Engineering data (WIN 324)		
DC bus voltage	560	V DC
Nominal AC voltage	355	V AC (rms)
Rated voltage	341	V AC (rms)
Rated power	17.8	kW
Rated speed	2000	rpm
Rated torque	85.00	Nm
Rated current	32.36	A (rms)
Peak torque	345	Nm
Peak current	164.3	A (rms)
Stall torque	115	Nm
Stall current	42.1	A (rms)
No load speed	2150	rpm
EMF constant ±10%	165	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.73	Nm / A (rms)
Torque constant ±10% @ rated load	2.63	Nm / A (rms)
Number of poles	6	
Electrical time constant	30.91	ms
Winding terminal resistance	0.11	Ω
Rotary field terminal inductance	3.4	mH

Customs info	
HS Code	85015230

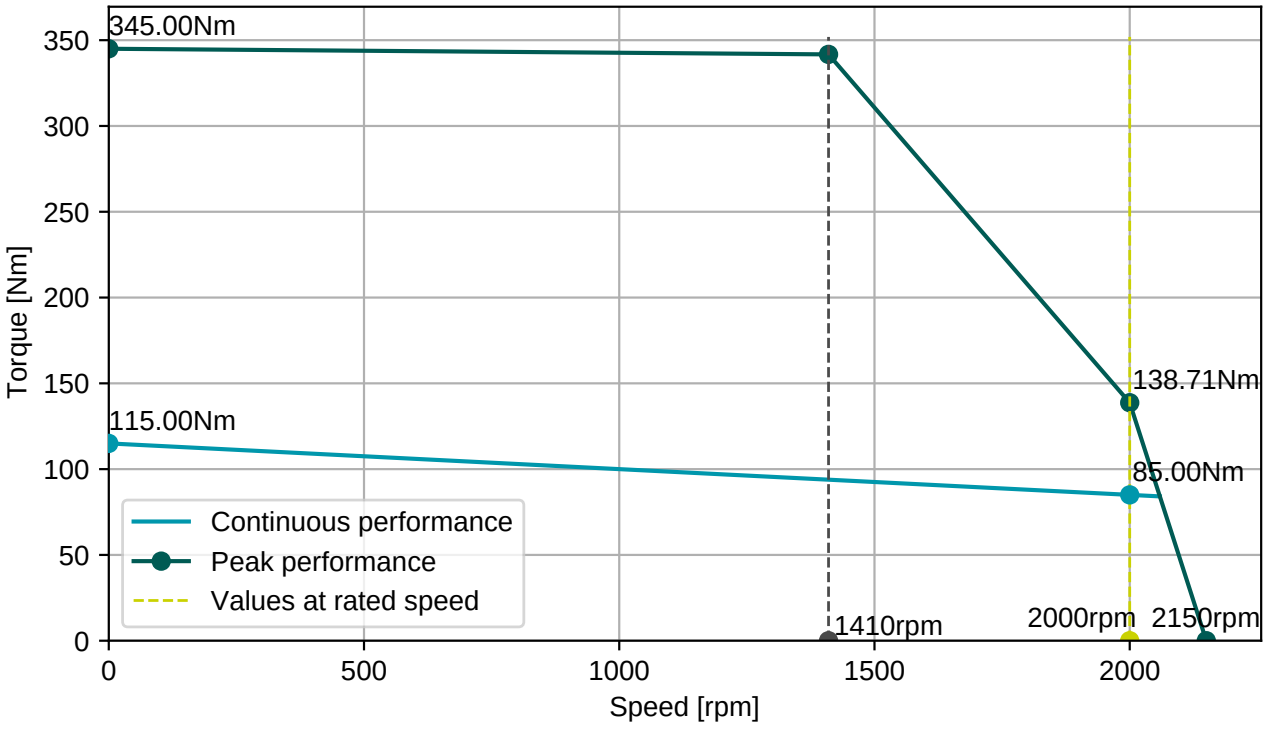
Mechanical data (setting 5)		
Max mechanical speed	3600	rpm
Mech. time constant	0.49	ms
Thermal time constant	90	min
Rotor inertia	190.1	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	99	kg
Max. axial force 20kh	396	N
Max. radial force 20kh*	2082	N
Max. axial force 100kh	231	N
Max. radial force 100kh*	1217	N

** Defined for point of action at ½ output shaft length*

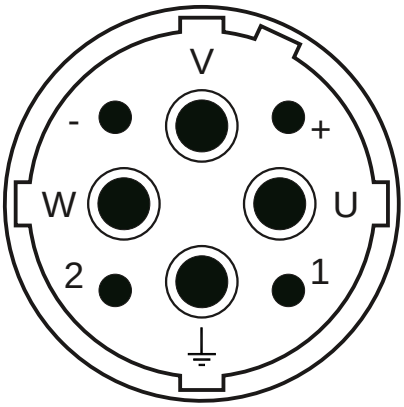
Sensors	
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

