Engineering data (WIN -100037)		
DC bus voltage	48	V DC
Nominal AC voltage	33	V AC (rms)
Rated voltage	28	V AC (rms)
Rated power	6.6	kW
Rated speed	3000	rpm
Rated torque	21.00	Nm
Rated current	148.08	A (rms)
Peak torque	52	Nm
Peak current	396.45	A (rms)
Stall torque	27.3	Nm
Stall current	186.5	A (rms)
No load speed	3730	rpm
EMF constant ±10%	8.9	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	0.15	Nm / A (rms)
Torque constant ±10% @ rated load	0.14	Nm / A (rms)
Number of poles	10	
Electrical time constant	7.50	ms
Winding terminal resistance	0.004	Ω
Rotary field terminal inductance	0.03	mH

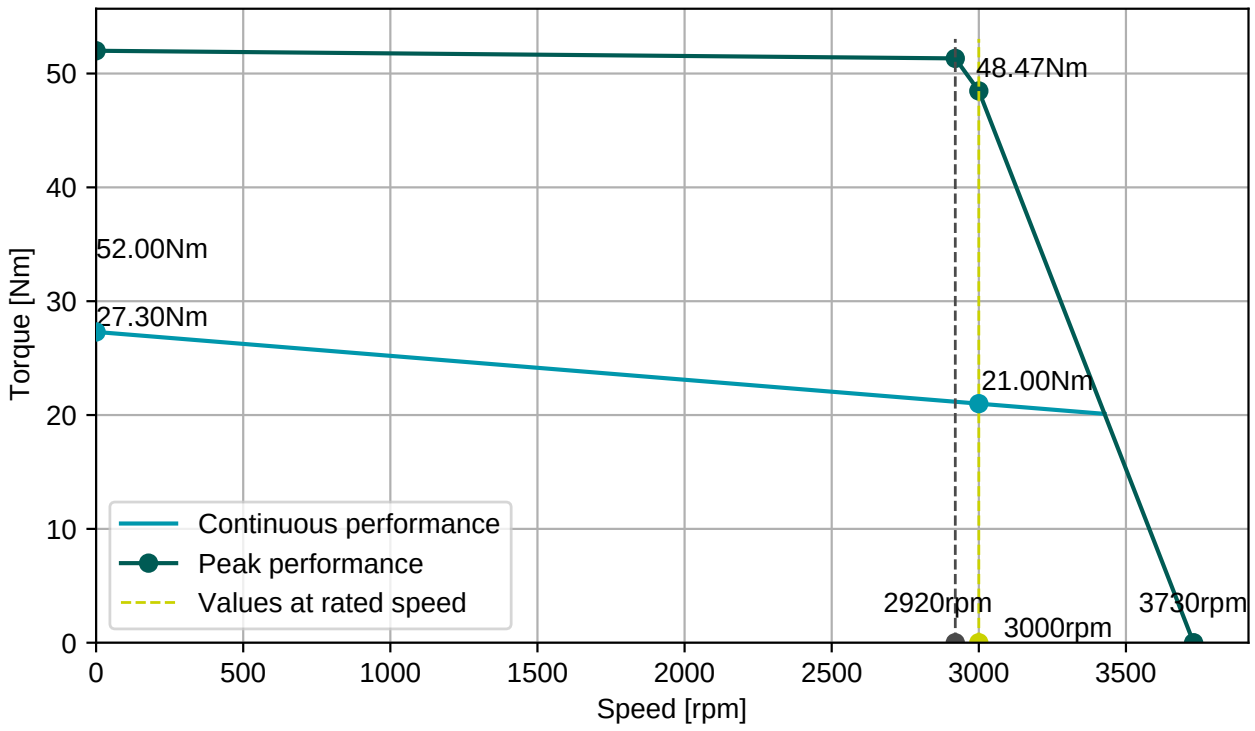
Customs info	
HS Code	85015220

Mechanical data (setting 5)		
Max mechanical speed	9000	rpm
Mech. time constant	0.75	ms
Thermal time constant	80	min
Rotor inertia	23.4	kgcm²
Protection	IP65	
Color	RAL 9005	
Cooling	Convection	

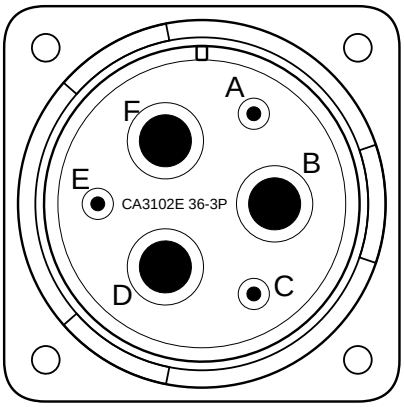
Sensors	
Temperature	PT1000 {PT1000}
Feedback	AD36 (BISS-C) multi-turn, 22+12 bits, 5 VDC

Brake		
Braking torque	18.00	Nm
Voltage	24	V DC
Power @20°C	24.0	W
Current @20°C	1.00	A
Inertia	2.00	kgcm²
Mass	1.80	kg

