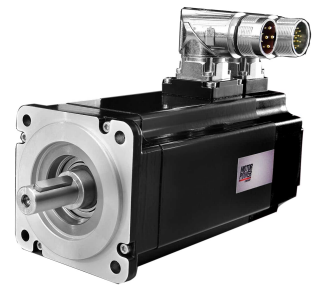
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 60 1,3 15

Flange dimensions: 60 mm Rated Output Power: 200 - 370 W Rated Torque: 0,64 - 1,18 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-60-13-15/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	1.31 Nm
Peak Torque (ambient temperature 0 to +40°C)	3.9 Nm
Nominal Torque (ambient temperature 0 to +40°C)	1.18 Nm
Rated Voltage (ambient temperature 0 to +40°C)	400 Vdc
Nominal power (ambient temperature 0 to +40°C)	370 W
Continuous stall Current (ambient temperature 0 to +40°C)	1.44 Arms
Maximum Current (ambient temperature 0 to +40°C)	4.29 Arms
Nominal Current (ambient temperature 0 to +40°C)	1.33 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	3900 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	5000
Torque Constant (ambient temperature 0 to +40°C)	0.91 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	55 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	14.4 Ω
Winding inductance (ambient temperature 0 to +40°C)	41.8 mH
Electrical time constant (ambient temperature 0 to +40°C)	2.9 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1.41 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.63 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.24 kg·cm ²
Mass (ambient temperature 0 to +40°C)	1.5 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	70 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	220 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

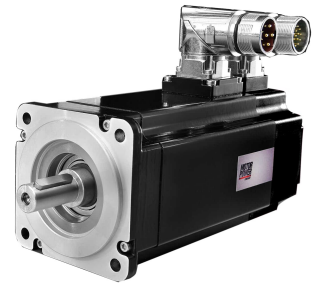
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 80

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated
Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-80/>



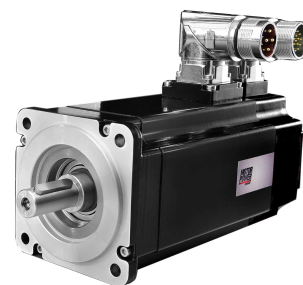
Produkte:	Seite
TC-X 80 1,5 21	189
TC-X 80 1,5 15	191
TC-X 80 2,8 21	193
TC-X 80 2,8 15	195
TC-X 80 4 15	197
TC-X 80 4 17	199

TC-X 80 1,5 21

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-80-15-21/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	1.74 Nm
Peak Torque (ambient temperature 0 to +40°C)	4.5 Nm
Nominal Torque (ambient temperature 0 to +40°C)	1.53 Nm
Rated Voltage (ambient temperature 0 to +40°C)	230 Vdc
Nominal power (ambient temperature 0 to +40°C)	480 W
Continuous stall Current (ambient temperature 0 to +40°C)	3.31 Arms
Maximum Current (ambient temperature 0 to +40°C)	8.55 Arms
Nominal Current (ambient temperature 0 to +40°C)	2.99 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	5000 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	-
Torque Constant (ambient temperature 0 to +40°C)	0.526 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	31.8 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	2.3 Ω
Winding inductance (ambient temperature 0 to +40°C)	7.4 mH
Electrical time constant (ambient temperature 0 to +40°C)	3.2 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1.67 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.8 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.64 kg·cm ²
Mass (ambient temperature 0 to +40°C)	2.25 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	110 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

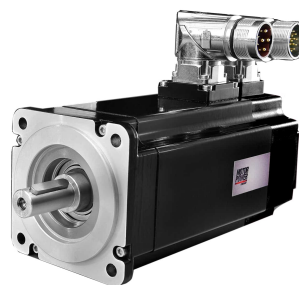
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 80 1,5 15

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-80-15-15/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	1.74 Nm
Peak Torque (ambient temperature 0 to +40°C)	4.5 Nm
Nominal Torque (ambient temperature 0 to +40°C)	1.53 Nm
Rated Voltage (ambient temperature 0 to +40°C)	400 Vdc
Nominal power (ambient temperature 0 to +40°C)	480 W
Continuous stall Current (ambient temperature 0 to +40°C)	1.91 Arms
Maximum Current (ambient temperature 0 to +40°C)	4.95 Arms
Nominal Current (ambient temperature 0 to +40°C)	1.73 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	3900 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	5000
Torque Constant (ambient temperature 0 to +40°C)	0.91 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	55 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	6.5 Ω
Winding inductance (ambient temperature 0 to +40°C)	22.2 mH
Electrical time constant (ambient temperature 0 to +40°C)	3.4 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1.67 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.75 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	0.64 kg·cm ²
Mass (ambient temperature 0 to +40°C)	2.25 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	110 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

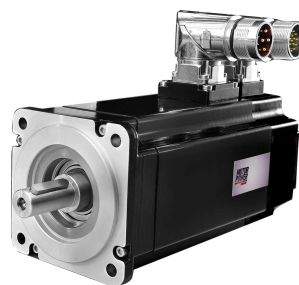
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 80 2,8 21

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-80-28-21/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	2.96 Nm
Peak Torque (ambient temperature 0 to +40°C)	8.4 Nm
Nominal Torque (ambient temperature 0 to +40°C)	2.55 Nm
Rated Voltage (ambient temperature 0 to +40°C)	230 Vdc
Nominal power (ambient temperature 0 to +40°C)	800 W
Continuous stall Current (ambient temperature 0 to +40°C)	5.36 Arms
Maximun Current (ambient temperature 0 to +40°C)	15.97 Arms
Nominal Current (ambient temperature 0 to +40°C)	4.99 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	5000 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	-
Torque Constant (ambient temperature 0 to +40°C)	0.526 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	31.8 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	0.99 Ω
Winding inductance (ambient temperature 0 to +40°C)	4.4 mH
Electrical time constant (ambient temperature 0 to +40°C)	4.4 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1.32 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.62 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	1.16 kg·cm ²
Mass (ambient temperature 0 to +40°C)	3.05 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	110 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

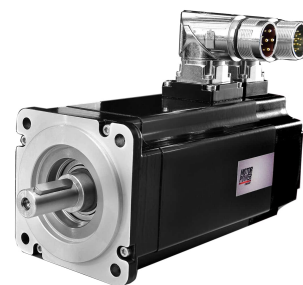
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 80 2,8 15

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-80-28-15/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	2.96 Nm
Peak Torque (ambient temperature 0 to +40°C)	8.4 Nm
Nominal Torque (ambient temperature 0 to +40°C)	2.55 Nm
Rated Voltage (ambient temperature 0 to +40°C)	400 Vdc
Nominal power (ambient temperature 0 to +40°C)	800 W
Continuous stall Current (ambient temperature 0 to +40°C)	3.25 Arms
Maximum Current (ambient temperature 0 to +40°C)	9.23 Arms
Nominal Current (ambient temperature 0 to +40°C)	2.88 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	3900 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	5000
Torque Constant (ambient temperature 0 to +40°C)	0.91 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	55 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	3 Ω
Winding inductance (ambient temperature 0 to +40°C)	13.2 mH
Electrical time constant (ambient temperature 0 to +40°C)	4.4 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1.32 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.63 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	1.16 kg·cm ²
Mass (ambient temperature 0 to +40°C)	3.05 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	110 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

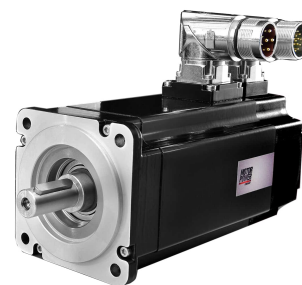
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 80 4 15

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-80-4-15/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	4 Nm
Peak Torque (ambient temperature 0 to +40°C)	12 Nm
Nominal Torque (ambient temperature 0 to +40°C)	3.4 Nm
Rated Voltage (ambient temperature 0 to +40°C)	230 Vdc
Nominal power (ambient temperature 0 to +40°C)	1068 W
Continuous stall Current (ambient temperature 0 to +40°C)	4.4 Arms
Maximun Current (ambient temperature 0 to +40°C)	13.19 Arms
Nominal Current (ambient temperature 0 to +40°C)	3.85 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	3900 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	5000
Torque Constant (ambient temperature 0 to +40°C)	0.91 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	55 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	1.9 Ω
Winding inductance (ambient temperature 0 to +40°C)	8.9 mH
Electrical time constant (ambient temperature 0 to +40°C)	4.7 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.54 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	1.58 kg·cm ²
Mass (ambient temperature 0 to +40°C)	4.1 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	110 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

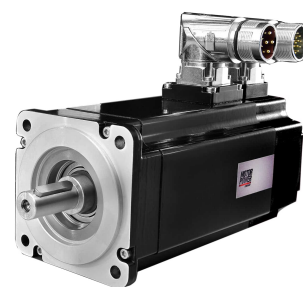
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 80 4 17

Flange dimensions: 80 mm Rated Output Power: 480 - 1068 W Rated Torque: 1,53 - 3,4 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-80-4-17/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	4 Nm
Peak Torque (ambient temperature 0 to +40°C)	12 Nm
Nominal Torque (ambient temperature 0 to +40°C)	3.4 Nm
Rated Voltage (ambient temperature 0 to +40°C)	400 Vdc
Nominal power (ambient temperature 0 to +40°C)	1068 W
Continuous stall Current (ambient temperature 0 to +40°C)	2.5 Arms
Maximun Current (ambient temperature 0 to +40°C)	7.5 Arms
Nominal Current (ambient temperature 0 to +40°C)	2.19 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	-
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	3900
Torque Constant (ambient temperature 0 to +40°C)	1.6 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	96 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	6.5 Ω
Winding inductance (ambient temperature 0 to +40°C)	28.6 mH
Electrical time constant (ambient temperature 0 to +40°C)	4.4 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.6 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	1.58 kg·cm ²
Mass (ambient temperature 0 to +40°C)	4.1 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	110 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	350 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

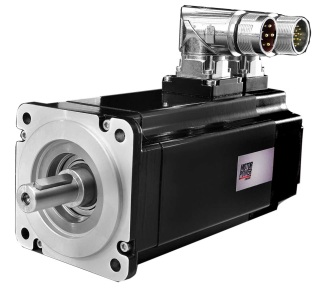
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 100

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-100/>



Produkte:

Seite

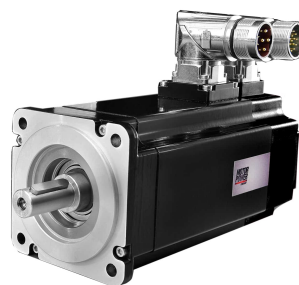
TC-X 100 3,2 21	202
TC-X 100 3,2 15	204
TC-X 100 5,6 15	206
TC-X 100 8 15	208

TC-X 100 3,2 21

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-100-32-21/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	3.2 Nm
Peak Torque (ambient temperature 0 to +40°C)	11 Nm
Nominal Torque (ambient temperature 0 to +40°C)	2.61 Nm
Rated Voltage (ambient temperature 0 to +40°C)	230 Vdc
Nominal power (ambient temperature 0 to +40°C)	820 W
Continuous stall Current (ambient temperature 0 to +40°C)	6.08 Arms
Maximun Current (ambient temperature 0 to +40°C)	20.91 Arms
Nominal Current (ambient temperature 0 to +40°C)	5.121 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	5000 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	-
Torque Constant (ambient temperature 0 to +40°C)	0.526 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	31.8 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	1.1 Ω
Winding inductance (ambient temperature 0 to +40°C)	4.44 mH
Electrical time constant (ambient temperature 0 to +40°C)	4.03 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.92 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	1.55 kg·cm ²
Mass (ambient temperature 0 to +40°C)	3.9 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	225 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	626 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

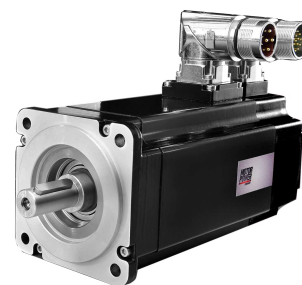
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 100 3,2 15

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-100-32-15/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	3.2 Nm
Peak Torque (ambient temperature 0 to +40°C)	11 Nm
Nominal Torque (ambient temperature 0 to +40°C)	2.61 Nm
Rated Voltage (ambient temperature 0 to +40°C)	400 Vdc
Nominal power (ambient temperature 0 to +40°C)	820 W
Continuous stall Current (ambient temperature 0 to +40°C)	3.52 Arms
Maximun Current (ambient temperature 0 to +40°C)	12.09 Arms
Nominal Current (ambient temperature 0 to +40°C)	2.96 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	3900 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	5000
Torque Constant (ambient temperature 0 to +40°C)	0.91 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	55 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	2.9 Ω
Winding inductance (ambient temperature 0 to +40°C)	13.28 mH
Electrical time constant (ambient temperature 0 to +40°C)	4.58 ms
Thermal Resistance (ambient temperature 0 to +40°C)	1 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.81 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	1.55 kg·cm ²
Mass (ambient temperature 0 to +40°C)	3.9 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	225 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	626 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

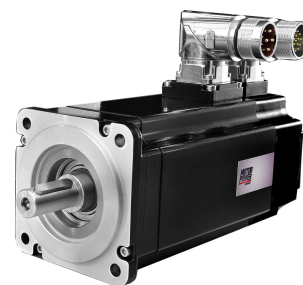
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 100 5,6 15

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-100-56-15/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	5.6 Nm
Peak Torque (ambient temperature 0 to +40°C)	22 Nm
Nominal Torque (ambient temperature 0 to +40°C)	4.2 Nm
Rated Voltage (ambient temperature 0 to +40°C)	400 Vdc
Nominal power (ambient temperature 0 to +40°C)	1320 W
Continuous stall Current (ambient temperature 0 to +40°C)	6.15 Arms
Maximun Current (ambient temperature 0 to +40°C)	24.18 Arms
Nominal Current (ambient temperature 0 to +40°C)	4.76 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	3900 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	5000
Torque Constant (ambient temperature 0 to +40°C)	0.91 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	55 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	1.17 Ω
Winding inductance (ambient temperature 0 to +40°C)	6.33 mH
Electrical time constant (ambient temperature 0 to +40°C)	5.41 ms
Thermal Resistance (ambient temperature 0 to +40°C)	0.95 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.62 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	2.91 kg·cm ²
Mass (ambient temperature 0 to +40°C)	5.6 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	225 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	626 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

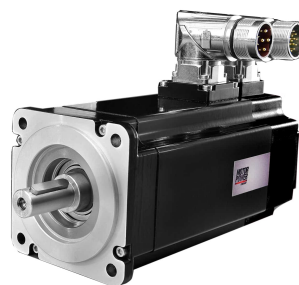
- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-X 100 8 15

