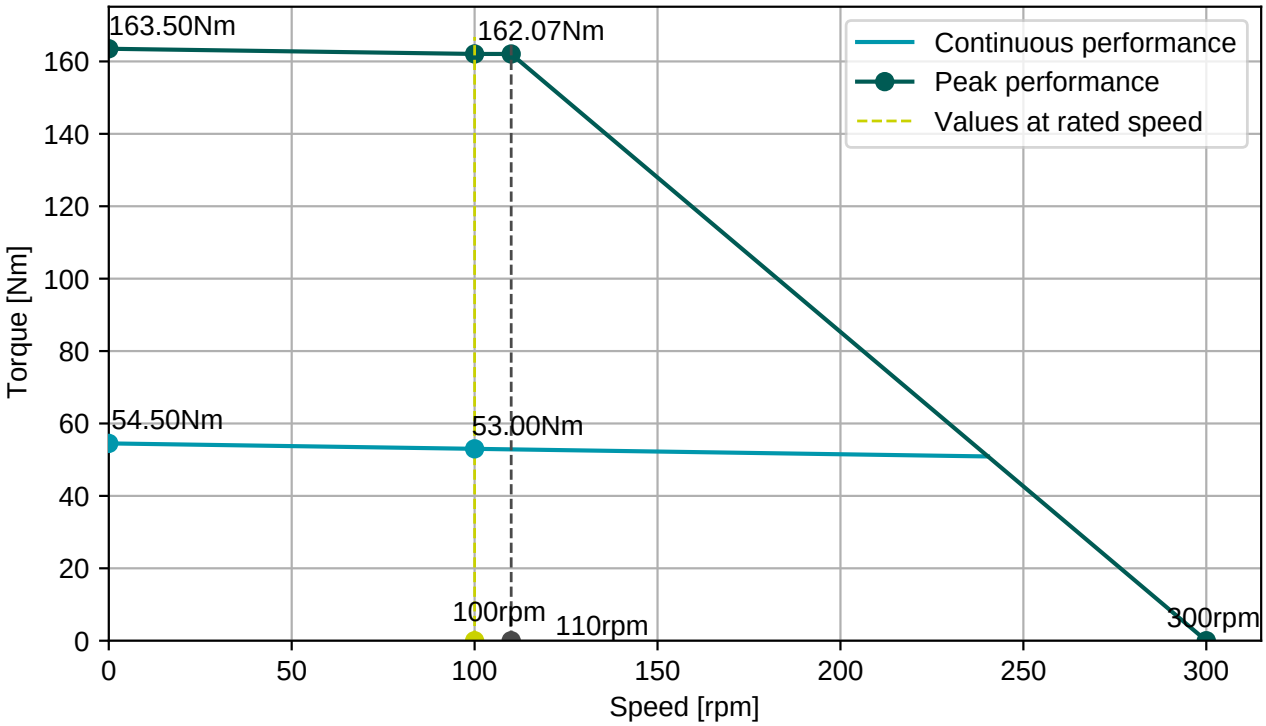
Engineering data (WIN 1613)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	191	V AC (rms)
Rated power	555	W
Rated speed	100	rpm
Rated torque	53.00	Nm
Rated current	2.61	A (rms)
Peak torque	163.5	Nm
Peak current	9.4	A (rms)
Stall torque	54.5	Nm
Stall current	2.61	A (rms)
No load speed	300	rpm
EMF constant ±10%	1263	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	20.89	Nm / A (rms)
Torque constant ±10% @ rated load	20.31	Nm / A (rms)
Number of poles	38	
Electrical time constant	3.27	ms
Winding terminal resistance	19.776	Ω
Rotary field terminal inductance	64.6	mH

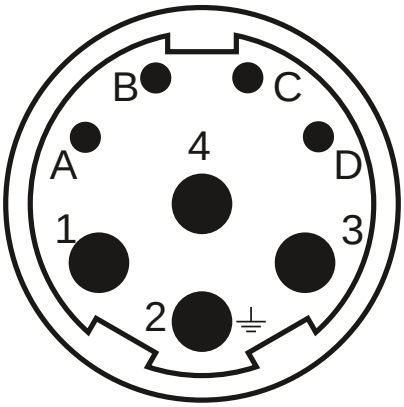
Customs info	
HS Code	85015100

Mechanical data (setting 48)		
Max mechanical speed	12000	rpm
Mech. time constant	1.26	ms
Thermal time constant	61	min
Rotor inertia	161	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	

