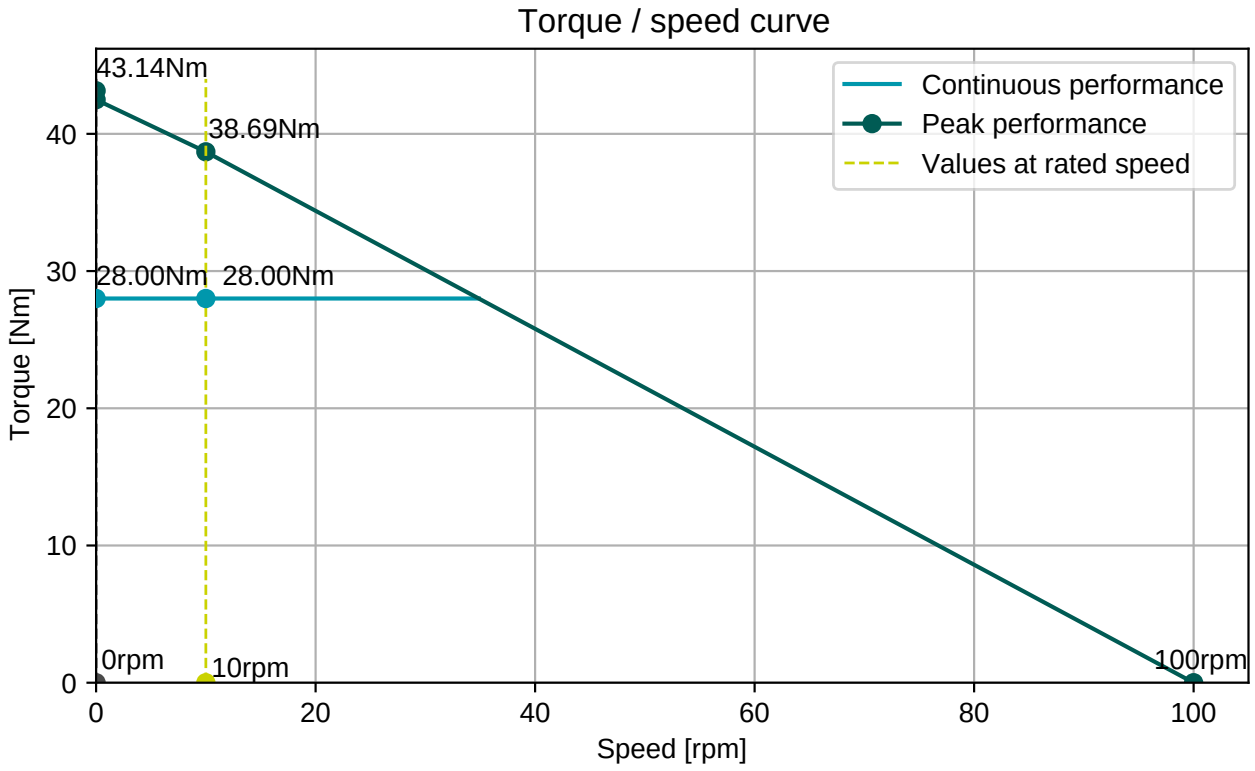
Engineering data (WIN -100028)		
DC bus voltage	28	V DC
Nominal AC voltage	19	V AC (rms)
Rated voltage	14	V AC (rms)
Rated power	29	W
Rated speed	10	rpm
Rated torque	28.00	Nm
Rated current	9.63	A (rms)
Peak torque	43.14	Nm
Peak current	14.49	A (rms)
Stall torque	28	Nm
Stall current	9.4	A (rms)
No load speed	100	rpm
EMF constant ±10%	180	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	2.98	Nm / A (rms)
Torque constant ±10% @ rated load	2.91	Nm / A (rms)
Number of poles	38	
Electrical time constant	2.44	ms
Winding terminal resistance	1.08	Ω
Rotary field terminal inductance	2.64	mH

Customs info	
HS Code	85015100

Mechanical data (setting 6)		
Max mechanical speed	4000	rpm
Mech. time constant	1.92	ms
Thermal time constant	51	min
Rotor inertia	91.2	kgcm²
Protection	IP00	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	5	kg

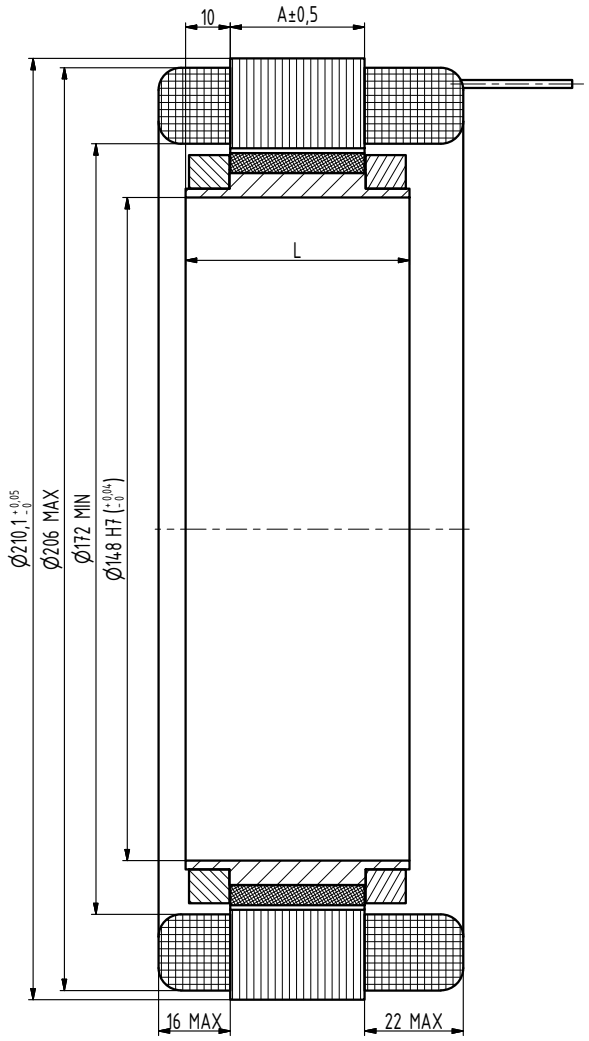
Sensors	
Temperature	3x PT1000 separately routed {3 x PT1000}

Note
Preliminary



Connector 1 (322)	
white	U
blue	V
red	W

2x Therm



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