Flange dimensions: 100 mm Rated Output Power: 820 - 1570 W Rated Torque: 2,61 - 5,0 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-x-100-8-15/>



Specification	
Continuous Stall Torque (ambient temperature 0 to +40°C)	8 Nm
Peak Torque (ambient temperature 0 to +40°C)	33 Nm
Nominal Torque (ambient temperature 0 to +40°C)	5 Nm
Rated Voltage (ambient temperature 0 to +40°C)	400 Vdc
Nominal power (ambient temperature 0 to +40°C)	1570 W
Continuous stall Current (ambient temperature 0 to +40°C)	8.79 Arms
Maximun Current (ambient temperature 0 to +40°C)	36.27 Arms
Nominal Current (ambient temperature 0 to +40°C)	5.66 Arms
Nominal working Speed (ambient temperature 0 to +40°C)	3000 rpm
Maximum working speed 230VAC (ambient temperature 0 to +40°C)	3900 rpm
Maximum working speed 400VAC (ambient temperature 0 to +40°C)	5000
Torque Constant (ambient temperature 0 to +40°C)	0.91 Nm/Arms
Voltage Constant (ambient temperature 0 to +40°C)	55 Vrms/Krpm
Winding resistance (ambient temperature 0 to +40°C)	0.69 Ω
Winding inductance (ambient temperature 0 to +40°C)	4.22 mH
Electrical time constant (ambient temperature 0 to +40°C)	6.12 ms
Thermal Resistance (ambient temperature 0 to +40°C)	0.78 °C/W
Mechanical time constant (ambient temperature 0 to +40°C)	0.51 ms
Rotor Inertia without feedback (ambient temperature 0 to +40°C)	4.1 kg·cm ²
Mass (ambient temperature 0 to +40°C)	7.3 Kg

Specification	
Maximum axial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	225 N
Maximum radial shaft load applied on the shaft's center (ambient temperature 0 to +40°C)	626 N

Optionen

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

Feedback

- R1 - Resolver 2 poles

Brake

- 0 = without brake

Connection

- D0 - 300mm cable length with AMP connectors, without thermal protection (For TC40 only)
- G2 - 90° M23 turnable connectors - PT 1000 on power connector
- H2 - 90° M23 turnable connectors - PT 1000 on signal connector

TC-E 40

Flange dimensions: 40 mm Rated Output Power: 50 - 100 W Rated Torque: 0,16 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-40/>



Produkte:	Seite
TC-E 40 1A B1 2	211
TC-E 40 1B C1 2	213
TC-E 40 1A B1 4	215
TC-E 40 1B C1 4	217

TC-E 40 1A B1 2

Flange dimensions: 40 mm Rated Output Power: 50 - 100 W Rated Torque: 0,16 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-40-1a-b1-2/>



Specification	
Continuous Stall Torque	0.16 Nm
Peak Torque	0.48 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	0.16 Nm
Nominal Current	0.59 Arms
Nominal Power	0.05 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	1.8 Arms
Continuous Stall current	0.54 Arms
Voltage Constant	18 Vrms/Krpm
Torque Constant	0.3 Nm/Arms
Winding resistance	31 Ω
Winding inductance qu-v	26.4 mH
Winding inductance du-v	24.7 mH
Rotor inertia without holding brake	0.044 kg-cm ²
Rotor inertia with holding brake	0.045 kg-cm ²
Mass without holding brake	0.4 Kg
Mass with holding brake	0.6 Kg
Thermal time constant	10 min
Maximum radial shaft load	85 N
Maximum axial shaft load	40 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 40 1B C1 2

Flange dimensions: 40 mm Rated Output Power: 50 - 100 W Rated Torque: 0,16 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-40-1b-c1-2/>



Specification	
Continuous Stall Torque	0.32 Nm
Peak Torque	0.96 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	0.32 Nm
Nominal Current	0.89 Arms
Nominal Power	0.1 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	2.7 Arms
Continuous Stall current	0.81 Arms
Voltage Constant	24 Vrms/Krpm
Torque Constant	0.4 Nm/Arms
Winding resistance	23.4 Ω
Winding inductance qu-v	21.5 mH
Winding inductance du-v	20.6 mH
Rotor inertia without holding brake	0.065 kg-cm ²
Rotor inertia with holding brake	0.066 kg-cm ²
Mass without holding brake	0.56 Kg
Mass with holding brake	0.77 Kg
Thermal time constant	15 min
Maximum radial shaft load	85 N
Maximum axial shaft load	40 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 40 1A B1 4

Flange dimensions: 40 mm Rated Output Power: 50 - 100 W Rated Torque: 0,16 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-40-1a-b1-4/>



Specification	
Continuous Stall Torque	0.16 Nm
Peak Torque	0.48 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	0.16 Nm
Nominal Current	0.59 Arms
Nominal Power	0.05 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	1.8 Arms
Continuous Stall current	0.54 Arms
Voltage Constant	18 Vrms/Krpm
Torque Constant	0.3 Nm/Arms
Winding resistance	31 Ω
Winding inductance qu-v	26.4 mH
Winding inductance du-v	24.7 mH
Rotor inertia without holding brake	0.044 kg-cm ²
Rotor inertia with holding brake	0.045 kg-cm ²
Mass without holding brake	0.4 Kg
Mass with holding brake	0.6 Kg
Thermal time constant	10 min
Maximum radial shaft load	85 N
Maximum axial shaft load	40 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 40 1B C1 4

Flange dimensions: 40 mm Rated Output Power: 50 - 100 W Rated Torque: 0,16 - 0,32 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-40-1b-c1-4/>



Specification	
Continuous Stall Torque	0.32 Nm
Peak Torque	0.96 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	0.32 Nm
Nominal Current	0.89 Arms
Nominal Power	0.1 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	2.7 Arms
Continuous Stall current	0.81 Arms
Voltage Constant	24 Vrms/Krpm
Torque Constant	0.4 Nm/Arms
Winding resistance	23.4 Ω
Winding inductance qu-v	21.5 mH
Winding inductance du-v	20.6 mH
Rotor inertia without holding brake	0.065 kg·cm ²
Rotor inertia with holding brake	0.066 kg·cm ²
Mass without holding brake	0.56 Kg
Mass with holding brake	0.77 Kg
Thermal time constant	15 min
Maximum radial shaft load	85 N
Maximum axial shaft load	40 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 60

Flange dimensions: 60 mm Rated Output Power: 200 - 400 W Rated
Torque: 0,64 - 1,27 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-60/>



Produkte:

Seite

TC-E 60 2A D3 2	220
TC-E 60 2B D3 2	222
TC-E 60 2A D3 4	224
TC-E 60 2B D3 4	226

TC-E 60 2A D3 2

Flange dimensions: 60 mm Rated Output Power: 200 - 400 W Rated Torque: 0,64 - 1,27 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-60-2a-d3-2/>



Specification	
Continuous Stall Torque	0.64 Nm
Peak Torque	1.92 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	0.64 Nm
Nominal Current	1.3 Arms
Nominal Power	0.2 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	4.5 Arms
Continuous Stall current	1.11 Arms
Voltage Constant	35 Vrms/Krpm
Torque Constant	0.58 Nm/Arms
Winding resistance	12.2 Ω
Winding inductance qu-v	24.8 mH
Winding inductance du-v	22.7 mH
Rotor inertia without holding brake	0.15 kg·cm ²
Rotor inertia with holding brake	0.16 kg·cm ²
Mass without holding brake	1.02 Kg
Mass with holding brake	1.5 Kg
Thermal time constant	15 min
Maximum radial shaft load	200 N
Maximum axial shaft load	70 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 60 2B D3 2

Flange dimensions: 60 mm Rated Output Power: 200 - 400 W Rated Torque: 0,64 - 1,27 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-60-2b-d3-2/>



Specification	
Continuous Stall Torque	1.27 Nm
Peak Torque	3.81 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	1.27 Nm
Nominal Current	2.5 Arms
Nominal Power	0.4 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	7.8 Arms
Continuous Stall current	2.19 Arms
Voltage Constant	35 Vrms/Krpm
Torque Constant	0.58 Nm/Arms
Winding resistance	5.2 Ω
Winding inductance qu-v	12.5 mH
Winding inductance du-v	12 mH
Rotor inertia without holding brake	0.26 kg·cm ²
Rotor inertia with holding brake	0.27 kg·cm ²
Mass without holding brake	1.45 Kg
Mass with holding brake	2 Kg
Thermal time constant	20 min
Maximum radial shaft load	200 N
Maximum axial shaft load	70 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 60 2A D3 4

Flange dimensions: 60 mm Rated Output Power: 200 - 400 W Rated Torque: 0,64 - 1,27 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-60-2a-d3-4/>



Specification	
Continuous Stall Torque	0.64 Nm
Peak Torque	1.92 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	0.64 Nm
Nominal Current	1.3 Arms
Nominal Power	0.2 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	4.5 Arms
Continuous Stall current	1.11 Arms
Voltage Constant	35 Vrms/Krpm
Torque Constant	0.58 Nm/Arms
Winding resistance	12.2 Ω
Winding inductance qu-v	24.8 mH
Winding inductance du-v	22.7 mH
Rotor inertia without holding brake	0.15 kg·cm ²
Rotor inertia with holding brake	0.16 kg·cm ²
Mass without holding brake	1.02 Kg
Mass with holding brake	1.5 Kg
Thermal time constant	15 min
Maximum radial shaft load	200 N
Maximum axial shaft load	70 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 60 2B D3 4

Flange dimensions: 60 mm Rated Output Power: 200 - 400 W Rated Torque: 0,64 - 1,27 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-60-2b-d3-4/>



Specification	
Continuous Stall Torque	1.27 Nm
Peak Torque	3.81 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	1.27 Nm
Nominal Current	2.5 Arms
Nominal Power	0.4 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	7.8 Arms
Continuous Stall current	2.19 Arms
Voltage Constant	35 Vrms/Krpm
Torque Constant	0.58 Nm/Arms
Winding resistance	5.2 Ω
Winding inductance qu-v	12.5 mH
Winding inductance du-v	12 mH
Rotor inertia without holding brake	0.26 kg·cm ²
Rotor inertia with holding brake	0.27 kg·cm ²
Mass without holding brake	1.45 Kg
Mass with holding brake	2 Kg
Thermal time constant	20 min
Maximum radial shaft load	200 N
Maximum axial shaft load	70 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 80

Flange dimensions: 80 mm Rated Output Power: 400 - 750 W Rated
Torque: 1,27 - 2,39 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-80/>



Produkte:

Seite

TC-E 80 3A D2 2	229
TC-E 80 3B D4 2	232
TC-E 80 3A D2 4	235
TC-E 80 3B F3 4	238

TC-E 80 3A D2 2

Flange dimensions: 80 mm Rated Output Power: 400 - 750 W Rated Torque: 1,27 - 2,39 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-80-3a-d2-2/>



Specification	
Continuous Stall Torque	1.27 Nm
Peak Torque	3.81 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	1.27 Nm
Nominal Current	2.52 Arms
Nominal Power	0.4 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	7.8 Arms
Continuous Stall current	2.29 Arms
Voltage Constant	33.5 Vrms/Krpm
Torque Constant	0.55 Nm/Arms
Winding resistance	3.2 Ω
Winding inductance qu-v	12 mH
Winding inductance du-v	11.3 mH
Rotor inertia without holding brake	0.66 kg·cm ²
Rotor inertia with holding brake	0.71 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	2 Kg
Mass with holding brake	2.8 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	25 min
Maximum radial shaft load	332 N
Maximum axial shaft load	115 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 80 3B D4 2

Flange dimensions: 80 mm Rated Output Power: 400 - 750 W Rated Torque: 1,27 - 2,39 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-80-3b-d4-2/>



Specification	
Continuous Stall Torque	2.39 Nm
Peak Torque	7.16 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	2.39 Nm
Nominal Current	4.29 Arms
Nominal Power	0.75 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	13.5 Arms
Continuous Stall current	4.01 Arms
Voltage Constant	36 Vrms/Krpm
Torque Constant	0.6 Nm/Arms
Winding resistance	1.5 Ω
Winding inductance qu-v	6.6 mH
Winding inductance du-v	6.1 mH
Rotor inertia without holding brake	1.18 kg·cm ²
Rotor inertia with holding brake	1.23 kg·cm ²
Rotor high inertia without holding brake	1.53
Rotor high inertia with holding brake	1.58
Mass without holding brake	2.8 Kg
Mass with holding brake	3.6 Kg
High inertia mass without holding brake	2.9

Specification	
High inertia mass with holding brake	3.7
Thermal time constant	28 min
Maximum radial shaft load	332 N
Maximum axial shaft load	115 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 80 3A D2 4

Flange dimensions: 80 mm Rated Output Power: 400 - 750 W Rated Torque: 1,27 - 2,39 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-80-3a-d2-4/>



Specification	
Continuous Stall Torque	1.27 Nm
Peak Torque	3.81 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	1.27 Nm
Nominal Current	2.52 Arms
Nominal Power	0.4 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	7.8 Arms
Continuous Stall current	2.29 Arms
Voltage Constant	33.5 Vrms/Krpm
Torque Constant	0.55 Nm/Arms
Winding resistance	3.2 Ω
Winding inductance qu-v	12 mH
Winding inductance du-v	11.3 mH
Rotor inertia without holding brake	0.66 kg·cm ²
Rotor inertia with holding brake	0.71 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	2 Kg
Mass with holding brake	2.8 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	25 min
Maximum radial shaft load	332 N
Maximum axial shaft load	115 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 80 3B F3 4

Flange dimensions: 80 mm Rated Output Power: 400 - 750 W Rated Torque: 1,27 - 2,39 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-80-3b-f3-4/>



Specification	
Continuous Stall Torque	2.39 Nm
Peak Torque	7.16 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	2.39 Nm
Nominal Current	2.81 Arms
Nominal Power	0.75 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	8.66 Arms
Continuous Stall current	2.63 Arms
Voltage Constant	55 Vrms/Krpm
Torque Constant	0.91 Nm/Arms
Winding resistance	3.5 Ω
Winding inductance qu-v	15.4 mH
Winding inductance du-v	14.2 mH
Rotor inertia without holding brake	1.18 kg·cm ²
Rotor inertia with holding brake	1.23 kg·cm ²
Rotor high inertia without holding brake	1.53
Rotor high inertia with holding brake	1.58
Mass without holding brake	2.8 Kg
Mass with holding brake	3.6 Kg
High inertia mass without holding brake	2.9

