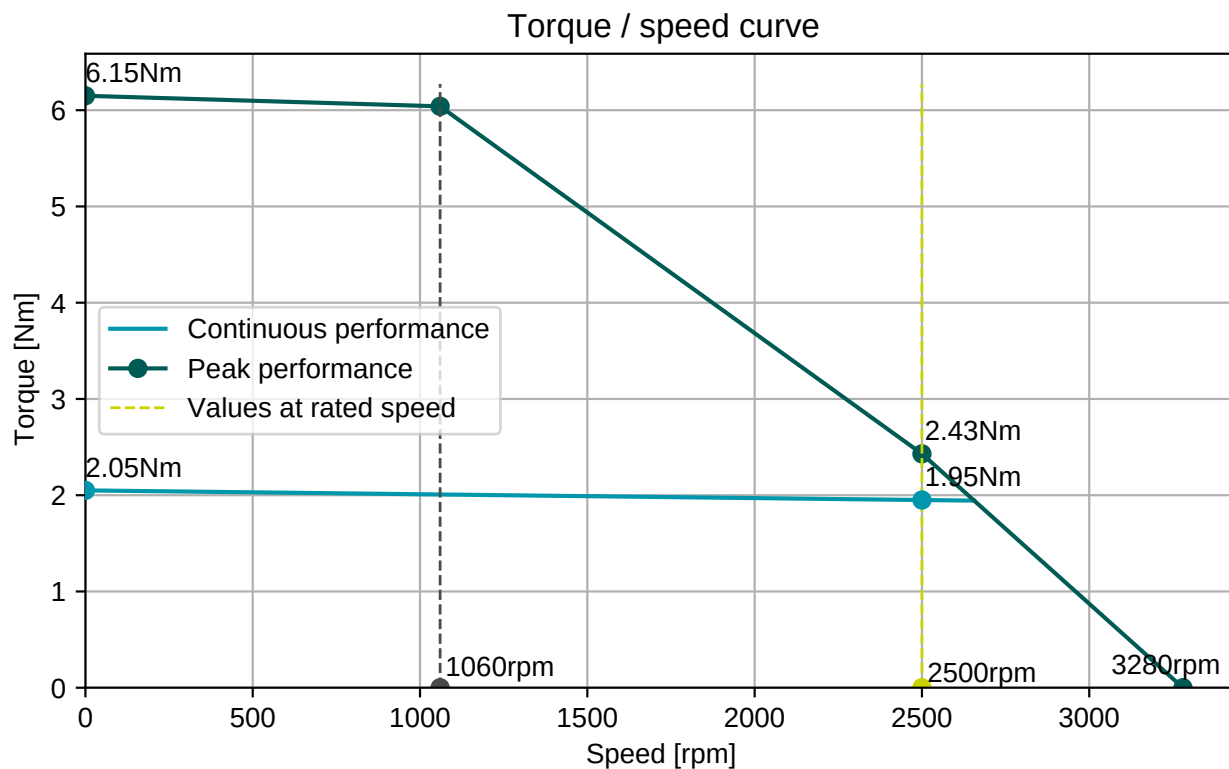


Engineering data (WIN 969)		Mechanical data (setting 5)	
DC bus voltage	48 V DC	Max mechanical speed	12000 rpm
Nominal AC voltage	33 V AC (rms)	Mech. time constant	0.94 ms
Rated voltage	30 V AC (rms)	Thermal time constant	23 min
Rated power	511 W	Rotor inertia	0.55 kgcm ²
Rated speed	2500 rpm	Protection	IP64
Rated torque	1.95 Nm	Color	RAL 9005
Rated current	13.67 A (rms)	Cooling	Convection
Peak torque	6.15 Nm	Max. axial force 20kh	75 N
Peak current	50.2 A (rms)	Max. radial force 20kh	396 N*
Stall torque	2.05 Nm	Max. axial force 100kh	44 N
Stall current	12.4 A (rms)	Max. radial force 100kh	232 N*
No load speed	3280 rpm	<i>* Defined for point of action at ½ output shaft length</i>	
EMF constant ±10%	10 V AC (rms) / 1000rpm	Sensors	
Theoretical torque constant ±10%	0.17 Nm / A (rms)	Temperature	PTC 111-K13 {PTC 111-K13 Reissmann}
Torque constant ±10% @ rated load	0.14 Nm / A (rms)	Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)
Number of poles	10	Brake	
Electrical time constant	2.59 ms	Braking torque	4.50 Nm
Winding terminal resistance	0.27 Ω	Voltage	24 V DC
Rotary field terminal inductance	0.7 mH	Power @20°C	12.0 W
		Current @20°C	0.50 A
		Inertia	0.20 kgcm ²
		Mass	0.47 kg
Customs info		Note	
HS Code	85015100	The winding of the motor has rated current 13.67 A. Power cable is rated only for 10 A. The motor can be operated only with continuous current limited to 10 A in servoamplifier. Otherwise the power cable could be burned.	


Cable SF4x1,5/2x(2x0,75), D=11,8±0,5mm
Cable R4x2x0,25, D=6,8±0,4mm

Connector 1 (21)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-

Numbers printed on the cables

Connector 2 (22)	
white	R1
brown	R2
grey	S1
green	S2
pink	S3
yellow	S4
red	Therm+
blue	Therm-

