Engineering data (WIN 1216)		
DC bus voltage	320	V DC
Nominal AC voltage	220	V AC (rms)
Rated voltage	194	V AC (rms)
Rated power	911	W
Rated speed	3000	rpm
Rated torque	2.90	Nm
Rated current	3.32	A (rms)
Peak torque	9.45	Nm
Peak current	14.3	A (rms)
Stall torque	3.25	Nm
Stall current	3.27	A (rms)
No load speed	3650	rpm
EMF constant ±10%	60	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.992	Nm / A (rms)
Torque constant ±10% @ rated load	0.873	Nm / A (rms)
Number of poles	10	
Electrical time constant	2.97	ms
Winding terminal resistance	4.273	Ω
Rotary field terminal inductance	12.7	mH

Customs info	
HS Code	85015220

Mechanical data (setting 0)		
Max mechanical speed	12000	rpm
Mech. time constant	0.83	ms
Thermal time constant	33	min
Rotor inertia	1.1	kgcm²
Protection	IP65	
Color	RAL 9005	
Cooling	Convection	
Cable length	0.3	m
Motor-only mass	1.93	kg

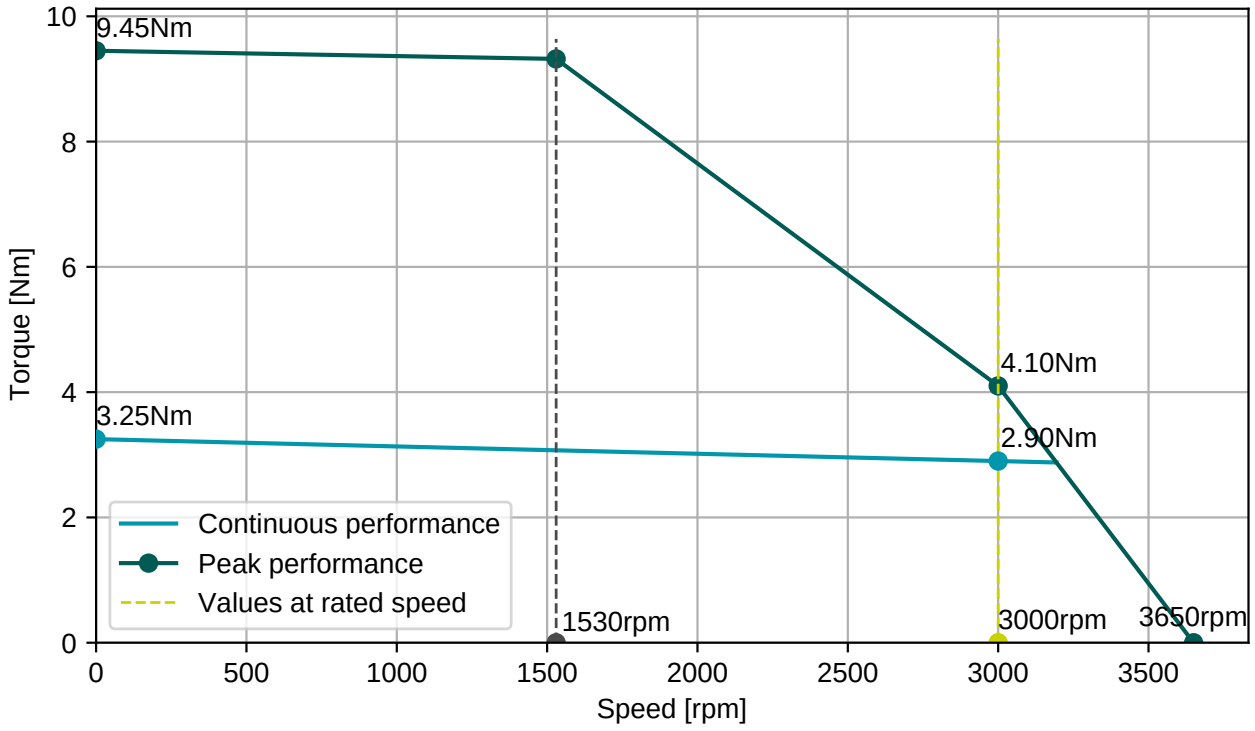
Sensors	
Temperature	PT1000 {PT1000}
Feedback	2-pole resolver (ER5Kd411, TS2620N21E11, RE-15-1-A15)

Brake		
Braking torque	4.50	Nm
Voltage	24	V DC
Power @20°C	12.0	W
Current @20°C	0.50	A
Inertia	0.20	kgcm²
Mass	0.47	kg