Specification	
High inertia mass with holding brake	3.7
Thermal time constant	28 min
Maximum radial shaft load	332 N
Maximum axial shaft load	115 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 100

Flange dimensions: 100 mm Rated Output Power: 1000 - 2000 W
Rated Torque: 3,18 - 6,37 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-100/>



Produkte:

Seite

TC-E 100 4A D1 2	242
TC-E 100 4B D5 2	244
TC-E 100 4A D6 4	246
TC-E 100 4B H3 4	248

TC-E 100 4A D1 2

Flange dimensions: 100 mm Rated Output Power: 1000 - 2000 W
Rated Torque: 3,18 - 6,37 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-100-4a-d1-2/>



Specification	
Continuous Stall Torque	3.18 Nm
Peak Torque	9.54 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	3.18 Nm
Nominal Current	6.64 Arms
Nominal Power	1 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	20 Arms
Continuous Stall current	5.83 Arms
Voltage Constant	33 Vrms/Krpm
Torque Constant	0.55 Nm/Arms
Winding resistance	0.67 Ω
Winding inductance qu-v	4.3 mH
Winding inductance du-v	4.2 mH
Rotor inertia without holding brake	2.39 kg·cm ²
Rotor inertia with holding brake	2.44 kg·cm ²
Mass without holding brake	4.6 Kg
Mass with holding brake	5.1 Kg
Thermal time constant	28 min
Maximum radial shaft load	570 N
Maximum axial shaft load	155 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 100 4B D5 2

Flange dimensions: 100 mm Rated Output Power: 1000 - 2000 W
Rated Torque: 3,18 - 6,37 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-100-4b-d5-2/>



Specification	
Continuous Stall Torque	6.37 Nm
Peak Torque	19.11 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	6.37 Nm
Nominal Current	10.27 Arms
Nominal Power	2 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	35 Arms
Continuous Stall current	9.87 Arms
Voltage Constant	39 Vrms/Krpm
Torque Constant	0.65 Nm/Arms
Winding resistance	0.36 Ω
Winding inductance qu-v	2.6 mH
Winding inductance du-v	2.59 mH
Rotor inertia without holding brake	4.27 kg·cm ²
Rotor inertia with holding brake	4.34 kg·cm ²
Mass without holding brake	6.7 Kg
Mass with holding brake	7.2 Kg
Thermal time constant	30 min
Maximum radial shaft load	570 N
Maximum axial shaft load	155 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 100 4A D6 4

Flange dimensions: 100 mm Rated Output Power: 1000 - 2000 W
Rated Torque: 3,18 - 6,37 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-100-4a-d6-4/>



Specification	
Continuous Stall Torque	3.18 Nm
Peak Torque	9.54 Nm
Nominal working Speed	3000 rpm
Maximum working speed	6000 rpm
Nominal Torque	3.18 Nm
Nominal Current	5.77 Arms
Nominal Power	1 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	16.4 Arms
Continuous Stall current	5.06 Arms
Voltage Constant	38 Vrms/Krpm
Torque Constant	0.63 Nm/Arms
Winding resistance	0.89 Ω
Winding inductance qu-v	5.7 mH
Winding inductance du-v	5.6 mH
Rotor inertia without holding brake	2.39 kg·cm ²
Rotor inertia with holding brake	2.44 kg·cm ²
Mass without holding brake	4.6 Kg
Mass with holding brake	5.1 Kg
Thermal time constant	28 min
Maximum radial shaft load	570 N
Maximum axial shaft load	155 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 100 4B H3 4

Flange dimensions: 100 mm Rated Output Power: 1000 - 2000 W
Rated Torque: 3,18 - 6,37 Nm Rated Speed: 3000 rpm



<https://www.kocomotion.de/produkt/tc-e-100-4b-h3-4/>



Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130/>



Produkte:	Seite
TC-E 130 5A F1 2	251
TC-E 130 5B L1 2	254
TC-E 130 5C F1 2	257
TC-E 130 5D F4 2	260
TC-E 130 5E L1 2	263
TC-E 130 5F L1 2	266
TC-E 130 5G H1 2	269
TC-E 130 5H F4 2	272
TC-E 130 5A F1 4	275
TC-E 130 5B L1 4	278
TC-E 130 5C F1 4	281
TC-E 130 5D F4 4	284
TC-E 130 5D L3 4	287
TC-E 130 5E L1 4	290
TC-E 130 5F L1 4	293
TC-E 130 5G H1 4	296
TC-E 130 5H F4 4	299

TC-E 130 5A F1 2

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5a-f1-2/>



Specification	
Continuous Stall Torque	2.39 Nm
Peak Torque	7.16 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	2.39 Nm
Nominal Current	3.24 Arms
Nominal Power	0.5 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	9.5 Arms
Continuous Stall current	2.89 Arms
Voltage Constant	50 Vrms/Krpm
Torque Constant	0.83 Nm/Arms
Winding resistance	0.74 Ω
Winding inductance qu-v	7.84 mH
Winding inductance du-v	7.14 mH
Rotor inertia without holding brake	6.62 kg·cm ²
Rotor inertia with holding brake	6.9 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7 Kg
Mass with holding brake	8.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	30 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5B L1 2

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5b-l1-2/>



Specification	
Continuous Stall Torque	2.86 Nm
Peak Torque	8.59 Nm
Nominal working Speed	1000 rpm
Maximum working speed	2000 rpm
Nominal Torque	2.86 Nm
Nominal Current	2.09 Arms
Nominal Power	0.3 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	6 Arms
Continuous Stall current	1.88 Arms
Voltage Constant	92 Vrms/Krpm
Torque Constant	1.52 Nm/Arms
Winding resistance	2.08 Ω
Winding inductance qu-v	26.25 mH
Winding inductance du-v	23.91 mH
Rotor inertia without holding brake	6.62 kg·cm ²
Rotor inertia with holding brake	6.9 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7 Kg
Mass with holding brake	8.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	30 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5C F1 2

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5c-f1-2/>



Specification	
Continuous Stall Torque	4.77 Nm
Peak Torque	14.3 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	4.77 Nm
Nominal Current	6.29 Arms
Nominal Power	1 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	20 Arms
Continuous Stall current	5.77 Arms
Voltage Constant	50 Vrms/Krpm
Torque Constant	0.83 Nm/Arms
Winding resistance	0.74 Ω
Winding inductance qu-v	7.84 mH
Winding inductance du-v	7.14 mH
Rotor inertia without holding brake	6.62 kg·cm ²
Rotor inertia with holding brake	6.9 kg·cm ²
Rotor high inertia without holding brake	8.4
Rotor high inertia with holding brake	8.53
Mass without holding brake	7 Kg
Mass with holding brake	8.2 Kg
High inertia mass without holding brake	7.1

Specification	
High inertia mass with holding brake	8.3
Thermal time constant	33 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5D F4 2

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W

Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5d-f4-2/>



Specification	
Continuous Stall Torque	5.39 Nm
Peak Torque	13.8 Nm
Nominal working Speed	1500 rpm
Maximum working speed	3000 rpm
Nominal Torque	5.39 Nm
Nominal Current	6.29 Arms
Nominal Power	0.85 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	15 Arms
Continuous Stall current	5.62 Arms
Voltage Constant	58 Vrms/Krpm
Torque Constant	0.96 Nm/Arms
Winding resistance	0.42 Ω
Winding inductance qu-v	4.7 mH
Winding inductance du-v	4.3 mH
Rotor inertia without holding brake	13.49 kg·cm ²
Rotor inertia with holding brake	14.09 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	9.6 Kg
Mass with holding brake	10.9 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5E L1 2

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5e-l1-2/>



Specification	
Continuous Stall Torque	5.73 Nm
Peak Torque	17.19 Nm
Nominal working Speed	1000 rpm
Maximum working speed	2000 rpm
Nominal Torque	5.73 Nm
Nominal Current	4.1 Arms
Nominal Power	0.6 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	13.5 Arms
Continuous Stall current	3.77 Arms
Voltage Constant	92 Vrms/Krpm
Torque Constant	1.52 Nm/Arms
Winding resistance	2.08 Ω
Winding inductance qu-v	26.25 mH
Winding inductance du-v	23.91 mH
Rotor inertia without holding brake	6.62 kg·cm ²
Rotor inertia with holding brake	6.9 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7 Kg
Mass with holding brake	8.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	33 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5F L1 2

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5f-l1-2/>



Specification	
Continuous Stall Torque	8.59 Nm
Peak Torque	25.77 Nm
Nominal working Speed	1000 rpm
Maximum working speed	2000 rpm
Nominal Torque	8.59 Nm
Nominal Current	6.15 Arms
Nominal Power	0.9 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	20 Arms
Continuous Stall current	5.64 Arms
Voltage Constant	92 Vrms/Krpm
Torque Constant	1.52 Nm/Arms
Winding resistance	1.22 Ω
Winding inductance qu-v	16.4 mH
Winding inductance du-v	14.9 mH
Rotor inertia without holding brake	9.69 kg·cm ²
Rotor inertia with holding brake	9.99 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7.6 Kg
Mass with holding brake	8.8 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5G H1 2

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5g-h1-2/>



Specification	
Continuous Stall Torque	7.16 Nm
Peak Torque	21.48 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	7.16 Nm
Nominal Current	6.74 Arms
Nominal Power	1.5 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	21 Arms
Continuous Stall current	6.18 Arms
Voltage Constant	70 Vrms/Krpm
Torque Constant	1.16 Nm/Arms
Winding resistance	0.64 Ω
Winding inductance qu-v	7.2 mH
Winding inductance du-v	6.4 mH
Rotor inertia without holding brake	9.69 kg·cm ²
Rotor inertia with holding brake	9.99 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7.6 Kg
Mass with holding brake	8.8 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5H F4 2

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W

Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5h-f4-2/>



Specification	
Continuous Stall Torque	9.55 Nm
Peak Torque	28.65 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	9.55 Nm
Nominal Current	11.25 Arms
Nominal Power	2 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	33 Arms
Continuous Stall current	9.95 Arms
Voltage Constant	58 Vrms/Krpm
Torque Constant	0.96 Nm/Arms
Winding resistance	0.42 Ω
Winding inductance qu-v	4.7 mH
Winding inductance du-v	4.3 mH
Rotor inertia without holding brake	13.49 kg·cm ²
Rotor inertia with holding brake	14.09 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	9.7 Kg
Mass with holding brake	11 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5A F1 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W

Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5a-f1-4/>



Specification	
Continuous Stall Torque	2.39 Nm
Peak Torque	7.16 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	2.39 Nm
Nominal Current	3.24 Arms
Nominal Power	0.5 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	9.5 Arms
Continuous Stall current	2.89 Arms
Voltage Constant	50 Vrms/Krpm
Torque Constant	0.83 Nm/Arms
Winding resistance	0.74 Ω
Winding inductance qu-v	7.84 mH
Winding inductance du-v	7.14 mH
Rotor inertia without holding brake	6.62 kg·cm ²
Rotor inertia with holding brake	6.9 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7 Kg
Mass with holding brake	8.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	30 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5B L1 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W

Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5b-l1-4/>



Specification	
Continuous Stall Torque	2.86 Nm
Peak Torque	8.59 Nm
Nominal working Speed	1000 rpm
Maximum working speed	2000 rpm
Nominal Torque	2.86 Nm
Nominal Current	2.09 Arms
Nominal Power	0.3 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	6 Arms
Continuous Stall current	1.88 Arms
Voltage Constant	92 Vrms/Krpm
Torque Constant	1.52 Nm/Arms
Winding resistance	2.08 Ω
Winding inductance qu-v	26.25 mH
Winding inductance du-v	23.91 mH
Rotor inertia without holding brake	6.62 kg·cm ²
Rotor inertia with holding brake	6.9 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7 Kg
Mass with holding brake	8.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	30 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5C F1 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5c-f1-4/>



Specification	
Continuous Stall Torque	4.77 Nm
Peak Torque	14.3 Nm
Nominal working Speed	2000 rpm
Maximum working speed	4000 rpm
Nominal Torque	4.77 Nm
Nominal Current	6.29 Arms
Nominal Power	1 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	20 Arms
Continuous Stall current	5.77 Arms
Voltage Constant	50 Vrms/Krpm
Torque Constant	0.83 Nm/Arms
Winding resistance	0.74 Ω
Winding inductance qu-v	7.84 mH
Winding inductance du-v	7.14 mH
Rotor inertia without holding brake	6.62 kg·cm ²
Rotor inertia with holding brake	6.9 kg·cm ²
Rotor high inertia without holding brake	8.4
Rotor high inertia with holding brake	8.53
Mass without holding brake	7 Kg
Mass with holding brake	8.2 Kg
High inertia mass without holding brake	7.1

Specification	
High inertia mass with holding brake	8.2
Thermal time constant	33 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5D F4 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W

Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5d-f4-4/>



Specification	
Continuous Stall Torque	5.39 Nm
Peak Torque	13.8 Nm
Nominal working Speed	1500 rpm
Maximum working speed	3000 rpm
Nominal Torque	5.39 Nm
Nominal Current	6.29 Arms
Nominal Power	0.85 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	15 Arms
Continuous Stall current	5.62 Arms
Voltage Constant	58 Vrms/Krpm
Torque Constant	0.96 Nm/Arms
Winding resistance	0.42 Ω
Winding inductance qu-v	4.7 mH
Winding inductance du-v	4.3 mH
Rotor inertia without holding brake	13.49 kg-cm ²
Rotor inertia with holding brake	14.09 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	9.6 Kg
Mass with holding brake	10.9 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5D L3 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W

Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5d-l3-4/>



Specification	
Continuous Stall Torque	5.39 Nm
Peak Torque	13.8 Nm
Nominal working Speed	1500 rpm
Maximum working speed	3000 rpm
Nominal Torque	5.39 Nm
Nominal Current	2.95 Arms
Nominal Power	0.85 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	7 Arms
Continuous Stall current	2.63 Arms
Voltage Constant	129 Vrms/Krpm
Torque Constant	2.13 Nm/Arms
Winding resistance	1.78 Ω
Winding inductance qu-v	21.19 mH
Winding inductance du-v	19.25 mH
Rotor inertia without holding brake	13.49 kg·cm ²
Rotor inertia with holding brake	14.09 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	9.6 Kg
Mass with holding brake	10.9 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5E L1 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5e-l1-4/>



Specification	
Continuous Stall Torque	5.73 Nm
Peak Torque	17.19 Nm
Nominal working Speed	1000 rpm
Maximum working speed	2000 rpm
Nominal Torque	5.73 Nm
Nominal Current	4.1 Arms
Nominal Power	0.6 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	13.5 Arms
Continuous Stall current	3.77 Arms
Voltage Constant	92 Vrms/Krpm
Torque Constant	1.52 Nm/Arms
Winding resistance	2.08 Ω
Winding inductance qu-v	26.25 mH
Winding inductance du-v	23.91 mH
Rotor inertia without holding brake	6.62 kg·cm ²
Rotor inertia with holding brake	6.9 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7 Kg
Mass with holding brake	8.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	33 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5F L1 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5f-l1-4/>