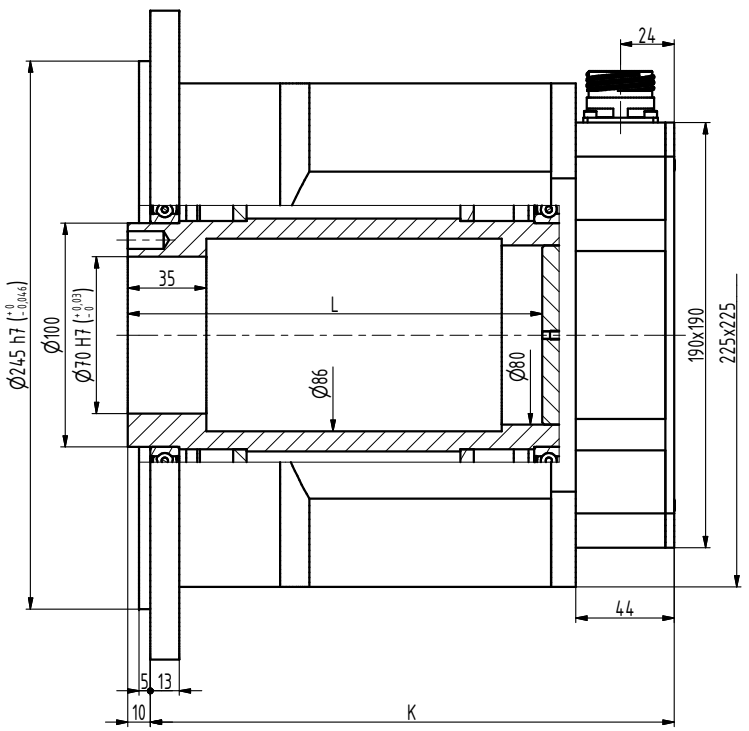
Sensors	
Temperature	PT1000 {PT1000}
Feedback	EDS35 (HDSL) single-turn, 24 bits

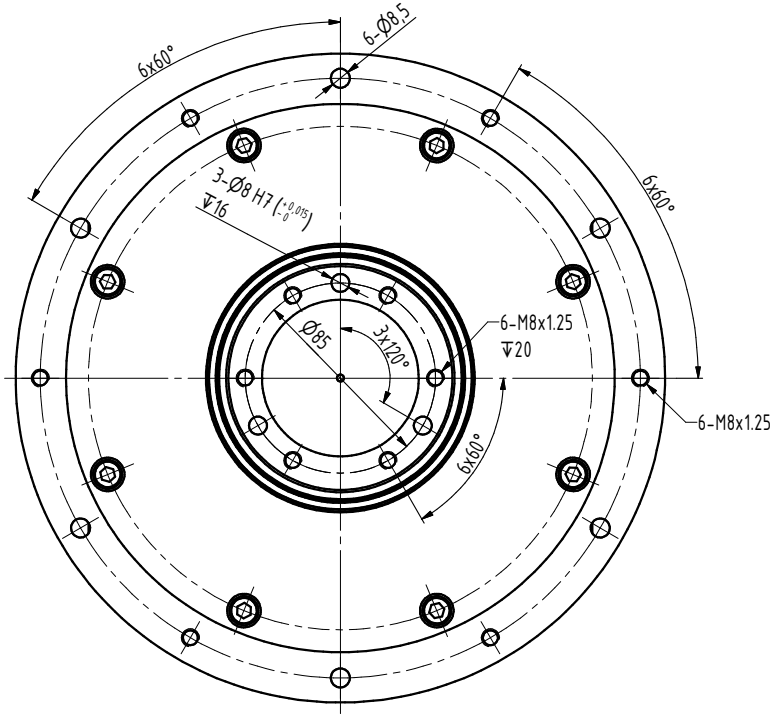
Torque / speed curve





Connector 1 (283)	
1	U
4	V
3	W
2	PE
A	Brake+
B	Brake-
C	GND/DSL-
D	+Us/DSL+





TYP	L	K
Q5-0280	95	144
Q5-0545	125	174
Q5-0810	155	204
Q5-1070	185	234
Q5-1340	215	264

INDEX	ZMĚNA	DATUM	PODPIS		
ZN.MAT.			T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.					
POM. ZAŘ.				ČSN	TŘ.Č.
VYPR. Ošlejšek		NORM.REF.		POZN.	Č. KUSOVNÍKU
PŘEKR.					
TECHNOL.		SCHVÁLIL Ošlejšek	13.01.2023	STARÝ V.	Č.V.

NÁZEV

Motor Q5

Q5007 00 Z

Listů List