Note

power wires U,V,W - length 300mm
brake, resolver, PT1000 - length 200-250mm

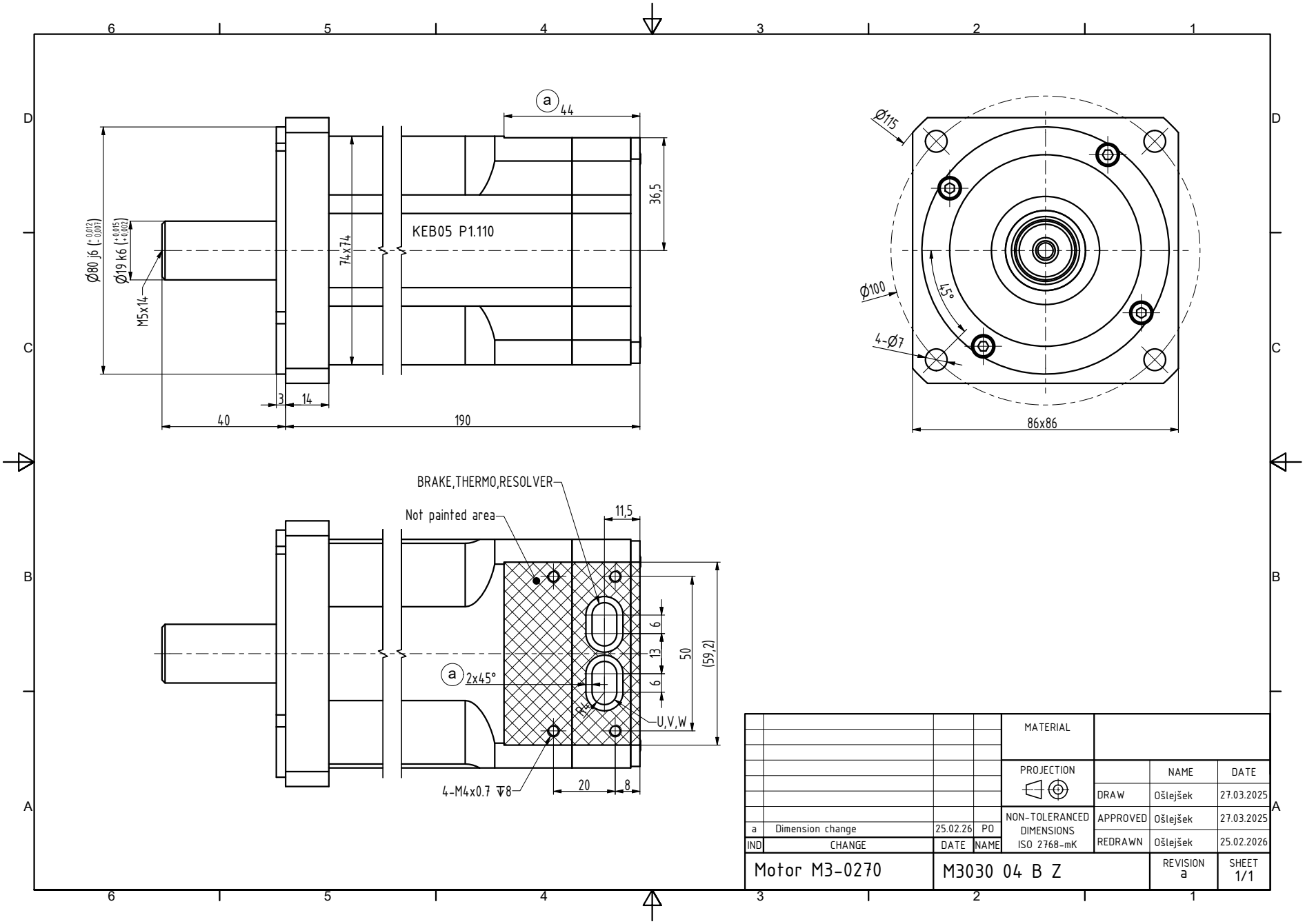
Torque / speed curve



Connector 1 (259)	
white	U
blue	V
red	W

2x Therm
2x Brake

Connector 2 (32)	
red-white	R1
black-white	R2
yellow-white	R2)
red	S1
yellow	S2
black	S3
blue	S4



				MATERIAL			
				PROJECTION		NAME	DATE
					DRAW	Ošlejšek	27.03.2025
a	Dimension change	25.02.26	PO	NON-TOLERANCED DIMENSIONS ISO 2768-mK	APPROVED	Ošlejšek	27.03.2025
IND	CHANGE	DATE	NAME		REDRAWN	Ošlejšek	25.02.2026
Motor M3-0270		M3030 04 B Z			REVISION a	SHEET 1/1	