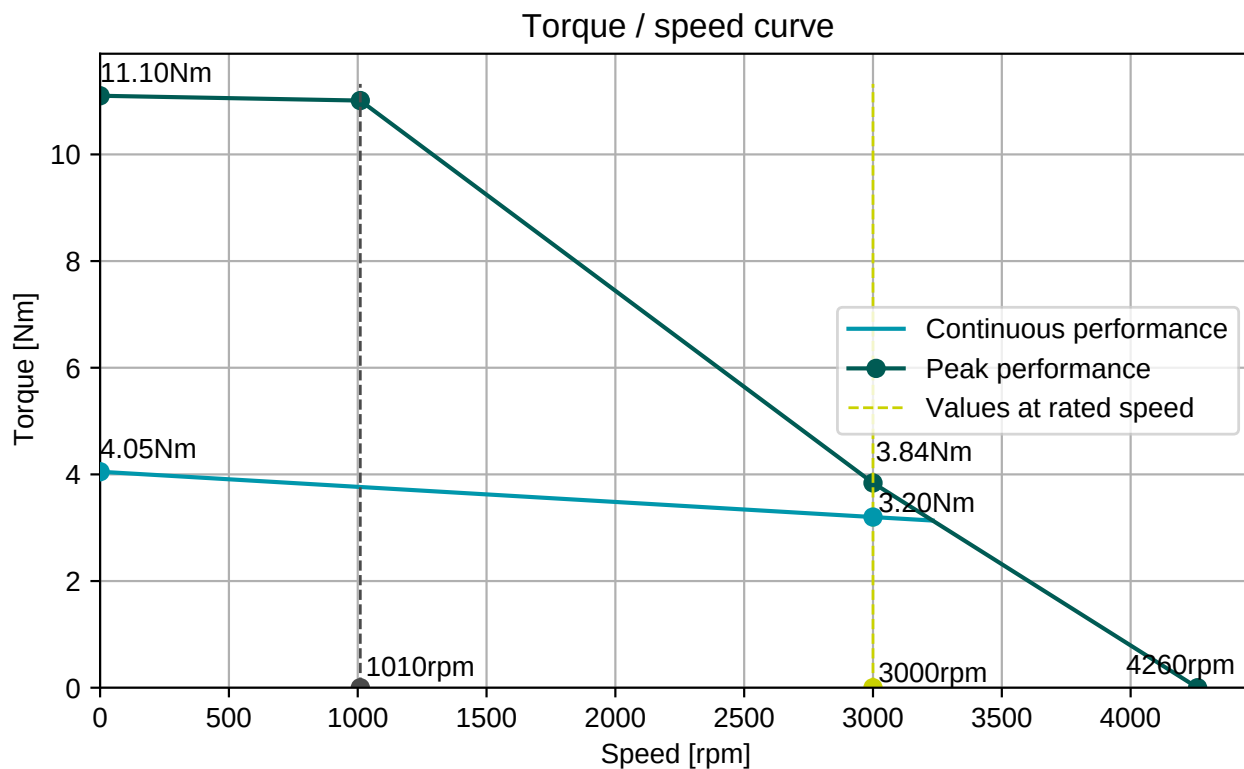


Engineering data (WIN 1339)		Mechanical data (setting 5)	
DC bus voltage	48 V DC	Max mechanical speed	9000 rpm
Nominal AC voltage	33 V AC (rms)	Mech. time constant	1.70 ms
Rated voltage	31 V AC (rms)	Thermal time constant	29 min
Rated power	1.0 kW	Rotor inertia	1.7 kgcm ²
Rated speed	3000 rpm	Protection	IP64
Rated torque	3.20 Nm	Color	RAL 9005
Rated current	13.47 A (rms)	Cooling	Convection
Peak torque	11.1 Nm	Motor-only mass	5.15 kg
Peak current	65.09 A (rms)	Sensors	
Stall torque	4.05 Nm	Temperature	PT1000 {PT1000}
Stall current	15.4 A (rms)	Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)
No load speed	4260 rpm		
EMF constant ±10%	7.96 V AC (rms) / 1000rpm		
Theoretical torque constant ±10%	0.263 Nm / A (rms)		
Torque constant ±10% @ rated load	0.238 Nm / A (rms)		
Number of poles	10		
Electrical time constant	6.00 ms		
Winding terminal resistance	0.1 Ω		
Rotary field terminal inductance	0.6 mH		
Customs info			
HS Code	85015220		



Connector 1 (22)

white	R1
brown	R2
grey	S1
green	S2
pink	S3
yellow	S4
red	Therm+
blue	Therm-

TGH4-0370-30-48/T5KX – power connection

Terminal description:

1 – Winding beginning

2 – Winding end (with shrink tube)

System 1:

U1 – white, **U2** – white with shrink tube

V1 – red, **V2** – red with shrink tube

W1 – light blue, **W2** – light blue with shrink tube

System 2:

R1 – black, **R2** – black with shrink tube

S1 – brown, **S2** – brown with shrink tube

T1 – dark blue, **T2** – dark blue with tube

System U,V,W and R,S,T system have right phase sequence.

System R,S,T is delayed by 30° compared to the U,V,W system.

The resolver setting was done in U,V,W system.

