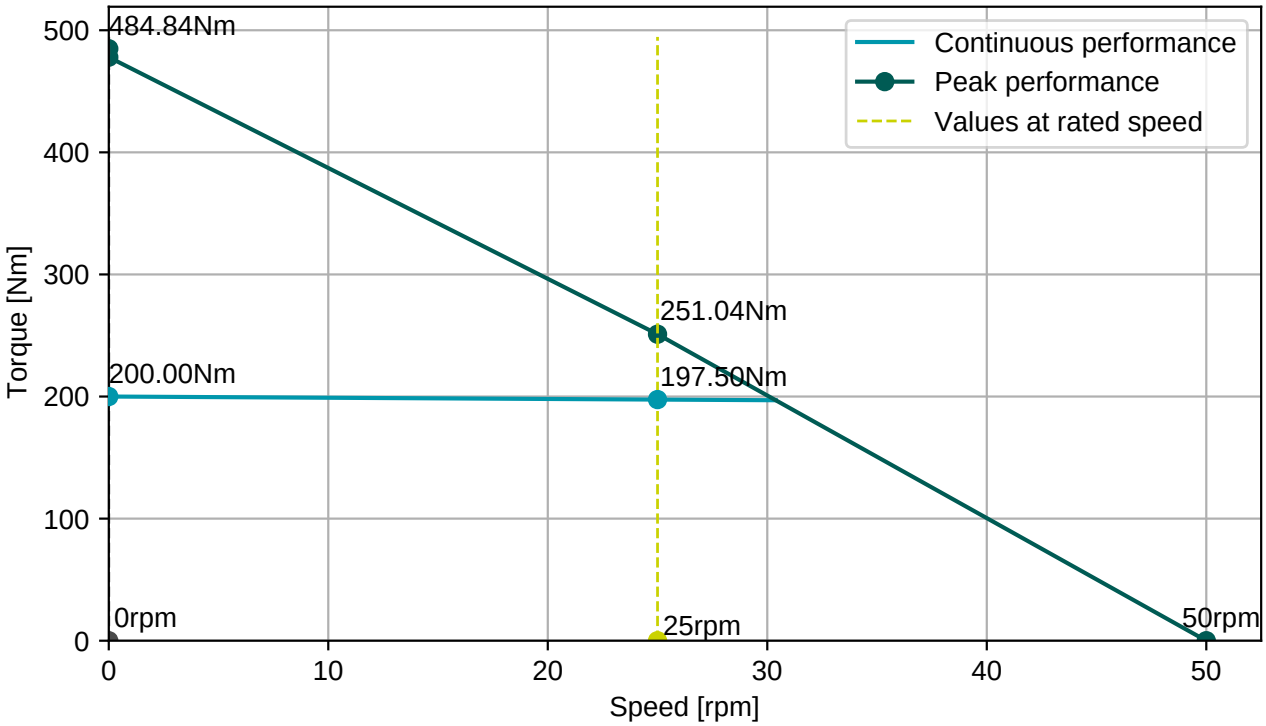
Engineering data (WIN 1437)		
DC bus voltage	24	V DC
Nominal AC voltage	17	V AC (rms)
Rated voltage	15	V AC (rms)
Rated power	517	W
Rated speed	25	rpm
Rated torque	197.50	Nm
Rated current	36.67	A (rms)
Peak torque	484.84	Nm
Peak current	102.5	A (rms)
Stall torque	200	Nm
Stall current	35.9	A (rms)
No load speed	50	rpm
EMF constant ±10%	337	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	5.574	Nm / A (rms)
Torque constant ±10% @ rated load	5.386	Nm / A (rms)
Number of poles	52	
Electrical time constant	12.34	ms
Winding terminal resistance	0.145	Ω
Rotary field terminal inductance	1.79	mH

Customs info	
HS Code	85015100

Mechanical data (setting 6)		
Max mechanical speed	2000	rpm
Mech. time constant	0.88	ms
Thermal time constant	69	min
Rotor inertia	1090	kgcm²
Protection	IP00	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	21.3	kg

