



TETRA COMPACT 4

***THE ULTIMATE GENERATION
BRUSHLESS SERVOMOTORS***

SEE IT BEFORE IT HAPPENS

**MOTOR
POWER**
COMPANY



BRUSHLESS

TECHNOLOGY

Motor Power Company introduces its latest generation brushless servomotors **TETRA COMPACT 4**, 10 poles servomotors, featuring the newest engineering and manufacturing technology, that allows motors dimension 30% shorter than other brushless series. A careful selection of components, highest quality standard and international certifications assure that this series is optimum for a responsive, accurate and reliable automation. The servomotors support a performing 24 bit absolute magnetic encoder, featuring compactness, high resolution and accuracy, for high end application requirements. **TETRA COMPACT 4** brushless servo motors are the result of a completely new design and a modern production concept: uncompromised quality and a wide range of power ratings make these servo motors ideal for modern machine performance needs.

FEATURES AND BENEFITS

Synchronous brushless servomotor

Flange dimensions: 40 - 60 - 80 - 100 - 130 - 150 - 180 mm

0.16 Nm to 48 Nm rated torque

50 W to 7,5 kW rated output power

Rated winding voltage 230 Vac and 400 Vac

Rated speed 6000rpm

24 bit absolute encoder

TTL encoder, absolute multiturn encoder (Hiperface), also available.

Insulation class F (155 °C)

IP 65 (with oil seal)

Shaft balancing class G 2,5 according ISO 1940

Ambient operation temperature from 0° C to +40° C

Optional holding brake

Optional shaft sealing

Ral 9005 black powder coating

UL [UL 1004], CSA, CE, Rohs certified

Reach compliance



CE RoHS REACH

TETRA COMPACT 4

PRODUCT LINEUP

Servomotor Type	Nominal Power Pn (ref. to 3000 rpm)	Nominal Torque Mn (ref. to 3000 rpm)	Peak Torque Mmax	Continuous Working Speed nM	Maximum Working Speed nMax	Moment of Inertia	48 Vdc	230 Vac	400 Vac
	[W]	[Nm]	[Nm]	[rpm]	[rpm]	[kg cm ²]			
TC4 40 1A	50	0.16	0.56	6000	8000	0.0409	√	√	
TC4 40 1B	100	0.32	1.12	6000	8000	0.0776	√	√	
TC4 60 2A	200	0.64	2.24	6000	8000	0.274		√	√
TC4 60 2B	400	1.27	4.44	6000	8000	0.524		√	√
TC4 80 3A	400	1.27	4.44	6000	8000	1.14		√	√
TC4 80 3B	750	2.38	8.33	6000	8000	2.18		√	√
TC4 80 3C	1000	3.18	11.10	6000	8000	3.22		√	√
TC4 100 4A	1000	3.18	9.55	3000	6000	2.39		√	√
TC4 100 4B	2000	6.37	19.11	3000	6000	4.27		√	√
TC4 130 5A	300	2.86	8.59	1000	2000	6.62		√	√
TC4 130 5B	500	2.39	7.16	2000	3000	6.62		√	√
TC4 130 5C	600	5.73	17.19	1000	2000	6.62		√	√
TC4 130 5D	850	5.39	13.80	1500	3000	13.49		√	√
TC4 130 5E	900	8.59	25.77	1000	2000	9.69		√	√
TC4 130 5F	1000	4.77	14.30	2000	4000	6.62		√	√
TC4 130 5G	1500	7.16	21.48	2000	3000	9.69		√	√
TC4 130 5H	2000	9.55	28.65	2000	5000	13.49		√	√
TC4 150 6A	2500	9.55	28.65	2500	4000	TBD		√	√
TC4 150 6B	4000	19.10	57.30	2000	4000	TBD		√	√
TC4 150 6C	6000	28.65	85.95	2000	4000	TBD		√	√
TC4 180 7A	2000	9.55	28.65	2000	4000	26.49		√	√
TC4 180 7B	3000	14.32	42.94	2000	4000	53.55		√	√
TC4 180 7B	3000	19.10	57.30	1500	4000	53.55		√	√
TC4 180 7D	3500	16.70	50.30	2000	4000	53.55		√	√
TC4 180 7E	4500	28.65	71.62	1500	4000	73.31		√	√
TC4 180 7F	5500	35.00	87.53	1500	4000	103.33		√	√
TC4 180 7G	7500	47.75	119.37	1500	4000	142.69		√	√

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MOTION CONTROL

MECHATRONICS

TC-4 brochure 1.0/05.22

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