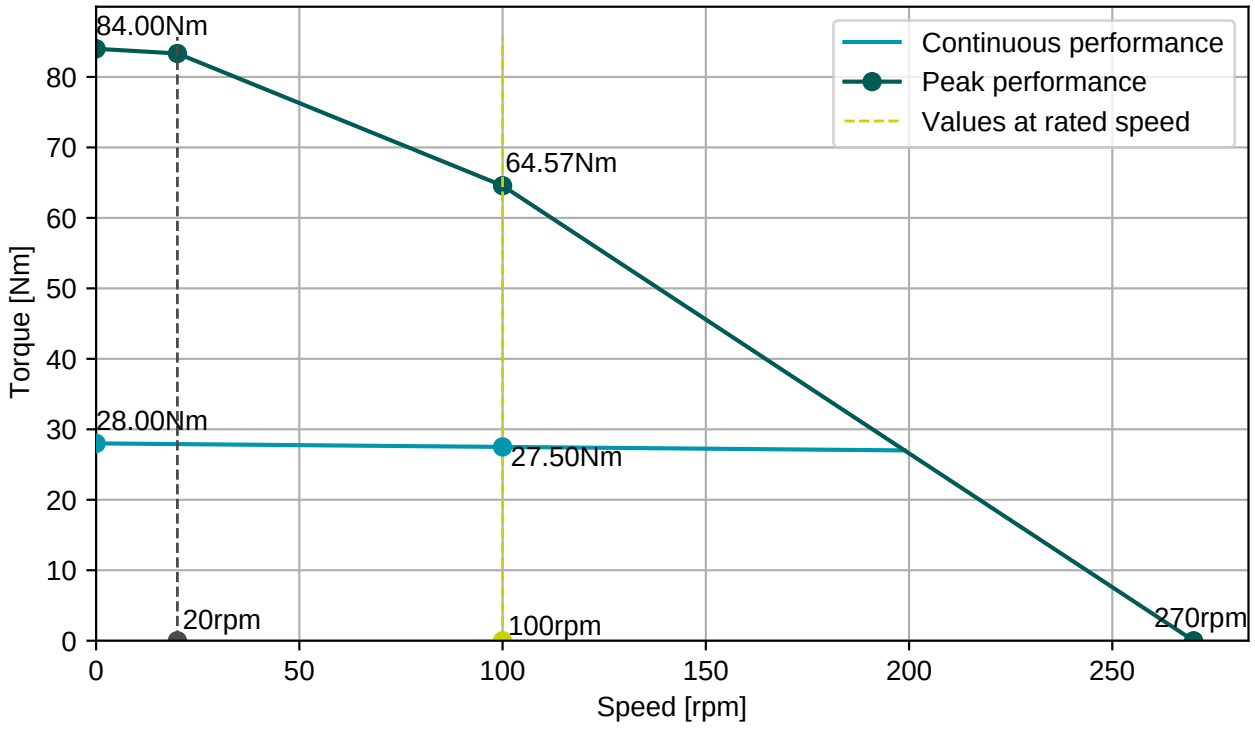
Engineering data (WIN 1597)		
DC bus voltage	24	V DC
Nominal AC voltage	17	V AC (rms)
Rated voltage	11	V AC (rms)
Rated power	288	W
Rated speed	100	rpm
Rated torque	27.50	Nm
Rated current	27.08	A (rms)
Peak torque	84	Nm
Peak current	97.6	A (rms)
Stall torque	28	Nm
Stall current	26.9	A (rms)
No load speed	270	rpm
EMF constant ±10%	63	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	1.042	Nm / A (rms)
Torque constant ±10% @ rated load	1.016	Nm / A (rms)
Number of poles	38	
Electrical time constant	2.37	ms
Winding terminal resistance	0.135	Ω
Rotary field terminal inductance	0.32	mH

Customs info	
HS Code	85015100

Mechanical data (setting 6)		
Max mechanical speed	12000	rpm
Mech. time constant	1.96	ms
Thermal time constant	33	min
Rotor inertia	91.2	kgcm²
Protection	IP00	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	5	kg

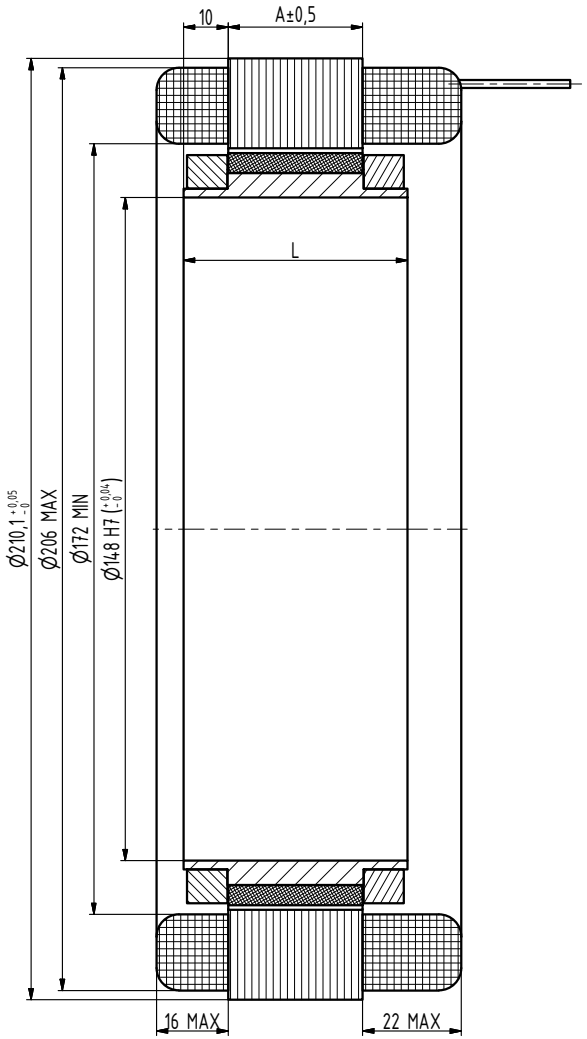
Sensors	
Temperature	PT1000 {PT1000}

Torque / speed curve



Connector 1 (259)	
white	U
blue	V
red	W

2x Therm
2x Brake



TYP	A	L
Q5-0280	30	50
Q5-0545	60	80
Q5-0810	90	110
Q5-1070	120	140
Q5-1340	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.				
TECHNOL.	SCHVÁLIL Ošlejšek	19.10.2016	STARÝ V.	Č.V.

NÁZEV

Motor Q5

Q5000 00 Z

Listů List