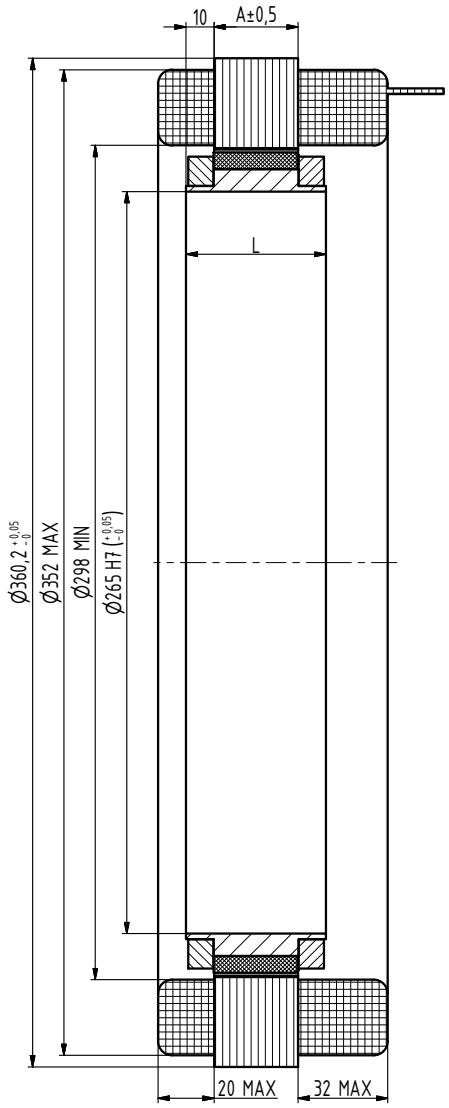
Sensors	
Temperature	PT1000 {PT1000}

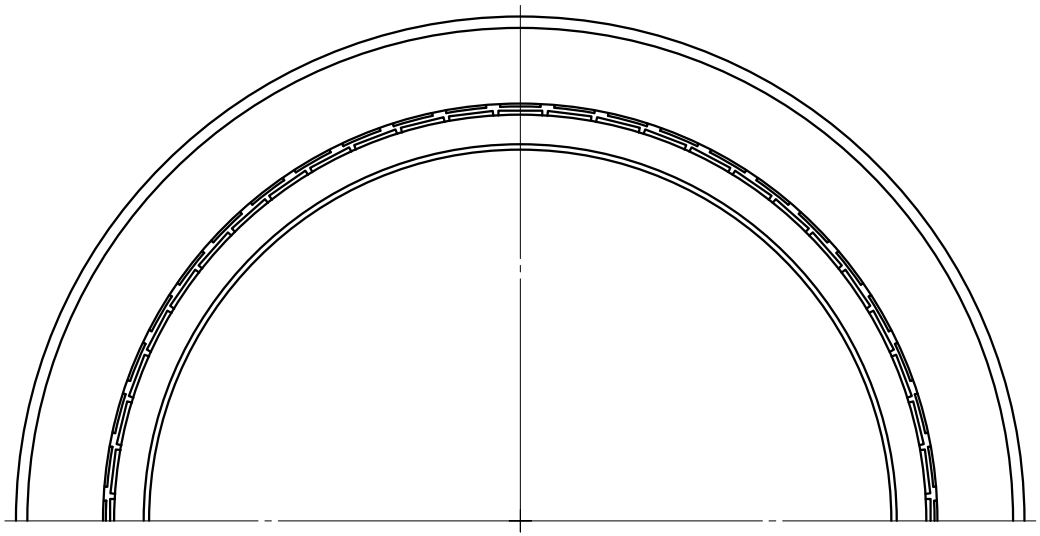
Torque / speed curve



Connector 1 (259)	
white	U
blue	V
red	W

2x Therm
2x Brake





TYP	A	L
Q7-1050	30	50
Q7-2000	60	80
Q7-2900	90	110
Q7-3800	120	140
Q7-4690	150	170

INDEX	ZMĚNA	DATUM	PODPIS

ZN.MAT.		T.O.	HMOTNOST kg	MĚŘ.
ROZM.-POLOT.				
POM. ZAŘ.			ČSN	TŘ.Č.
VYPR. Šimík	NORM.REF.		POZN.	Č. KUSOVNÍKU
PŘEKR. Šimík 15.11.2017				
TECHNOL.	SCHVÁLIL Ošlejšek	19.10.2016	STARÝ V.	Č.V.

NÁZEV
Motor Q7

Q7000 00 Z

Listů List