Engineering data (WIN 1486)		
DC bus voltage	24	V DC
Nominal AC voltage	17	V AC (rms)
Rated voltage	16	V AC (rms)
Rated power	160	W
Rated speed	3000	rpm
Rated torque	0.51	Nm
Rated current	9.01	A (rms)
Peak torque	1.79	Nm
Peak current	32.1	A (rms)
Stall torque	0.54	Nm
Stall current	8.9	A (rms)
No load speed	4560	rpm
EMF constant ±10%	3.65	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.06	Nm / A (rms)
Torque constant ±10% @ rated load	0.06	Nm / A (rms)
Number of poles	6	
Electrical time constant	1.26	ms
Winding terminal resistance	0.438	Ω
Rotary field terminal inductance	0.55	mH

Customs info	
HS Code	85015100

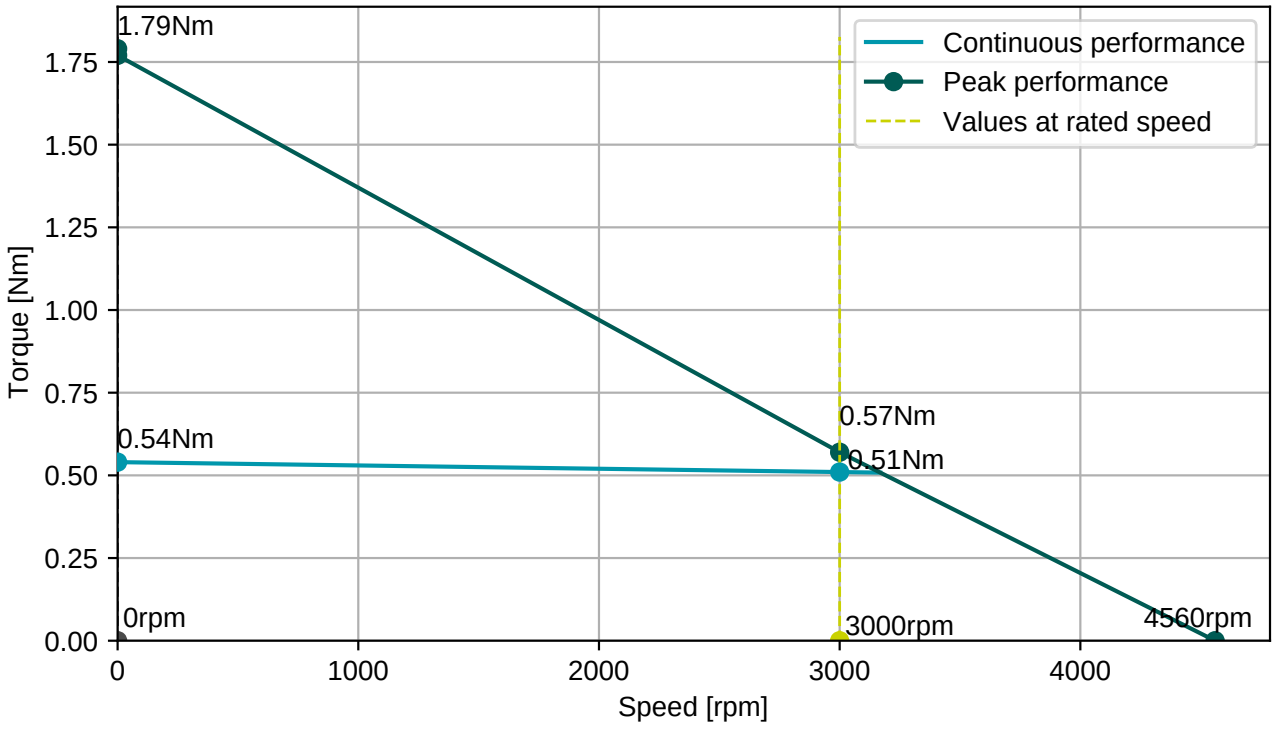
Mechanical data (setting 6)		
Max mechanical speed	12000	rpm
Mech. time constant	1.46	ms
Thermal time constant	12	min
Rotor inertia	0.07	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	0.9	kg