Brake		
Braking torque	145.00	Nm
Voltage	24	V DC
Power @20°C	50.0	W
Current @20°C	2.08	A
Inertia	56.00	kgcm²
Mass	9.50	kg

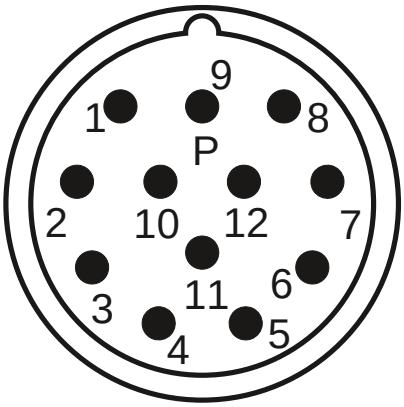
Torque / speed curve



CEA271N00000051000
M40, 8 poles, straight

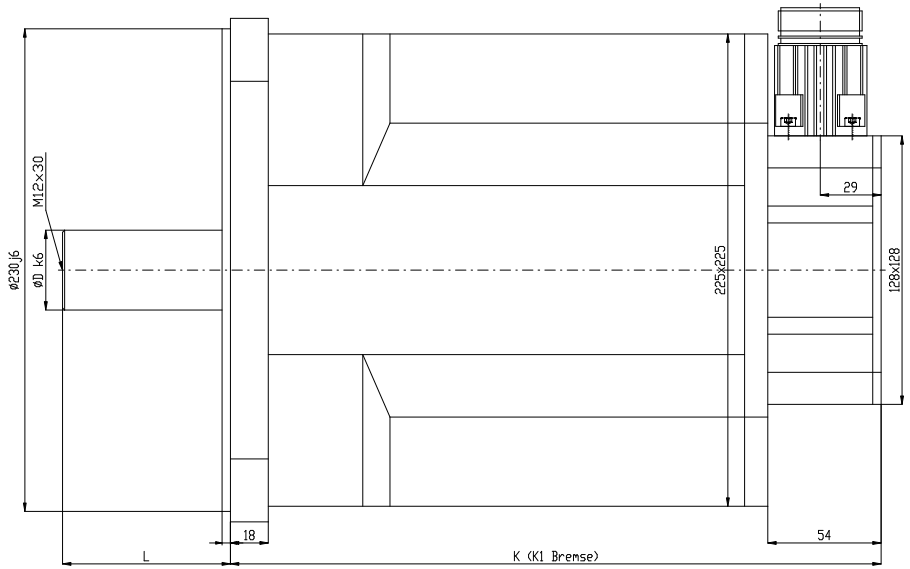


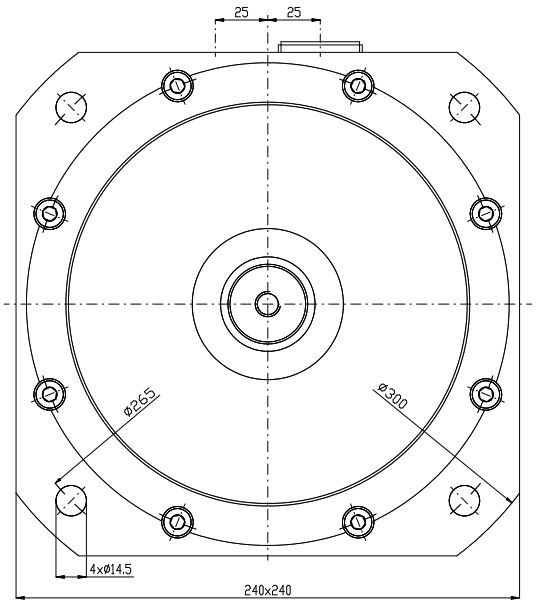
AEA052N00000201000
M23, 12 poles, straight



Connector 1 (151)	
U	U
V	V
W	W
PE	PE
+	Brake+
-	Brake-
1	Therm+
2	Therm-

Connector 2 (10)	
2	Therm+
3	S4
4	S3
5	R2
6	Therm-
7	S2
8	S1
9	R1





TYP	øD	L	K	K1
T8-400	ø38	80	310	378
T8-680	ø38	80	378	446
T8-930	ø42	110	446	514
T8-1150	ø42	110	514	582

INDEX	ZMĚNA	DATUM	PODPIS		
ZN.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
POM. ZAŘ.				ČSN	TŘ.Č.
VYPR.	NORM.REF.			POZN.	Č. KUSOVNÍKU
PŘEZK.					
TECHNOL.	SCHVÁLIL		29.5.2006	STARÝ V.	Č.V.
NÁZEV	Motor T8			T8000 00 Z	
				Listů	List