

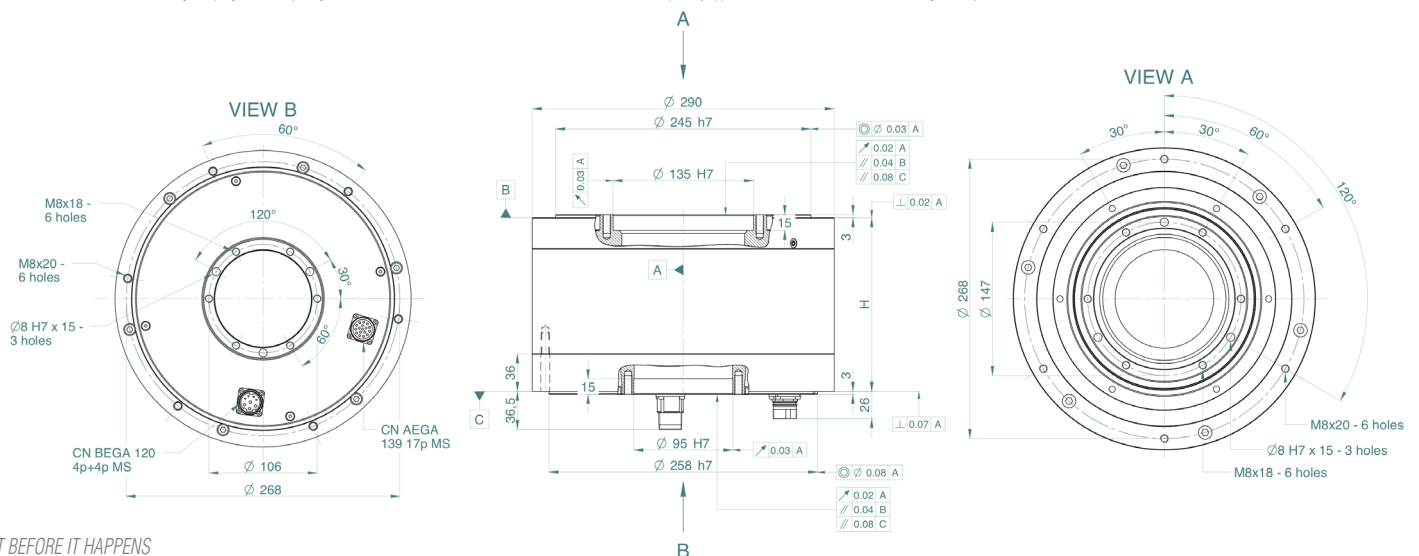
# SKA RT 245 RATINGS AND SPECIFICATIONS

TIME RATING	Continuous	AMBIENT TEMPERATURE	0 to 40 °C
INSULATION CLASS	F	AMBIENT HUMIDITY	20 to 80% RH (non condensing)
ENCLOSURE	Totally enclosed, self-cooled	POLES	28
ENCLOSURE RATING	IP 42 (standard)	THERMAL PROTECTION	PT 1000

## SKA RT 245.30 42    SKA RT 245.60 51    SKA RT 245.90 51    SKA RT 245.120 52    SKA RT 245.120 65

Stall torque	Nm	41	70	93	115	115
Peak torque	Nm	128	241	330	458	458
Rated torque	Nm	36	57	76	90	90
Rated voltage	Vac	400	400	400	400	400
Stall current	Arms	6,20	7,42	9,86	7,32	6,05
Peak current	Arms	22,90	30,30	40,0	34,50	28,50
Rated current	Arms	5,60	6,23	8,30	5,90	4,87
Rated speed	rpm	350	350	350	300	290
Maximum speed	rpm	500	500	500	380	348
Torque constant ± 5%	Nm/Arms	6,62	9,43	9,43	15,72	19,02
Voltage constant ± 5%	Vrms/krpm	400	570	570	950	1150
Phase/phase resistance ± 5%	Ohm	2,56	2,38	1,59	3,23	4,74
Phase/phase inductance	mH	15,80	20	15	31	45,43
Electrical time constant	msec	6,2	8,4	9,5	9,6	9,6
Thermal resistance	°C/W	0,46	0,35	0,29	0,26	0,26
Mechanical time constant	ms	4,76	2,61	2,08	1,78	1,78
Max. theoretical acceleration	rad/s <sup>2</sup>	2362	3702	4247	5066	5066
Rotor inertia	Kg cm <sup>2</sup>	542	651	777	904	904
Motor height H	mm	136,5	166,5	196,5	226,5	226,5
Motor weight	Kg	42,9	55,4	67,8	80,3	80,3
Radial load	N(@30rpm)	6050	6050	6050	6050	6050
Axial load	N(@60rpm)	5460	5460	5460	5460	5460
Tilt moment	Nm(@15rpm)	300	300	300	300	300

Values and torque/speed specifications here detailed are obtained with the SKA Rotary Table coupled to FLEXI PRO drive, with a coil temperature of 100°C. All others data are with a coil temperature of 25°C. Output continuous rating with 610x610x20mm heat sink flange coupling and with top flange not sealed. Tilt moment, radial and axial load must be understood as separately applied on the motors. For different loads configuration, please, contact us.



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