

Engineering data (WIN -100095)

DC bus voltage	48 V DC
Nominal AC voltage	33 V AC (rms)
Rated voltage	29 V AC (rms)
Rated power	744 W
Rated speed	1000 rpm
Rated torque	7.10 Nm
Rated current	20.56 A (rms)
Peak torque	22.5 Nm
Peak current	82.74 A (rms)
Stall torque	7.5 Nm
Stall current	19.3 A (rms)
No load speed	1390 rpm
EMF constant ±10%	23.5 V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.39 Nm / A (rms)
Torque constant ±10% @ rated load	0.35 Nm / A (rms)
Number of poles	10
Electrical time constant	5.82 ms
Winding terminal resistance	0.17 Ω
Rotary field terminal inductance	0.99 mH

Customs info

HS Code	85015100
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Mechanical data (setting 29)

Max mechanical speed	9000 rpm
Mech. time constant	0.64 ms
Thermal time constant	30 min
Rotor inertia	3.26 kgcm ²
Protection	IP65
Color	EPOX3 (RAL 9005)
Cooling	Convection
Max. axial force 20kh	179 N
Max. radial force 20kh	942 N*
Max. axial force 100kh	105 N
Max. radial force 100kh	551 N*

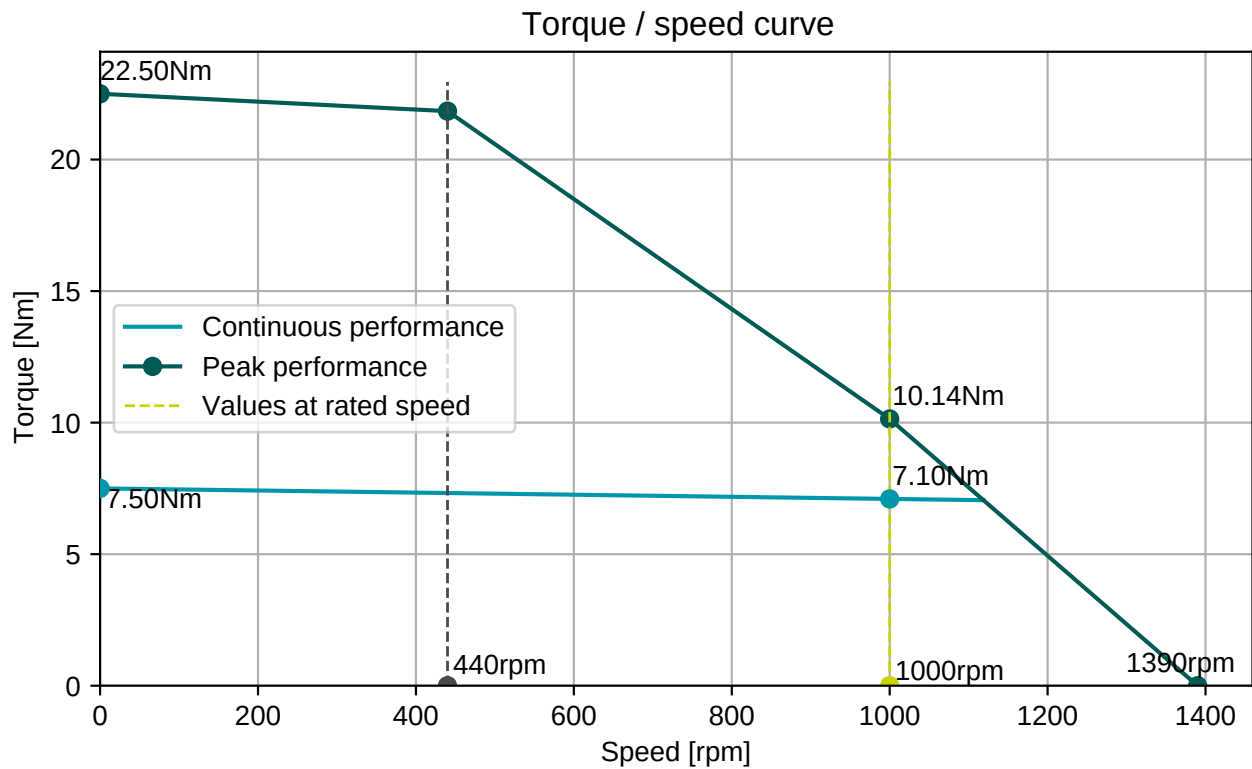
* Defined for point of action at ½ output shaft length

Sensors

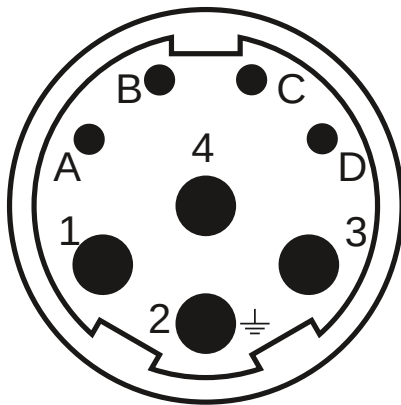
Temperature	PT1000 {PT1000}
Feedback	ELM35 (24+12 bits, BISS-C, multi-turn)

Brake

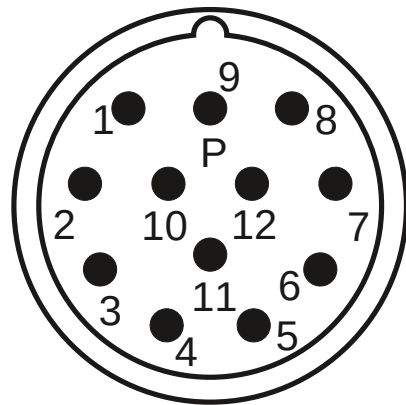
Braking torque	9.00 Nm
Voltage	24 V DC
Power @20°C	18.0 W
Current @20°C	0.75 A
Inertia	0.60 kgcm ²
Mass	0.82 kg


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-