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

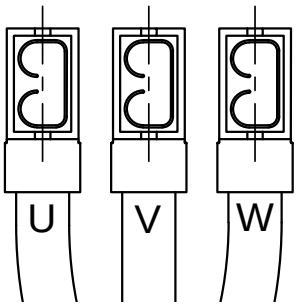
Note

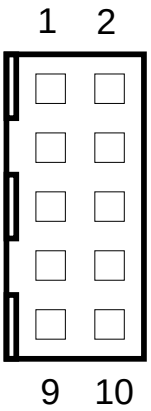
Wires U,V,W = Length will be 65mm including connectors
Resolver and PT1000 = Length will be 65mm

Torque / speed curve



Female Angled Terminal

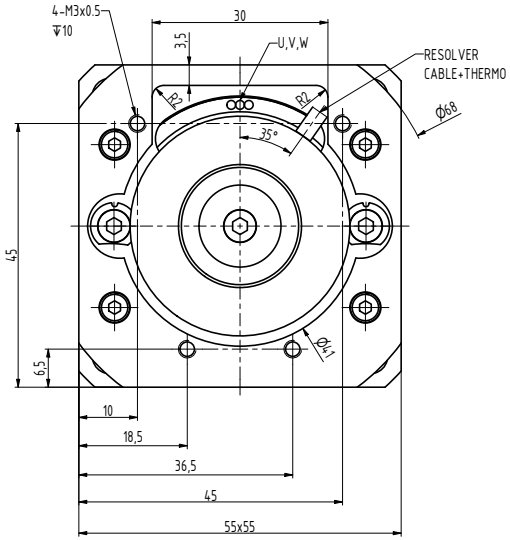


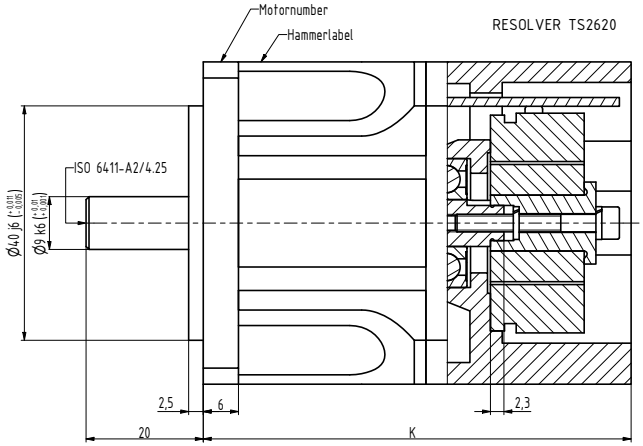


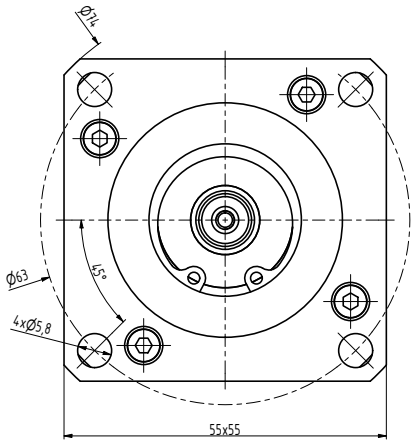
Connector 1 (171)	
white	U
blue	V
red	W

Wires ends assembled by round Female Right Angled Terminal

Connector 2 (170)	
1	S1 (red)
2	S3 (black)
3	S4 (blue)
4	S2 (yellow)
5	R2 (yellow/white)
6	R1 (red/white)
7	Brake+
8	Brake-
9	Therm-
10	Therm+







TYP	K
N2-0028	73
N2-0054	88
N2-0075	103
N2-0095	118

				MATERIAL		
				PROJECTION		
						NAME / DATE
				NON-TOLERANCED DIMENSIONS ISO 2768-mK	DRAW	Ošlejšek 07.06.2022
					APPROVED	Ošlejšek 07.06.2022
IND	CHANGE	DATE	NAME		REDRAWN	Ošlejšek 24.08.2026
Motor N2		N2114 04 Z			REVISION	SHEET 1/1