Specification	
Continuous Stall Torque	8.59 Nm
Peak Torque	25.77 Nm
Nominal working Speed	1000 rpm
Maximum working speed	2000 rpm
Nominal Torque	8.59 Nm
Nominal Current	6.15 Arms
Nominal Power	0.9 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	20 Arms
Continuous Stall current	5.64 Arms
Voltage Constant	92 Vrms/Krpm
Torque Constant	1.52 Nm/Arms
Winding resistance	1.22 Ω
Winding inductance qu-v	16.4 mH
Winding inductance du-v	14.9 mH
Rotor inertia without holding brake	9.69 kg·cm ²
Rotor inertia with holding brake	9.99 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7.6 Kg
Mass with holding brake	8.8 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5G H1 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W
Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5g-h1-4/>



Specification	
Continuous Stall Torque	7.16 Nm
Peak Torque	21.48 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	7.16 Nm
Nominal Current	6.74 Arms
Nominal Power	1.5 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	21 Arms
Continuous Stall current	6.18 Arms
Voltage Constant	70 Vrms/Krpm
Torque Constant	1.16 Nm/Arms
Winding resistance	0.64 Ω
Winding inductance qu-v	7.2 mH
Winding inductance du-v	6.4 mH
Rotor inertia without holding brake	9.69 kg·cm ²
Rotor inertia with holding brake	9.99 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	7.6 Kg
Mass with holding brake	8.8 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 130 5H F4 4

Flange dimensions: 130 mm Rated Output Power: 500 - 2000 W

Rated Torque: 2,39 - 9,55 Nm



<https://www.kocomotion.de/produkt/tc-e-130-5h-f4-4/>



Specification	
Continuous Stall Torque	9.55 Nm
Peak Torque	28.65 Nm
Nominal working Speed	2000 rpm
Maximum working speed	5000 rpm
Nominal Torque	9.55 Nm
Nominal Current	11.25 Arms
Nominal Power	2 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	33 Arms
Continuous Stall current	9.95 Arms
Voltage Constant	58 Vrms/Krpm
Torque Constant	0.96 Nm/Arms
Winding resistance	0.42 Ω
Winding inductance qu-v	4.7 mH
Winding inductance du-v	4.3 mH
Rotor inertia without holding brake	13.49 kg-cm ²
Rotor inertia with holding brake	14.09 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	9.7 Kg
Mass with holding brake	11 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	670 N
Maximum axial shaft load	200 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180/>



Produkte:	Seite
TC-E 180 6A G2 2	303
TC-E 180 6B F2 2	306
TC-E 180 6C H1 2	309
TC-E 180 6D E2 2	312
TC-E 180 6E G1 2	315
TC-E 180 6F G5 2	318
TC-E 180 6G G4 2	321
TC-E 180 6A G3 4	324
TC-E 180 6B F2 4	327
TC-E 180 6C H1 4	330
TC-E 180 6D E2 4	333
TC-E 180 6E G1 4	336
TC-E 180 6F G5 4	339
TC-E 180 6F M1 4	342
TC-E 180 6G G4 4	345
TC-E 180 6G L2 4	348

TC-E 180 6A G2 2

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6a-g2-2/>



Specification	
Continuous Stall Torque	9.55 Nm
Peak Torque	28.65 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	9.55 Nm
Nominal Current	9.6 Arms
Nominal Power	2 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	35.5 Arms
Continuous Stall current	8.75 Arms
Voltage Constant	66 Vrms/Krpm
Torque Constant	1.09 Nm/Arms
Winding resistance	0.572 Ω
Winding inductance qu-v	6.7 mH
Winding inductance du-v	6.1 mH
Rotor inertia without holding brake	26.49 kg-cm ²
Rotor inertia with holding brake	26.99 kg-cm ²
Rotor high inertia without holding brake	34.67
Rotor high inertia with holding brake	35.12
Mass without holding brake	13 Kg
Mass with holding brake	18 Kg
High inertia mass without holding brake	14.3

Specification	
High inertia mass with holding brake	19.3
Thermal time constant	35 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	497 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6B F2 2

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6b-f2-2/>



Specification	
Continuous Stall Torque	14.32 Nm
Peak Torque	42.97 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	14.32 Nm
Nominal Current	18.8 Arms
Nominal Power	3 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	56 Arms
Continuous Stall current	16.33 Arms
Voltage Constant	53 Vrms/Krpm
Torque Constant	0.88 Nm/Arms
Winding resistance	0.168 Ω
Winding inductance qu-v	2.88 mH
Winding inductance du-v	2.71 mH
Rotor inertia without holding brake	53.55 kg-cm ²
Rotor inertia with holding brake	54.09 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	18.5 Kg
Mass with holding brake	23 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	38 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	497 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6C H1 2

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6c-h1-2/>



Specification	
Continuous Stall Torque	19.1 Nm
Peak Torque	57.29 Nm
Nominal working Speed	1500 rpm
Maximum working speed	3000 rpm
Nominal Torque	19.1 Nm
Nominal Current	18.8 Arms
Nominal Power	3 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	61 Arms
Continuous Stall current	16.49 Arms
Voltage Constant	70 Vrms/Krpm
Torque Constant	1.16 Nm/Arms
Winding resistance	0.234 Ω
Winding inductance qu-v	3.78 mH
Winding inductance du-v	3.45 mH
Rotor inertia without holding brake	53.55 kg·cm ²
Rotor inertia with holding brake	54.09 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	18.5 Kg
Mass with holding brake	23 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	38 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	497 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6D E2 2

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6d-e2-2/>



Specification	
Continuous Stall Torque	16.7 Nm
Peak Torque	50.3 Nm
Nominal working Speed	2000 rpm
Maximum working speed	3000 rpm
Nominal Torque	16.7 Nm
Nominal Current	19.3 Arms
Nominal Power	3.5 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	61 Arms
Continuous Stall current	16.83 Arms
Voltage Constant	60 Vrms/Krpm
Torque Constant	0.99 Nm/Arms
Winding resistance	0.168 Ω
Winding inductance qu-v	2.8 mH
Winding inductance du-v	2.57 mH
Rotor inertia without holding brake	53.55 kg·cm ²
Rotor inertia with holding brake	54.09 kg·cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	18.5 Kg
Mass with holding brake	23 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	38 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	497 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6E G1 2

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6e-g1-2/>



Specification	
Continuous Stall Torque	28.65 Nm
Peak Torque	71.62 Nm
Nominal working Speed	1500 rpm
Maximum working speed	2500 rpm
Nominal Torque	28.65 Nm
Nominal Current	22.8 Arms
Nominal Power	4.5 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	61 Arms
Continuous Stall current	19.68 Arms
Voltage Constant	88 Vrms/Krpm
Torque Constant	1.46 Nm/Arms
Winding resistance	0.199 Ω
Winding inductance qu-v	4 mH
Winding inductance du-v	3.8 mH
Rotor inertia without holding brake	73.31 kg-cm ²
Rotor inertia with holding brake	73.99 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	23.64 Kg
Mass with holding brake	28 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	40 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	49.7 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6F G5 2

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W

Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6f-g5-2/>



Specification	
Continuous Stall Torque	35 Nm
Peak Torque	87.53 Nm
Nominal working Speed	1500 rpm
Maximum working speed	2600 rpm
Nominal Torque	35 Nm
Nominal Current	28.8 Arms
Nominal Power	5.5 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	74.2 Arms
Continuous Stall current	25.05 Arms
Voltage Constant	84.5 Vrms/Krpm
Torque Constant	1.4 Nm/Arms
Winding resistance	0.104 Ω
Winding inductance qu-v	2.25 mH
Winding inductance du-v	2.07 mH
Rotor inertia without holding brake	103.33 kg-cm ²
Rotor inertia with holding brake	120.19 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	32 Kg
Mass with holding brake	36.5 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	50 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	49.7 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6G G4 2

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6g-g4-2/>



Specification	
Continuous Stall Torque	47.75 Nm
Peak Torque	119.37 Nm
Nominal working Speed	1500 rpm
Maximum working speed	2700 rpm
Nominal Torque	47.75 Nm
Nominal Current	41.5 Arms
Nominal Power	7.5 kW
Rated winding voltage	230 Vac
Maximum winding voltage	360 Vdc
Maximum voltage to ground	255 Vac
Maximum current	106.9 Arms
Continuous Stall current	36.08 Arms
Voltage Constant	80 Vrms/Krpm
Torque Constant	1.32 Nm/Arms
Winding resistance	0.062 Ω
Winding inductance qu-v	1.3 mH
Winding inductance du-v	1.22 mH
Rotor inertia without holding brake	142.69 kg-cm ²
Rotor inertia with holding brake	158.69 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	41.7 Kg
Mass with holding brake	46.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	60 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	49.7 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6A G3 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6a-g3-4/>



Specification	
Continuous Stall Torque	9.55 Nm
Peak Torque	28.65 Nm
Nominal working Speed	2000 rpm
Maximum working speed	4000 rpm
Nominal Torque	9.55 Nm
Nominal Current	7.5 Arms
Nominal Power	2 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	23 Arms
Continuous Stall current	6.79 Arms
Voltage Constant	85 Vrms/Krpm
Torque Constant	1.41 Nm/Arms
Winding resistance	1.156 Ω
Winding inductance qu-v	13.44 mH
Winding inductance du-v	12.21 mH
Rotor inertia without holding brake	26.49 kg-cm ²
Rotor inertia with holding brake	26.99 kg-cm ²
Rotor high inertia without holding brake	34.67
Rotor high inertia with holding brake	35.12
Mass without holding brake	13 Kg
Mass with holding brake	18 Kg
High inertia mass without holding brake	14.3

Specification	
High inertia mass with holding brake	19.3
Thermal time constant	35 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	497 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6B F2 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6b-f2-4/>



Specification	
Continuous Stall Torque	14.32 Nm
Peak Torque	42.97 Nm
Nominal working Speed	2000 rpm
Maximum working speed	4000 rpm
Nominal Torque	14.32 Nm
Nominal Current	18.8 Arms
Nominal Power	3 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	56 Arms
Continuous Stall current	16.33 Arms
Voltage Constant	53 Vrms/Krpm
Torque Constant	0.88 Nm/Arms
Winding resistance	0.168 Ω
Winding inductance qu-v	2.88 mH
Winding inductance du-v	2.71 mH
Rotor inertia without holding brake	53.55 kg-cm ²
Rotor inertia with holding brake	54.09 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	18.5 Kg
Mass with holding brake	23 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	497 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6C H1 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6c-h1-4/>



Specification	
Continuous Stall Torque	19.1 Nm
Peak Torque	57.29 Nm
Nominal working Speed	1500 rpm
Maximum working speed	4000 rpm
Nominal Torque	19.1 Nm
Nominal Current	18.8 Arms
Nominal Power	3 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	61 Arms
Continuous Stall current	16.49 Arms
Voltage Constant	70 Vrms/Krpm
Torque Constant	1.16 Nm/Arms
Winding resistance	0.234 Ω
Winding inductance qu-v	3.78 mH
Winding inductance du-v	3.45 mH
Rotor inertia without holding brake	53.55 kg-cm ²
Rotor inertia with holding brake	54.09 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	18.5 Kg
Mass with holding brake	23 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	35 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	497 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6D E2 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6d-e2-4/>



Specification	
Continuous Stall Torque	16.7 Nm
Peak Torque	50.3 Nm
Nominal working Speed	2000 rpm
Maximum working speed	4000 rpm
Nominal Torque	16.7 Nm
Nominal Current	19.3 Arms
Nominal Power	3.5 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	61 Arms
Continuous Stall current	16.83 Arms
Voltage Constant	60 Vrms/Krpm
Torque Constant	0.99 Nm/Arms
Winding resistance	0.168 Ω
Winding inductance qu-v	2.8 mH
Winding inductance du-v	2.57 mH
Rotor inertia without holding brake	53.55 kg-cm ²
Rotor inertia with holding brake	54.09 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	18.5 Kg
Mass with holding brake	23 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	38 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	497 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6E G1 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6e-g1-4/>



Specification	
Continuous Stall Torque	28.65 Nm
Peak Torque	71.62 Nm
Nominal working Speed	1500 rpm
Maximum working speed	4000 rpm
Nominal Torque	28.65 Nm
Nominal Current	22.8 Arms
Nominal Power	4.5 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	61 Arms
Continuous Stall current	19.68 Arms
Voltage Constant	88 Vrms/Krpm
Torque Constant	1.46 Nm/Arms
Winding resistance	0.199 Ω
Winding inductance qu-v	4 mH
Winding inductance du-v	3.8 mH
Rotor inertia without holding brake	73.31 kg-cm ²
Rotor inertia with holding brake	73.99 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	23.64 Kg
Mass with holding brake	28 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	40 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	49.7 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6F G5 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W

Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6f-g5-4/>



Specification	
Continuous Stall Torque	35 Nm
Peak Torque	87.53 Nm
Nominal working Speed	1500 rpm
Maximum working speed	4000 rpm
Nominal Torque	35 Nm
Nominal Current	28.8 Arms
Nominal Power	5.5 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	74.2 Arms
Continuous Stall current	25.05 Arms
Voltage Constant	84.5 Vrms/Krpm
Torque Constant	1.4 Nm/Arms
Winding resistance	0.104 Ω
Winding inductance qu-v	2.25 mH
Winding inductance du-v	2.07 mH
Rotor inertia without holding brake	130.33 kg-cm ²
Rotor inertia with holding brake	120.19 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	32 Kg
Mass with holding brake	36.5 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	50 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	49.7 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6F M1 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6f-m1-4/>



Specification	
Continuous Stall Torque	35 Nm
Peak Torque	87.53 Nm
Nominal working Speed	1500 rpm
Maximum working speed	3100 rpm
Nominal Torque	35 Nm
Nominal Current	18.8 Arms
Nominal Power	5.5 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	48.3 Arms
Continuous Stall current	16.3 Arms
Voltage Constant	130 Vrms/Krpm
Torque Constant	2.15 Nm/Arms
Winding resistance	0.25 Ω
Winding inductance qu-v	5.3 mH
Winding inductance du-v	4.9 mH
Rotor inertia without holding brake	103.33 kg-cm ²
Rotor inertia with holding brake	120.19 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	32 Kg
Mass with holding brake	36.5 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	50 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	49.7 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6G G4 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W
Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6g-g4-4/>



