

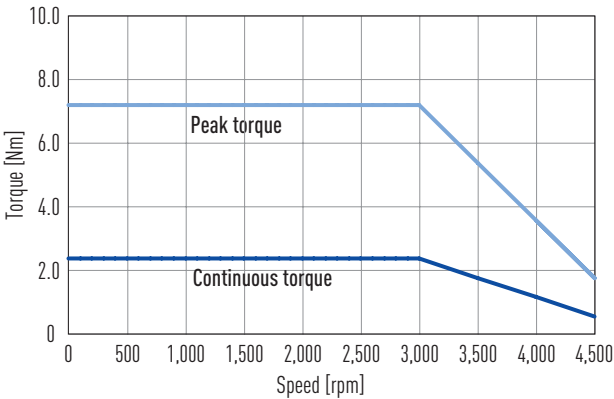
FRMS 750 W

Technical data FRMS 750 W			
Motor data	Symbol	Unit	FRMS752 __08__
Nominal voltage	V	VAC	220
Nominal power	W	W	750
Nominal torque	T _C	Nm	2.4
Nominal current	I _C	A _{eff}	5.1
Peak torque for 1 sec.	T _P	Nm	7.2
Peak current for 1 sec.	I _P	A _{eff}	15.3
Nominal speed	n _N	rpm	3,000
Maximum speed for 1 sec.	n _{max}	rpm	4,500
Torque constant	K _T	Nm/A _{eff}	0.47
Voltage constant	K _e	V _{eff} /(1,000 rpm)	28.4
Winding resistance ¹⁾	R	Ω	0.813
Winding inductance ¹⁾	L	mH	3.4
Mass inertia of rotor	J	kgm ² × 10 ⁻⁴	1.4
Mass inertia of rotor with brake	J	kgm ² × 10 ⁻⁴	1.46
Motor weight	M	kg	2.66
Motor weight with brake	M	kg	3.32
Motor insulation class			A
Motor brake (optional) ²⁾			
Braking torque (static)	T _b	Nm	2.4
Power supply	V	VDC	24 ± 10 %
Power consumption	A	A	0.4
Rated input	W	W	8.6
Response time open	t ₀	ms	45.0
Response time close	t _R	ms	10.0

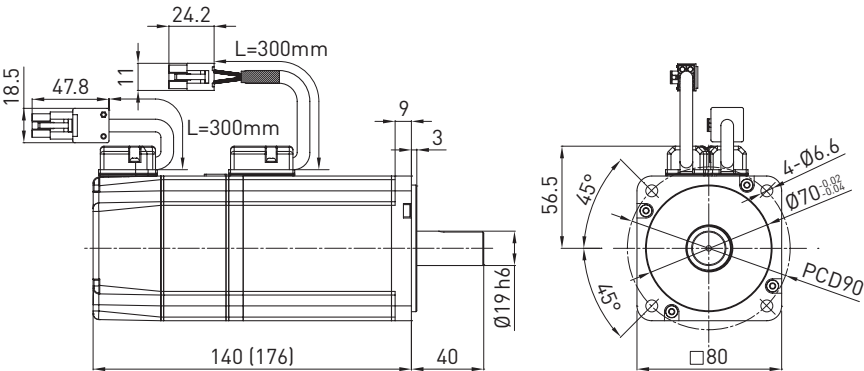
1) Line to line
2) The motor brakes are holding brakes only, not operating brakes



Torque-speed curve FRMS 750 W:



Dimensions FRMS 750 W:



Values in brackets apply to model with motor brake