

Engineering data (WIN -100091)

DC bus voltage	48 V DC
Nominal AC voltage	33 V AC (rms)
Rated voltage	24 V AC (rms)
Rated power	314 W
Rated speed	1500 rpm
Rated torque	2.00 Nm
Rated current	11.23 A (rms)
Peak torque	6.15 Nm
Peak current	41.85 A (rms)
Stall torque	2.05 Nm
Stall current	10.33 A (rms)
No load speed	2730 rpm
EMF constant ±10%	12 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.2 Nm / A (rms)
Torque constant ±10% @ rated load	0.2 Nm / A (rms)
Number of poles	10
Electrical time constant	2.43 ms
Winding terminal resistance	0.411 Ω
Rotary field terminal inductance	1 mH

Customs info

HS Code	85015100
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Mechanical data (setting 29)

Max mechanical speed	12000 rpm
Mech. time constant	0.99 ms
Thermal time constant	23 min
Rotor inertia	0.55 kgcm ²
Protection	IP65
Color	EPOX3 (RAL 9005)
Cooling	Convection
Max. axial force 20kh	71 N
Max. radial force 20kh	373 N*
Max. axial force 100kh	41 N
Max. radial force 100kh	218 N*

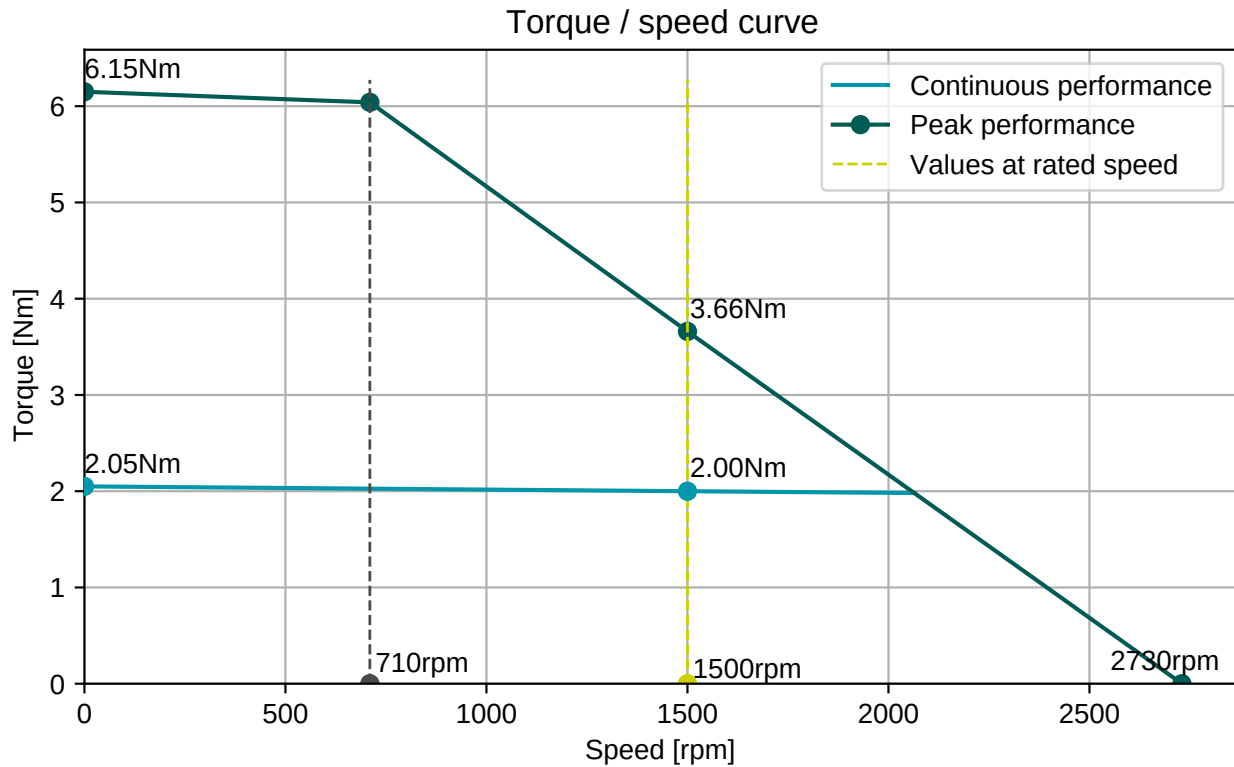
* Defined for point of action at ½ output shaft length

Sensors

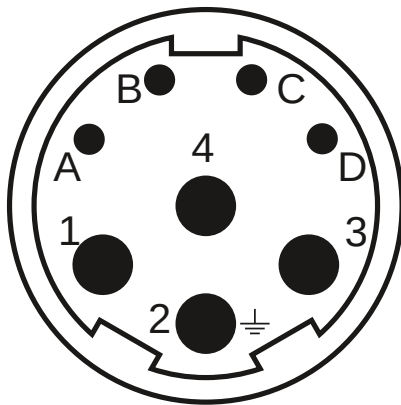
Temperature	PT1000 {PT1000}
Feedback	ELM35 (24+12 bits, BISS-C, multi-turn)

Brake

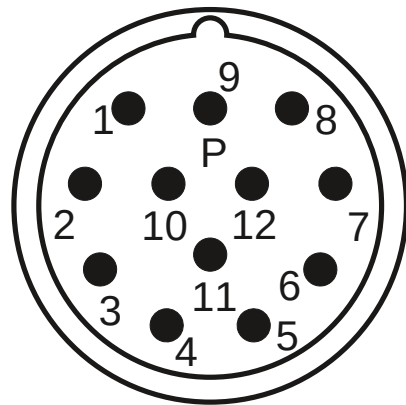
Braking torque	4.50 Nm
Voltage	24 V DC
Power @20°C	12.0 W
Current @20°C	0.50 A
Inertia	0.20 kgcm ²
Mass	0.47 kg


BFC110N00000207000

M23, 8 poles, rectangular


AFC114N00000214000

M23, 12 poles, rectangular


Connector 1 (9)

1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	
D	

Connector 2 (458)

1	Vcc
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-