Specification	
Continuous Stall Torque	47.75 Nm
Peak Torque	140 Nm
Nominal working Speed	1500 rpm
Maximum working speed	4000 rpm
Nominal Torque	47.75 Nm
Nominal Current	41.5 Arms
Nominal Power	7.5 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	129 Arms
Continuous Stall current	36.08 Arms
Voltage Constant	80 Vrms/Krpm
Torque Constant	1.32 Nm/Arms
Winding resistance	0.062 Ω
Winding inductance qu-v	1.3 mH
Winding inductance du-v	1.22 mH
Rotor inertia without holding brake	142.69 kg-cm ²
Rotor inertia with holding brake	158.69 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	41.7 Kg
Mass with holding brake	46.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	60 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	49.7 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

TC-E 180 6G L2 4

Flange dimensions: 180 mm Rated Output Power: 2000 - 7500 W

Rated Torque: 9,55 - 47,75 Nm



<https://www.kocomotion.de/produkt/tc-e-180-6g-l2-4/>



Specification	
Continuous Stall Torque	47.75 Nm
Peak Torque	140 Nm
Nominal working Speed	1500 rpm
Maximum working speed	3500 rpm
Nominal Torque	47.75 Nm
Nominal Current	28.4 Arms
Nominal Power	7.5 kW
Rated winding voltage	400 Vac
Maximum winding voltage	650 Vdc
Maximum voltage to ground	265 Vac
Maximum current	88.4 Arms
Continuous Stall current	27.48 Arms
Voltage Constant	110 Vrms/Krpm
Torque Constant	1.82 Nm/Arms
Winding resistance	0.115 Ω
Winding inductance qu-v	2.8 mH
Winding inductance du-v	2.63 mH
Rotor inertia without holding brake	142.69 kg-cm ²
Rotor inertia with holding brake	158.69 kg-cm ²
Rotor high inertia without holding brake	-
Rotor high inertia with holding brake	-
Mass without holding brake	41.7 Kg
Mass with holding brake	46.2 Kg
High inertia mass without holding brake	-

Specification	
High inertia mass with holding brake	-
Thermal time constant	60 min
Maximum radial shaft load	1200 N
Maximum axial shaft load	49.7 N

Optionen

Feedback

- E1 - Encoder TTL 2500ppr, E1 and A6 not available for TC-E 40 models
- A1 - Absolute multiturn encoder (Hiperface)
- A2 - Proprietary 20 bit absolute encoder
- A6 - Absolute multiturn encode (with battery box) 24 bit - not available for TC-E 40 models

Mechanical Arrangement

- 0 - Smooth shaft 4
- 1 - Smooth shaft + oil seal
- 2 - Keyed shaft
- 3 - Keyed shaft + oil seal
- 4 - High inertia smooth shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 5 - High inertia smooth shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 6 - High inertia keyed shaft, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only
- 7 - High inertia keyed shaft + oil seal, not available for models TC-E 80 3B D4 2, TC-E 80 3B F3 4, TC-E 130 5C F1 2, TC-E 130 5C F1 4, TC-E 180 6A G2 2, TC-E 180 6A G3 4 only

Brake

- 0 = without brake
- 1 = with brake

Connection

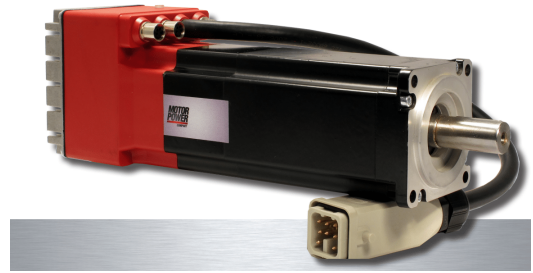
- D0 - 300mm output cable lenght with plastic connector (TC-E 40, 60, 80)
- C2 - 90° M23 turnable connectors (TC-E 60, 80, 100, 130, 180 models 6A, 6B, 6C, 6D)
- C3 - MS connectors (TC-E 100, 130, 180)

DUET 40

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W
Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm
Fieldbus: CanOpen



<https://www.kocomotion.de/produkt/duet-40/>



Produkte:

Seite

DUET 40 0,16 00

352

DUET 40 0,32 01

354

DUET 40 0,16 00

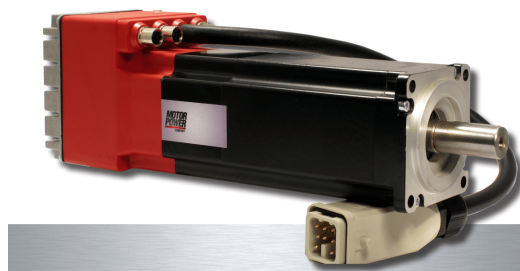
Flange dimensions: 40 mm Rated Output Power: 60 - 100 W

Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm

Fieldbus: CanOpen



<https://www.kocomotion.de/produkt/duet-40-016-00/>



Specification	
Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	9 Vdc
Maximum Voltage	60 Vdc
Stall Torque	0.21 Nm
Peak Torque	0.48 Nm
Rated Torque	0.19 Nm
Rated Output Power	60 W
Stall Current	2.84 Arms
Peak Current	6.5 Arms
Rated Current	2.6 Arms
Rated Speed @48Vdc	3000 rpm
Maximum Speed @48Vdc	5000 rpm
Maximum Speed @24Vdc	3200 rpm
Torque Constant ($\pm 5\%$)	0.074 Nm/Arms
Voltage Constant ($\pm 5\%$)	4.5 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	1.77 Ω
Phase/phase inductance ($\pm 10\%$)	1.6 mH
Electrical time constant	0.9 ms
Thermal Resistance	2.38 °C/W
Mechanical time constant	1.3 ms
Rotor Inertia without brake and without feedback	0.027 kg-cm ²
Duet weight	0.55 Kg
Duet weight with brake	0.7 Kg

Specification	
Axial Load applied on the shaft's center	30 N
Radial Load applied on the shaft's center	180 N

Optionen

Feedback

- E1 = 4096 cpr incremental encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C=CanOpen

Mechanical Arrangement

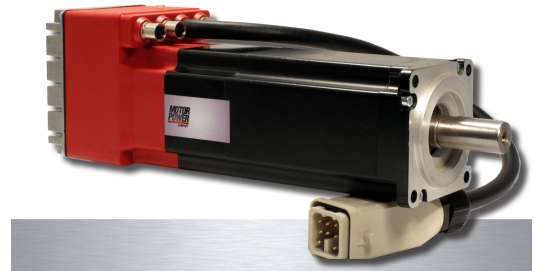
- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET 40 0,32 01

Flange dimensions: 40 mm Rated Output Power: 60 - 100 W
 Rated Torque: 0,19 - 0,32 Nm Rated Speed: 3000 rpm
 Fieldbus: CanOpen



<https://www.kocomotion.de/produkt/duet-40-032-01/>



Specification

Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	9 Vdc
Maximum Voltage	60 Vdc
Stall Torque	0.34 Nm
Peak Torque	0.96 Nm
Rated Torque	0.32 Nm
Rated Output Power	100 W
Stall Current	3.6 Arms
Peak Current	10.2 Arms
Rated Current	3.5 Arms
Rated Speed @48Vdc	3000 rpm
Maximum Speed @48Vdc	5000 rpm
Maximum Speed @24Vdc	2600 rpm
Torque Constant ($\pm 5\%$)	0.094 Nm/Arms
Voltage Constant ($\pm 5\%$)	5.7 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	1 Ω
Phase/phase inductance ($\pm 10\%$)	1.42 mH
Electrical time constant	1.4 ms
Thermal Resistance	2.3 °C/W
Mechanical time constant	0.8 ms
Rotor Inertia without brake and without feedback	0.047 kg-cm ²
Duet weight	0.7 Kg
Duet weight with brake	0.85 Kg

Specification	
Axial Load applied on the shaft's center	30 N
Radial Load applied on the shaft's center	180 N

Optionen

Feedback

- E1 = 4096 cpr incremental encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C=CanOpen

Mechanical Arrangement

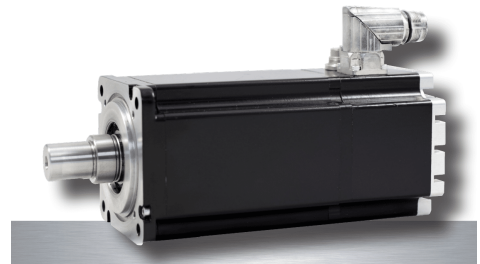
- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET AD 80

Flange dimensions: 80 mm Rated Output Power: 480 - 630 W
Rated Torque: 1,53 - 2,0 Nm Rated Speed: 3000 rpm Fieldbus:
CanOpen/Modbus RTUY 485/Ethercat/Profinet



<https://www.kocomotion.de/produkt/duet-ad-80/>



Produkte:

Seite

DUET AD 80 1,5 03

357

DUET AD 80 2,8 02

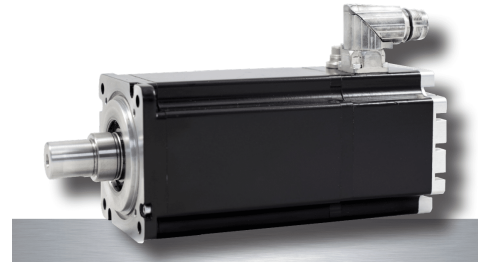
359

DUET AD 80 1,5 03

Flange dimensions: 80 mm Rated Output Power: 480 - 630 W
 Rated Torque: 1,53 - 2,0 Nm Rated Speed: 3000 rpm Fieldbus:
 CanOpen/Modbus RTUY 485/Ethercat/Profinet



<https://www.kocomotion.de/produkt/duet-ad-80-15-03/>



Specification	
Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	40 Vdc
Maximum Voltage	48 Vdc
Stall Torque	1.74 Nm
Peak Torque	4.5 Nm
Rated Torque	1.53 Nm
Rated Output Power	480 W
Stall Current	12.3 Arms
Peak Current	35.1 Arms
Rated Current	11 Arms
Rated Speed @48Vdc	3000 rpm
Maximum Speed @48Vdc	4500 rpm
Torque Constant ($\pm 5\%$)	0.141 Nm/Arms
Voltage Constant ($\pm 5\%$)	8.5 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	0.136 Ω

Optionen

Feedback

- E6 = 14 Bit absolute singleturn encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C = CanOpen
- D = Modbus RTU
- E = Ethercat
- P = Profinet

Mechanical Arrangement

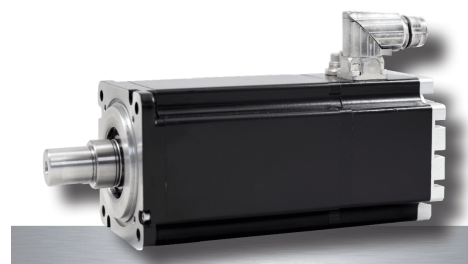
- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET AD 80 2,8 02

Flange dimensions: 80 mm Rated Output Power: 480 - 630 W
 Rated Torque: 1,53 - 2,0 Nm Rated Speed: 3000 rpm Fieldbus:
 CanOpen/Modbus RTUY 485/Ethercat/Profinet



<https://www.kocomotion.de/produkt/duet-ad-80-28-02/>



Specification	
Phase/phase inductance ($\pm 10\%$)	0.24 mH
Electrical time constant	3.75 ms
Thermal Resistance	1.4 °C/W
Mechanical time constant	0.65 ms
Rotor Inertia without brake and without feedback	1.16 kg·cm ²
Duet weight	3.3 Kg
Duet weight with brake	4 Kg
Axial Load applied on the shaft's center	110 N
Radial Load applied on the shaft's center	350 N
Rated Voltage	48 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	40 Vdc
Maximum Voltage	48 Vdc
Stall Torque	2.22 Nm
Peak Torque	5.36 Nm
Rated Torque	2 Nm
Rated Output Power	630 W
Stall Current	19.65 Arms
Peak Current	50 Arms
Rated Current	17.7 Arms
Rated Speed @48Vdc	3000 rpm
Maximum Speed @48Vdc	4500 rpm
Torque Constant ($\pm 5\%$)	0.113 Nm/Arms
Voltage Constant ($\pm 5\%$)	6.8 Vrms/Krpm

Specification

Phase/phase resistance ($\pm 10\%$ @25°C)	0.064 Ω
--	----------------

Optionen

Feedback

- E6 = 14 Bit absolute singleturn encoder

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- C = CanOpen
- D = Modbus RTU
- E = Ethercat
- P = Profinet

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET HV 80

Flange dimensions: 80 mm Rated Output Power: 800 - 1068 W Rated Torque: 2,55 . 3,4 Nm Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-80/>



Produkte:

Seite

DUET HV 80 2,8 17

362

DUET HV 80 4 17

364

DUET HV 80 2,8 17

Flange dimensions: 80 mm Rated Output Power: 800 - 1068 W Rated Torque: 2,55 . 3,4 Nm Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-80-28-17/>



Specification	
Rated Voltage	560 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	275 Vdc
Maximum Voltage	740 Vdc
Stall Torque	2.96 Nm
Peak Torque	8.4 Nm
Rated Torque	2.55 Nm
Rated Output Power	800 W
Stall Current	1.75 Arms
Peak Current	5.8 Arms
Rated Current	1.64 Arms
Rated Speed @560Vdc	3000 rpm
Maximum Speed @560Vdc	4000 rpm
Torque Constant (± 5%)	1.6 Nm/Arms
Voltage Constant (± 5%)	97 Vrms/Krpm
Phase/phase resistance (± 10%@25°C)	7.9 Ω
Phase/phase inductance (± 10%)	35.4 mH
Electrical time constant	4.48 ms
Thermal Resistance	1.32 °C/W
Mechanical time constant	0.53 ms
Rotor Inertia without brake and without feedback	1.16 kg·cm²
Duet weight	4.1 Kg
Duet weight with brake	4.8 Kg
Axial Load applied on the shaft's center	110 N

Specification

Radial Load applied on the shaft's center	350 N
---	-------

Optionen

Feedback

- A1 = Absolute MultiturnEncoder 12+12 Bits 128

Sin/Cos revolution

- A3 = Absolute MultiturnEncoder 9+12 Bits 16

Sin/Cos revolution

- A5 = Absolute SingleturnEncoder 9 Bits 16 Sin/Cos revolution

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- Ethercat

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

DUET HV 80 4 17

Flange dimensions: 80 mm Rated Output Power: 800 - 1068 W Rated Torque: 2,55 . 3,4 Nm Rated Speed: 3000 rpm Fieldbus: Ethercat



<https://www.kocomotion.de/produkt/duet-hv-80-4-17/>



Specification	
Rated Voltage	560 Vdc
Auxiliary Voltage (+6% -10%)	24 Vdc
Minimum Voltage	275 Vdc
Maximum Voltage	740 Vdc
Stall Torque	4 Nm
Peak Torque	12 Nm
Rated Torque	3.4 Nm
Rated Output Power	1068 W
Stall Current	2.5 Arms
Peak Current	7.5 Arms
Rated Current	2.19 Arms
Rated Speed @560Vdc	3000 rpm
Maximum Speed @560Vdc	4000 rpm
Torque Constant ($\pm 5\%$)	1.6 Nm/Arms
Voltage Constant ($\pm 5\%$)	96 Vrms/Krpm
Phase/phase resistance ($\pm 10\%$ @25°C)	6.5 Ω
Phase/phase inductance ($\pm 10\%$)	28.6 mH
Electrical time constant	4.4 ms
Thermal Resistance	1 °C/W
Mechanical time constant	0.56 ms
Rotor Inertia without brake and without feedback	1.58 kg·cm ²
Duet weight	5.1 Kg
Duet weight with brake	6.5 Kg
Axial Load applied on the shaft's center	110 N

Specification

Radial Load applied on the shaft's center	350 N
---	-------

Optionen

Feedback

- A1 = Absolute MultiturnEncoder 12+12 Bits 128

Sin/Cos revolution

- A3 = Absolute MultiturnEncoder 9+12 Bits 16

Sin/Cos revolution

- A5 = Absolute SingleturnEncoder 9 Bits 16 Sin/Cos revolution

Brake

- 0 = without brake
- 1 = with brake

Fieldbus

- Ethercat

Mechanical Arrangement

- 0 - Shaft with key / without oil seal (front flange side IP 54)
- 1 - Shaft with key / with oil seal (front flange side IP 65)
- 2 - Shaft without key / without oil seal (front flange side IP 54)
- 3 - Shaft without key / with oil seal (front flange side IP 65)

E-Mobility brushless solutions



<https://www.kocomotion.de/produkt/e-mobility-brushless-solutions/>



TC4 40



<https://www.kocomotion.de/produkt/tc4-40/>

TC4 100



<https://www.kocomotion.de/produkt/tc4-100/>

TC4 130



<https://www.kocomotion.de/produkt/tc4-130/>

TC4 150



<https://www.kocomotion.de/produkt/tc4-150/>

TC4 180



<https://www.kocomotion.de/produkt/tc4-180/>

iSV Series

Integrated Servo Motors



<https://www.kocomotion.de/produkt/isv-series/>



Produkte:

Seite

iSV-B23090T-S21

373

iSV-B23130T-S21

375

iSV-B23180T-S21

377

iSV-B23090T-S21

iSV series integrated servo motors are one of the most compact servo systems available on the market. An iSV integrated motor has a motor (BLDC) and an advanced DSP servo drive. At very compact size and with all components integrated, the iSV series can save mounting space, eliminate encoder connection and motor wiring time, increase reliability, and lower cable and labor cost. The drive can be controlled via pulse + direction.

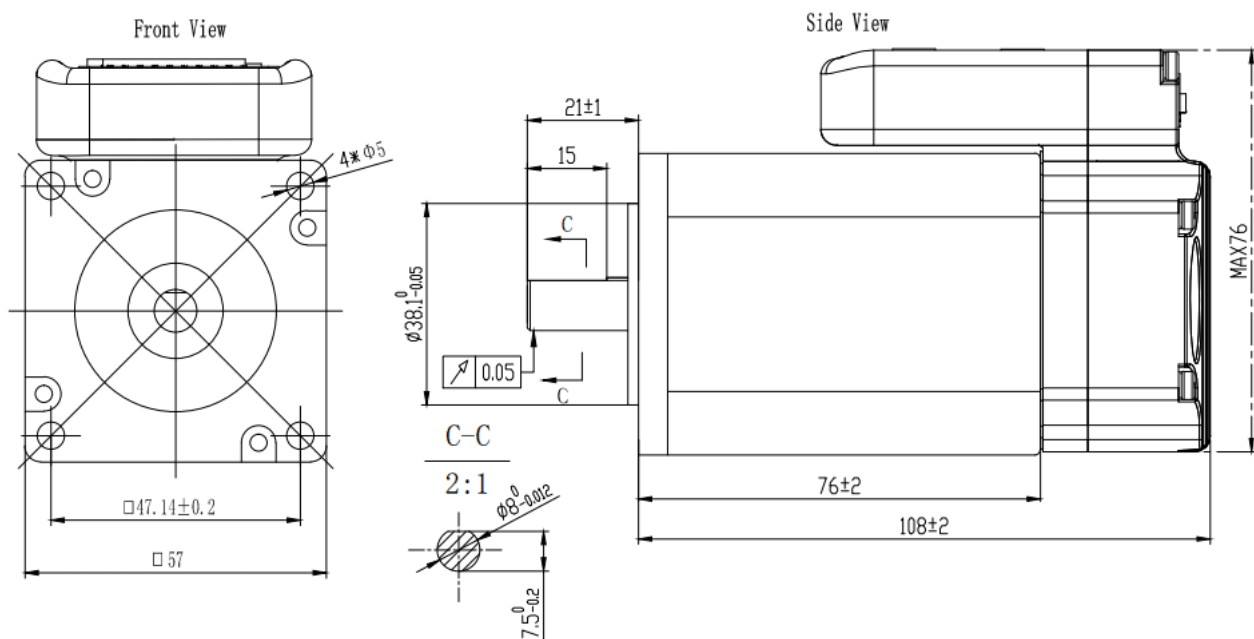


<https://www.kocomotion.de/produkt/isv-b23090t-s21/>

Specification	
Frame size	23 Nema
Rated power	90 W
Rated voltage	36 V
Rated torque	0.3 Nm
Rated current (RMS)	3.6 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Pulse+Direction
Brake	No

Optionen

- Integrated compact size for saving mounting space & setup time, and reducing electrical interference
 - Step & direction or CW/CCW command input for position or velocity control
 - Compatible mounting size with stepper motor
 - Smooth motor movement and good respond time
- 15 micro step resolution options via DIP switches
- or any value from 200-51,200 (Increased by 1) via software configuration
 - Isolated control inputs of Pulse, Direction and Enable
 - In-position and fault outputs to external motion controllers for complete system controls.
 - Over voltage, over-current, and position-error protection

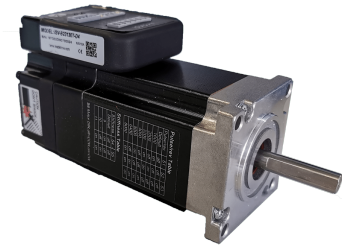


iSV-B23130T-S21

iSV series integrated servo motors are one of the most compact servo systems available on the market. An iSV integrated motor has a motor (BLDC) and an advanced DSP servo drive. At very compact size and with all components integrated, the iSV series can save mounting space, eliminate encoder connection and motor wiring time, increase reliability, and lower cable and labor cost. The drive can be controlled via pulse + direction.



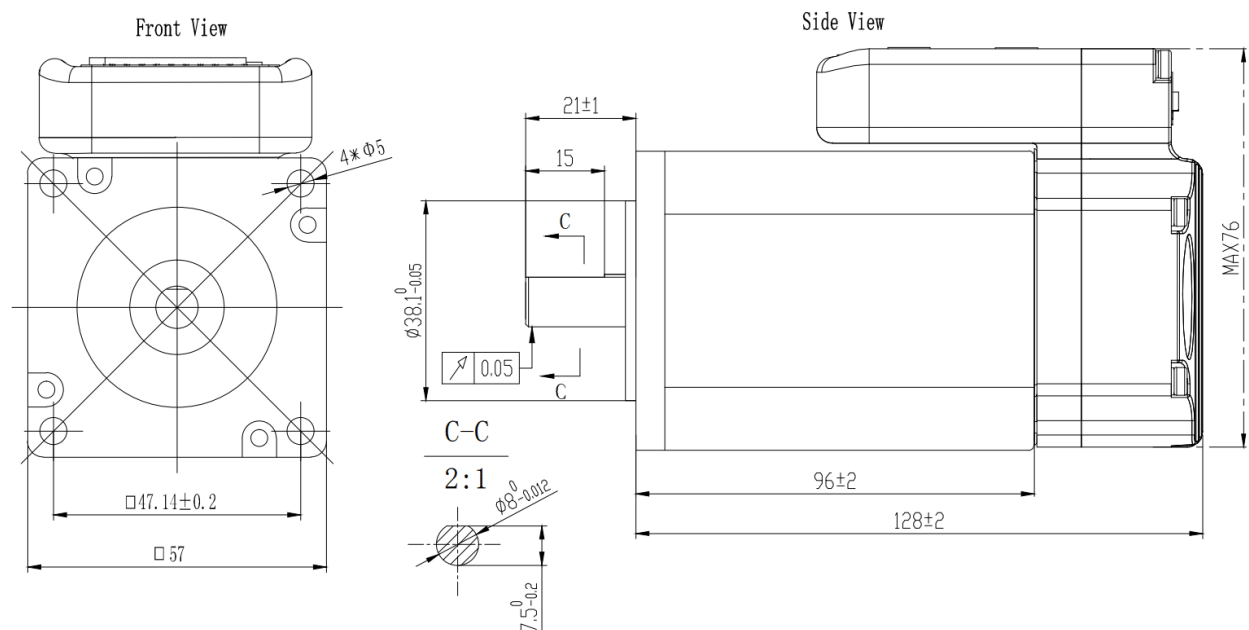
<https://www.kocomotion.de/produkt/isv-b23130t-s21/>



Specification	
Frame size	23 Nema
Rated power	130 W
Rated voltage	36 V
Rated torque	0.45 Nm
Rated current (RMS)	5.6 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Pulse+Direction
Brake	No

Optionen

- Integrated compact size for saving mounting space & setup time, and reducing electrical interference
 - Step & direction or CW/CCW command input for position or velocity control
 - Compatible mounting size with stepper motor
 - Smooth motor movement and good respond time
- 15 micro step resolution options via DIP switches
- or any value from 200-51,200 (Increased by 1) via software configuration
 - Isolated control inputs of Pulse, Direction and Enable
 - In-position and fault outputs to external motion controllers for complete system controls.
 - Over voltage, over-current, and position-error protection



iSV-B23180T-S21

iSV series integrated servo motors are one of the most compact servo systems available on the market. An iSV integrated motor has a motor (BLDC) and an advanced DSP servo drive. At very compact size and with all components integrated, the iSV series can save mounting space, eliminate encoder connection and motor wiring time, increase reliability, and lower cable and labor cost. The drive can be controlled via pulse + direction.



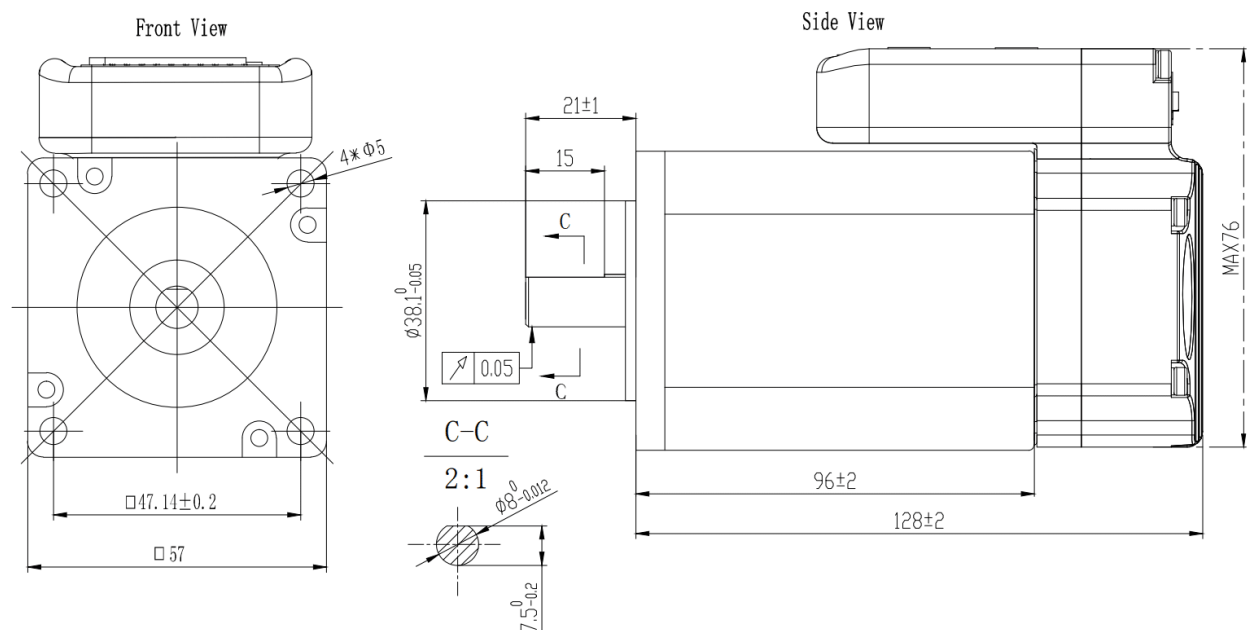
<https://www.kocomotion.de/produkt/isv-b23180t-s21/>



Specification	
Frame size	23 Nema
Rated power	180 W
Rated voltage	36 V
Rated torque	0.6 Nm
Rated current (RMS)	7.5 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Pulse+Direction
Brake	No

Optionen

- Integrated compact size for saving mounting space & setup time, and reducing electrical interference
 - Step & direction or CW/CCW command input for position or velocity control
 - Compatible mounting size with stepper motor
 - Smooth motor movement and good respond time
- 15 micro step resolution options via DIP switches
- or any value from 200-51,200 (Increased by 1) via software configuration
 - Isolated control inputs of Pulse, Direction and Enable
 - In-position and fault outputs to external motion controllers for complete system controls.
 - Over voltage, over-current, and position-error protection

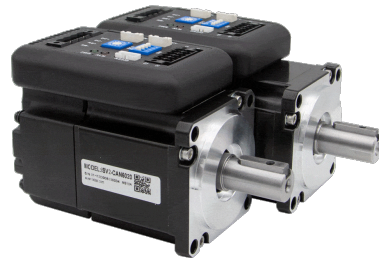


iSV2-CAN Series

Integrated Servo Motors



<https://www.kocomotion.de/produkt/isv2-can-series/>



Produkte:	Seite
iSV2-CAN6020V24H	380
iSV2-CAN6020V24G	382
iSV2-CAN6020V48H	384
iSV2-CAN6020V48G	386
iSV2-CAN6040V48H	388
iSV2-CAN6040V48G	390
iSV2-CAN8075V48H	392
iSV2-CAN8075V48G	394

iSV2-CAN6020V24H

iSV2-CAN series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.

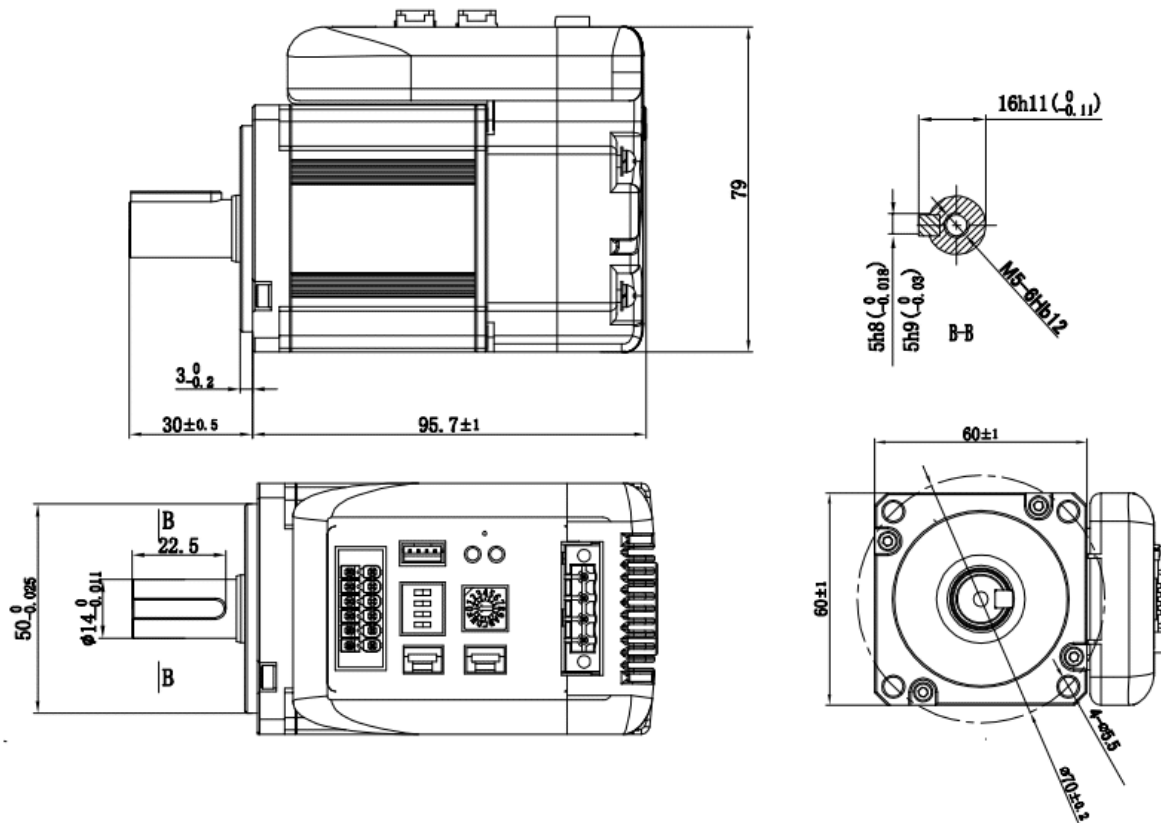


<https://www.kocomotion.de/produkt/isv2-can6020v24h/>

Specification	
Frame size	60 mm
Rated power	200 W
Rated voltage	24 V
Rated torque	0.64 Nm
Rated current (RMS)	11 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	CANopen
Brake	No

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: CANopen
- Simple commissioning: GUI software Motion Studio



iSV2-CAN6020V24G

iSV2-CAN series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.

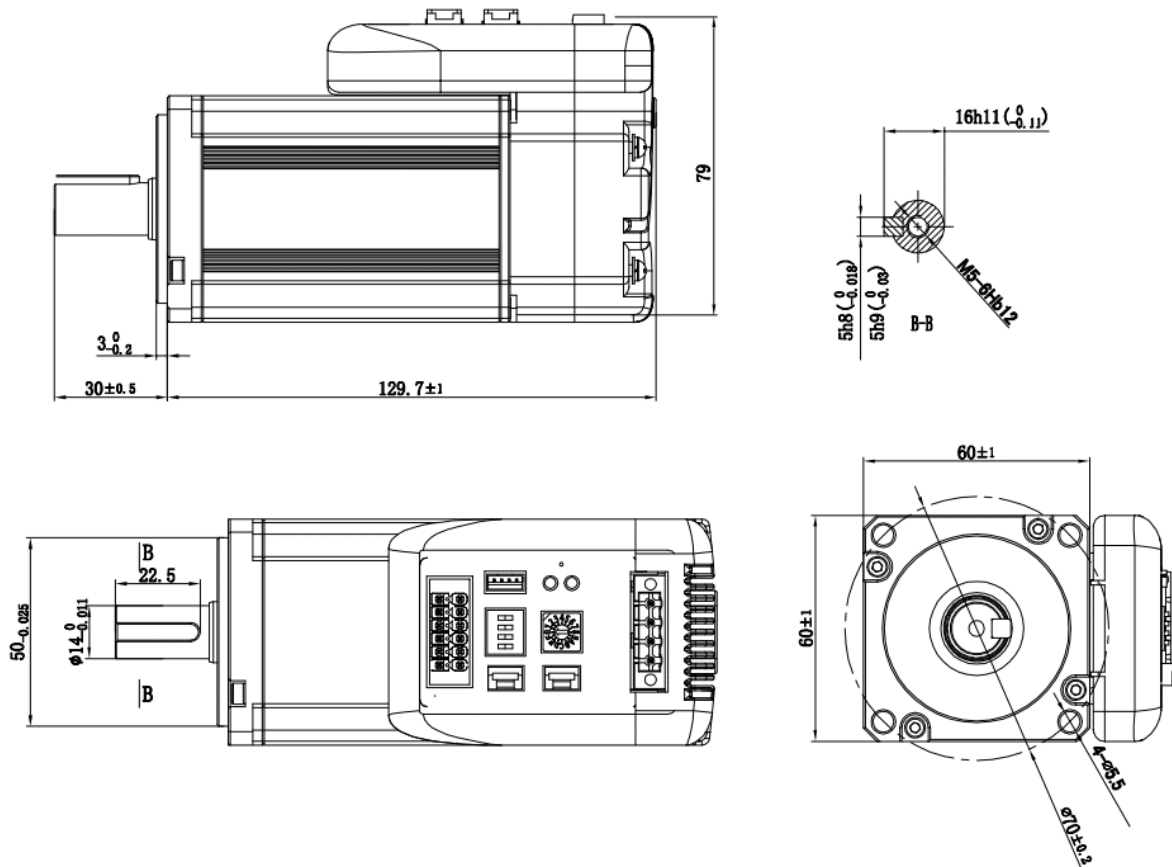


<https://www.kocomotion.de/produkt/isv2-can6020v24g/>

Specification	
Frame size	60 mm
Rated power	200 W
Rated voltage	24 V
Rated torque	0.64 Nm
Rated current (RMS)	11 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	CANopen
Brake	Yes

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: CANopen
- Simple commissioning: GUI software Motion Studio



iSV2-CAN6020V48H

iSV2-CAN series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.

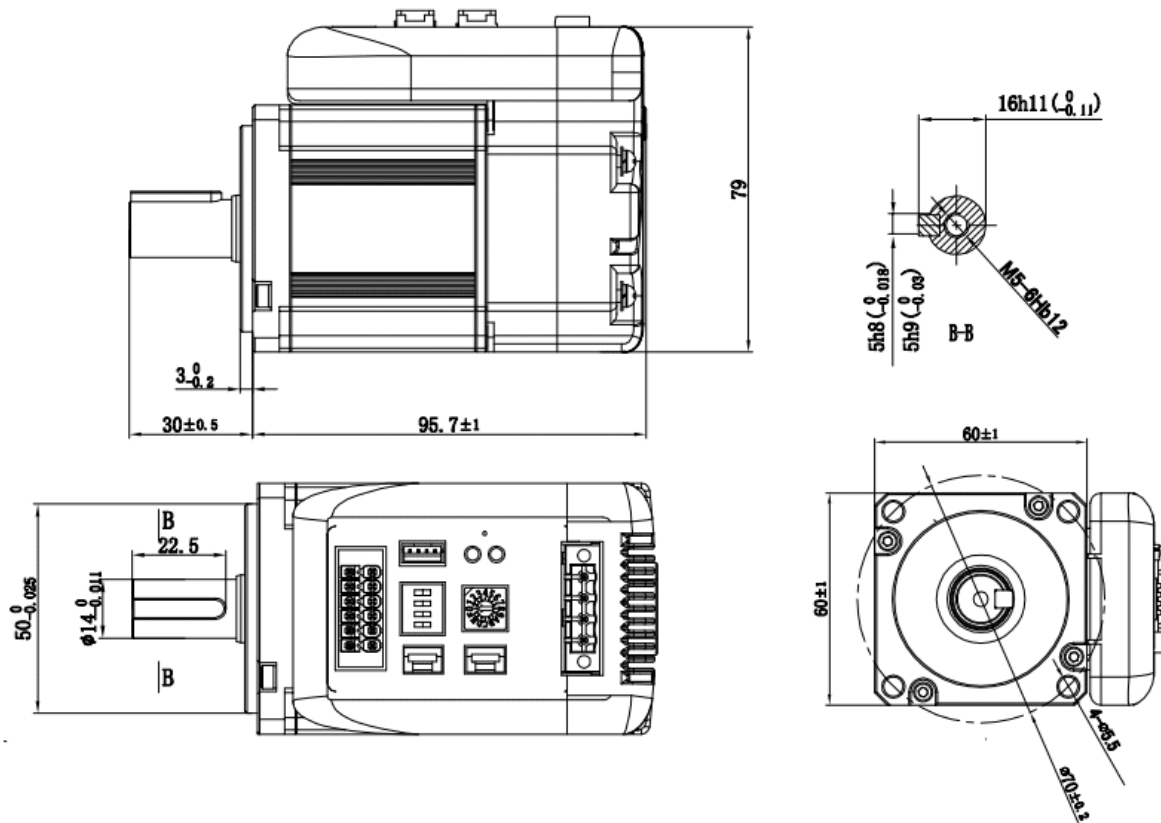


<https://www.kocomotion.de/produkt/isv2-can6020v48h/>

Specification	
Frame size	60 mm
Rated power	200 W
Rated voltage	48 V
Rated torque	0.64 Nm
Rated current (RMS)	6.5 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	CANopen
Brake	No

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: CANopen
- Simple commissioning: GUI software Motion Studio



iSV2-CAN6020V48G

iSV2-CAN series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.

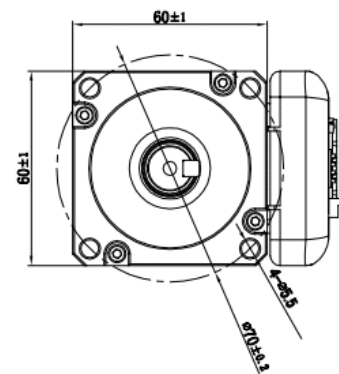
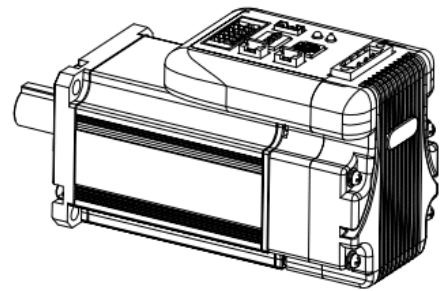
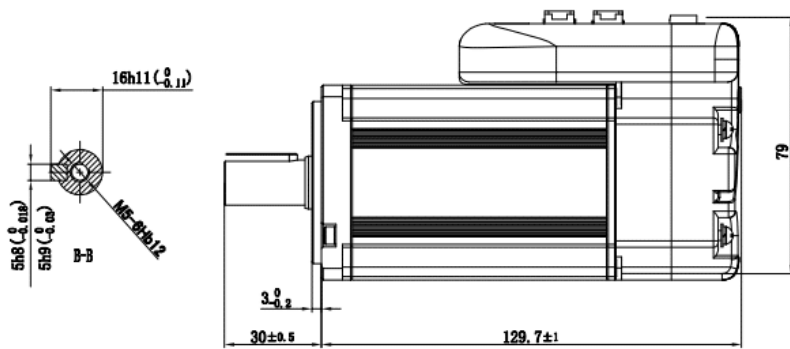


<https://www.kocomotion.de/produkt/isv2-can6020v48g/>

Specification	
Frame size	60 mm
Rated power	200 W
Rated voltage	48 V
Rated torque	0.64 Nm
Rated current (RMS)	6.5 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	CANopen
Brake	Yes

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: CANopen
- Simple commissioning: GUI software Motion Studio



iSV2-CAN6040V48H

iSV2-CAN series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.

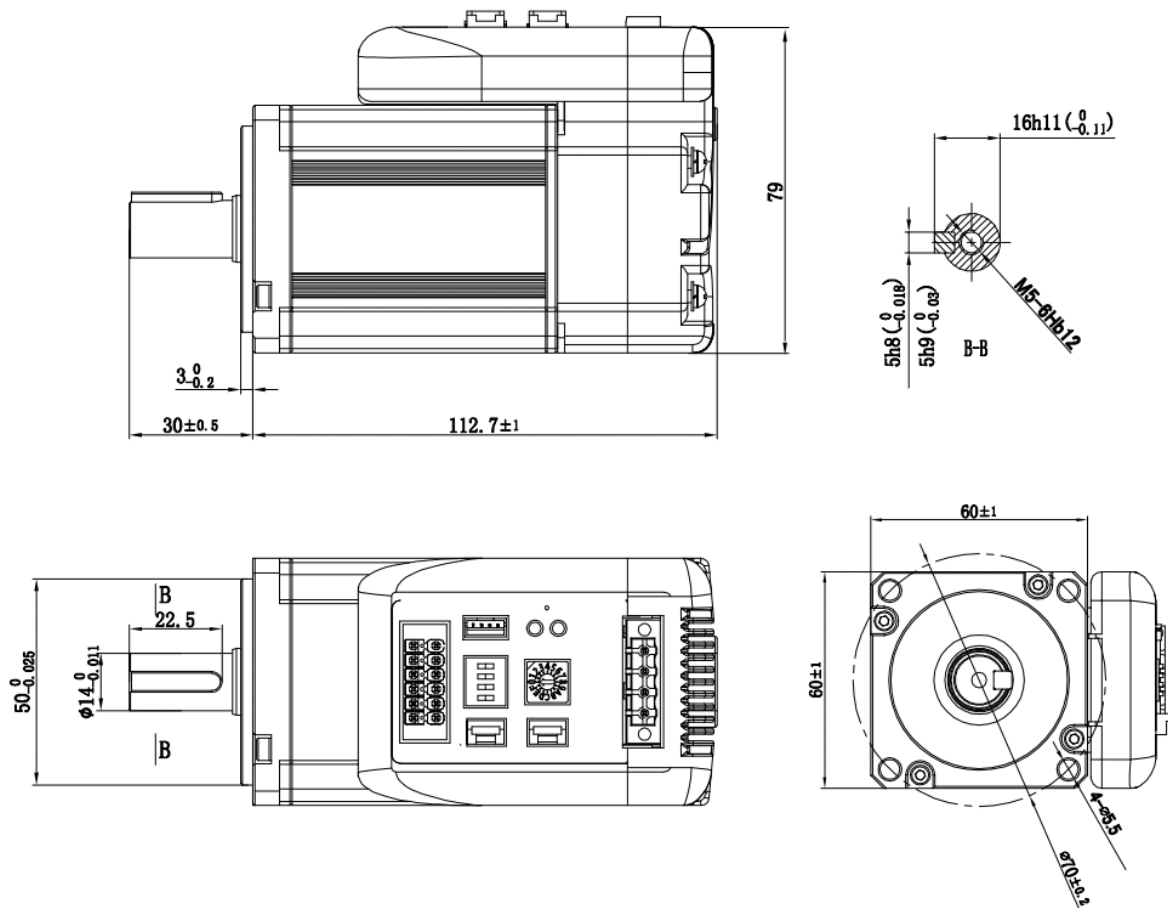


<https://www.kocomotion.de/produkt/isv2-can6040v48h/>

Specification	
Frame size	60 mm
Rated power	400 W
Rated voltage	48 V
Rated torque	1.27 Nm
Rated current (RMS)	10 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	CANopen
Brake	No

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: CANopen
- Simple commissioning: GUI software Motion Studio



iSV2-CAN6040V48G

iSV2-CAN series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.

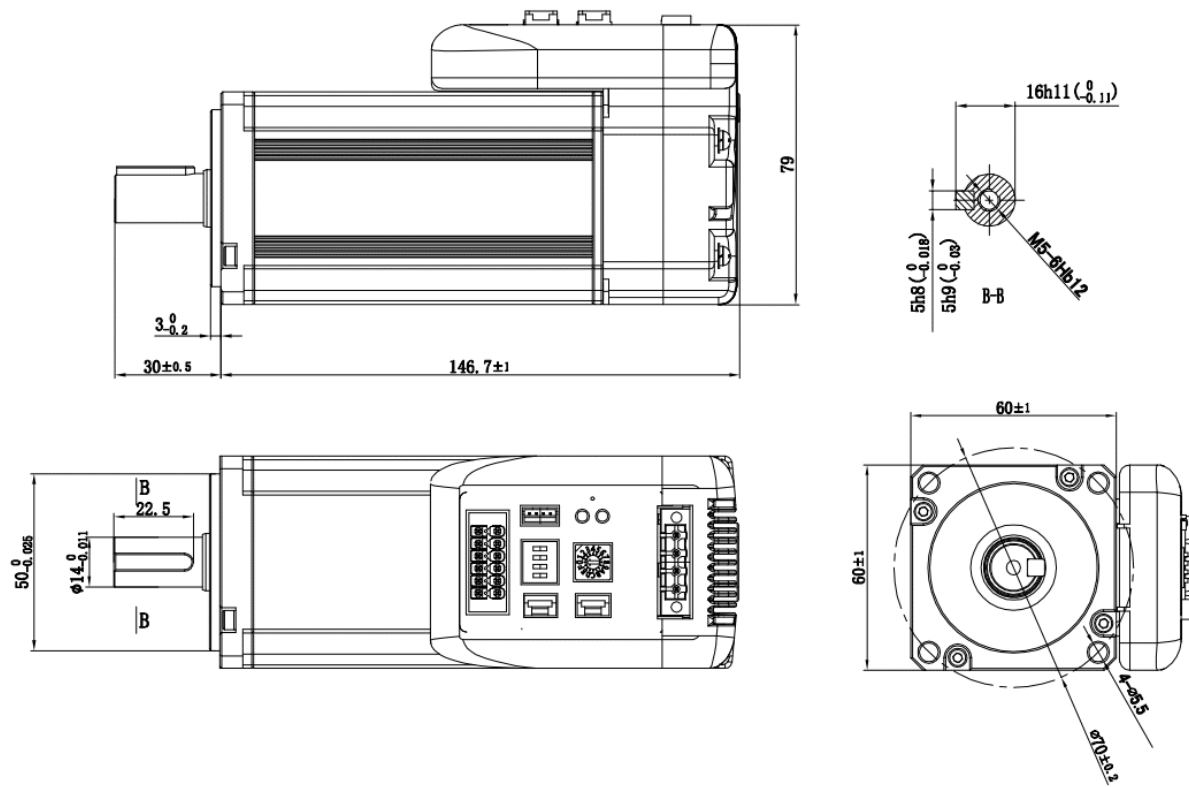


<https://www.kocomotion.de/produkt/isv2-can6040v48g/>

Specification	
Frame size	60 mm
Rated power	400 W
Rated voltage	48 V
Rated torque	1.27 Nm
Rated current (RMS)	10 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	CANopen
Brake	Yes

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: CANopen
- Simple commissioning: GUI software Motion Studio



iSV2-CAN8075V48H

iSV2-CAN series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.

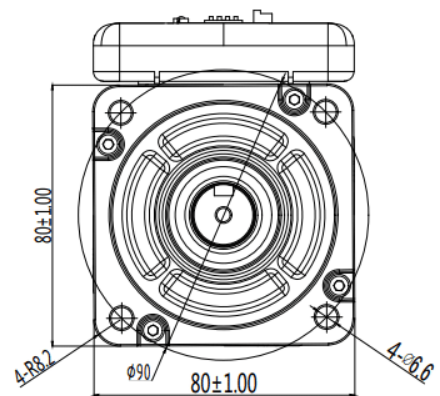
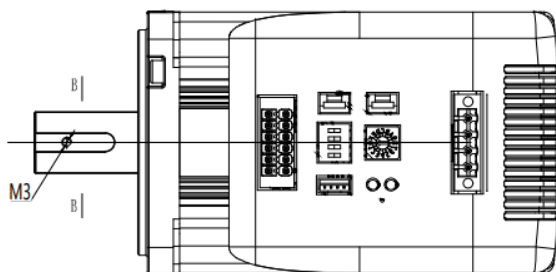
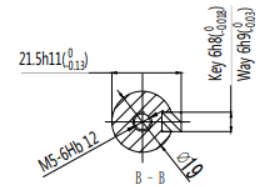
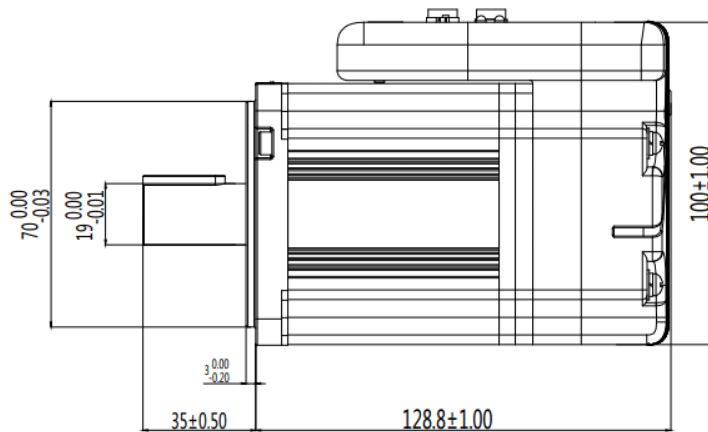


<https://www.kocomotion.de/produkt/isv2-can8075v48h/>

Specification	
Frame size	80 mm
Rated power	750 W
Rated voltage	48 V
Rated torque	2.39 Nm
Rated current (RMS)	19 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	CANopen
Brake	No

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: CANopen
- Simple commissioning: GUI software Motion Studio



iSV2-CAN8075V48G

iSV2-CAN series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.

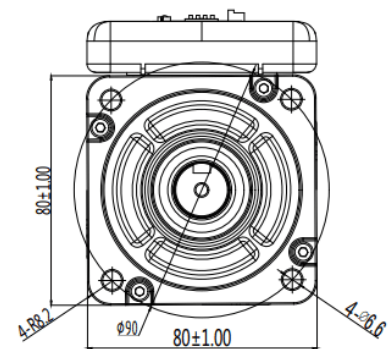
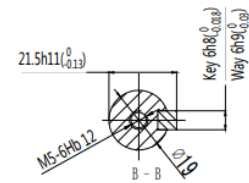
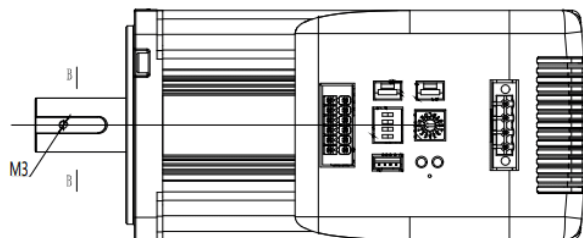
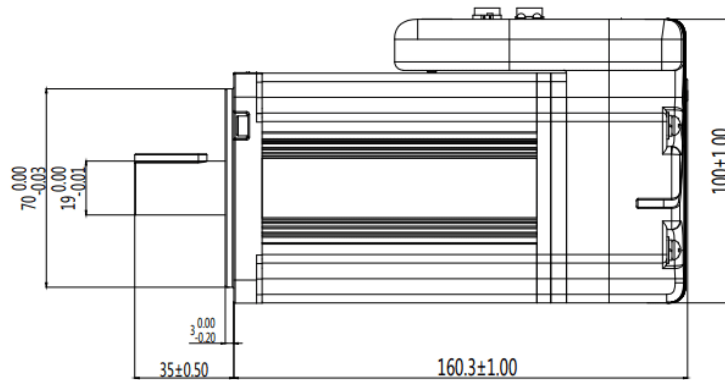


<https://www.kocomotion.de/produkt/isv2-can8075v48g/>

Specification	
Frame size	80 mm
Rated power	750 W
Rated voltage	48 V
Rated torque	2.39 Nm
Rated current (RMS)	19 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	CANopen
Brake	Yes

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: CANopen
- Simple commissioning: GUI software Motion Studio

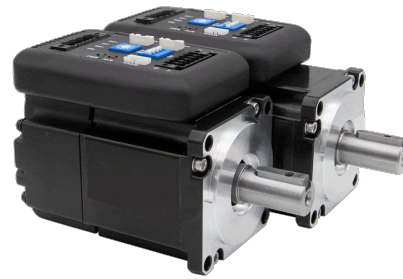


iSV2-RS Series

60mm frame size servo motors



<https://www.kocomotion.de/produkt/isv2-rs-series/>



Produkte:	Seite
iSV2-RS6020V24H	397
iSV2-RS6020V24G	398
iSV2-RS6020V48H	399
iSV2-RS6020V48G	400
iSV2-RS6040V48H	401
iSV2-RS6040V48G	402
iSV2-RS55740V48H	403
iSV2-RS8075V48G	404
iSV2-RS8075V48H	405
iSV2-RS8675V48H	406

iSV2-RS6020V24H

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs6020v24h/>

Specification	
Frame size	60 mm
Rated power	200 W
Rated voltage	24 V
Rated torque	0.64 Nm
Rated current (RMS)	11 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	no

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS6020V24G

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs6020v24g/>

Specification	
Frame size	60 mm
Rated power	200 W
Rated voltage	24 V
Rated torque	0.64 Nm
Rated current (RMS)	11 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	yes

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS6020V48H

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs6020v48h/>

Specification	
Frame size	60 mm
Rated power	200 W
Rated voltage	48 V
Rated torque	0.64 Nm
Rated current (RMS)	6.5 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	no

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS6020V48G

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs6020v48g/>

Specification	
Frame size	60 mm
Rated power	200 W
Rated voltage	48 V
Rated torque	0.64 Nm
Rated current (RMS)	6.5 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	yes

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS6040V48H

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs6040v48h/>

Specification	
Frame size	60 mm
Rated power	400 W
Rated voltage	48 V
Rated torque	1.27 Nm
Rated current (RMS)	10 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	no

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS6040V48G

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs6040v48g/>

Specification	
Frame size	60 mm
Rated power	400 W
Rated voltage	48 V
Rated torque	1.27 Nm
Rated current (RMS)	10 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	yes

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS5740V48H

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs5740v48h/>

Specification	
Frame size	Nema 23 mm
Rated power	400 W
Rated voltage	48 V
Rated torque	1.27 Nm
Rated current (RMS)	10 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	no

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS8075V48G

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs8075v48g/>

Specification	
Frame size	80 mm
Rated power	750 W
Rated voltage	48 V
Rated torque	2.39 Nm
Rated current (RMS)	19 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	yes

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS8075V48H

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs8075v48h/>

Specification	
Frame size	80 mm
Rated power	750 W
Rated voltage	48 V
Rated torque	2.39 Nm
Rated current (RMS)	19 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	no

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio

iSV2-RS8675V48H

iSV2-RS series includes 60mm & 80mm frame size servo motors which are integrated with 17-bit encoders and servo drives. Its power ranges from 200 to 750W with peak torque to 7.2 Nm. At very compact size an iSV2 integrated servo motor can save mounting space, eliminate encoder & power cable connections, reduce interference, and reduce system cost.



<https://www.kocomotion.de/produkt/isv2-rs8675v48h/>

Specification	
Frame size	Nema 34 mm
Rated power	750 W
Rated voltage	48 V
Rated torque	2.39 Nm
Rated current (RMS)	19 A
Rated speed	3000 RPM
Encoder resolution	17 bit
Communication	Modbus RTU/ Pulse+Direction
Brake	no

Optionen

- Compact design: The motor, encoder and drive form a compact unit
- Simple installation: Reduce cables, and easy to wire
- Wide voltage input range: 24~60VDC
- High overload ability: 250%~300% (3s)
- Network: Modbus RTU
- Simple commissioning: GUI software Motion Studio



KOCO MOTION GmbH

Niedereschacher Straße 54
78083 Dauchingen
Deutschland

+49 7720 995858-0
info@kocomotion.de
www.kocomotion.de