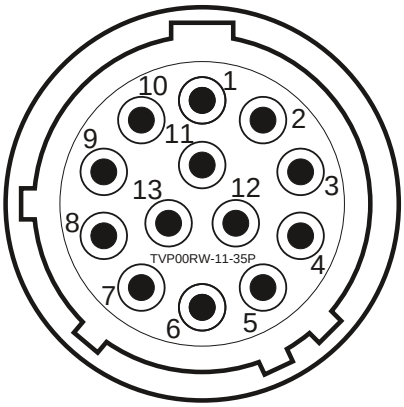
Torque / speed curve



CA3102E36-3P-B-A232-F0

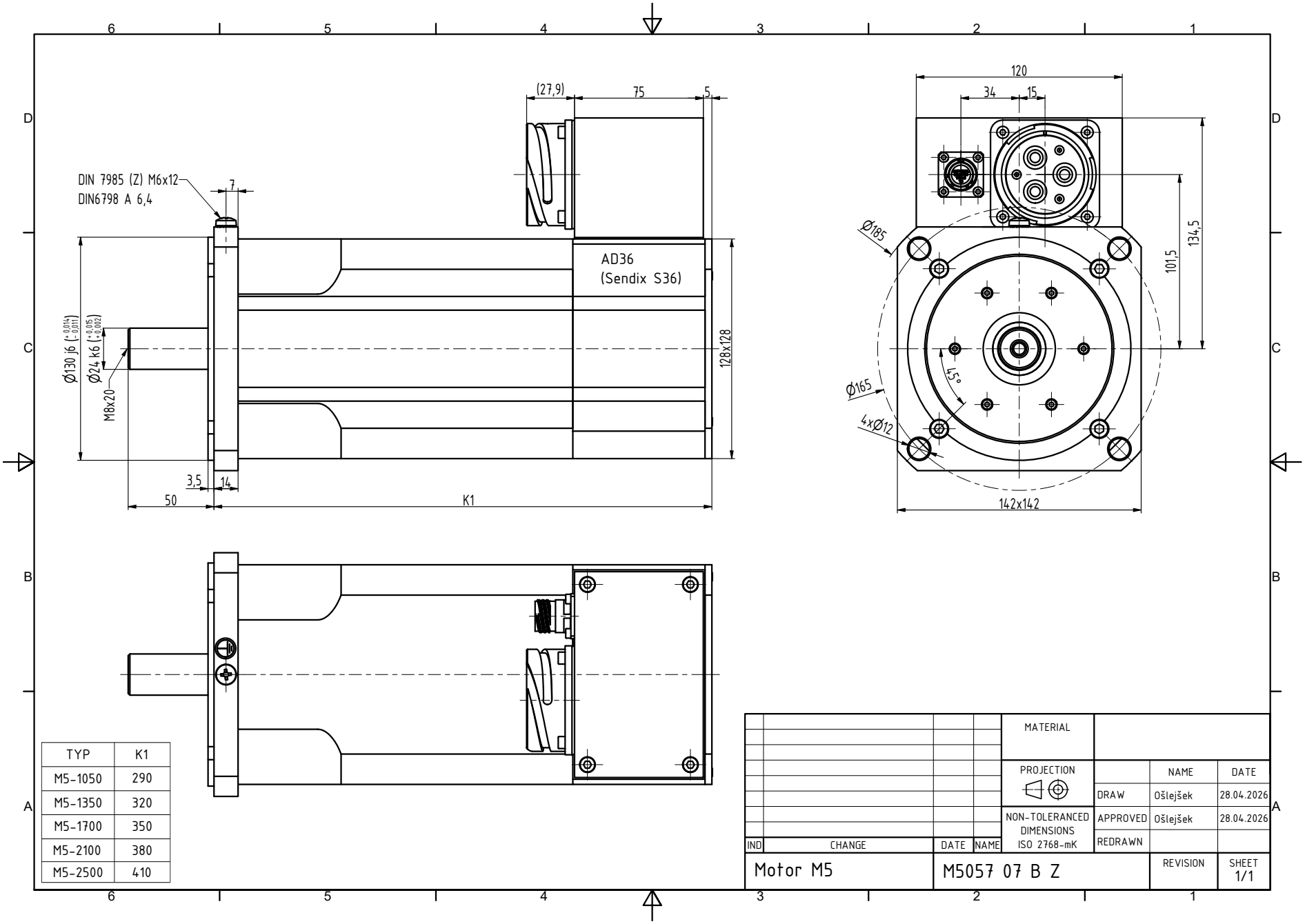


TVP00RW-11-35P
(D38999/20ZB35PN)



Connector 1 (552)	
A	GND
B	U
C	Brake+
D	V
E	Brake-
F	W

Connector 2 (520)	
1	Vcc
2	GND
3	DATA
4	DATA-
5	CLOCK
6	CLOCK-
7	Therm+
8	Therm-



TYP	K1
M5-1050	290
M5-1350	320
M5-1700	350
M5-2100	380
M5-2500	410

IND	CHANGE	DATE	NAME

MATERIAL

PROJECTION

NON-TOLERANCED DIMENSIONS ISO 2768-mK

	NAME	DATE
DRAW	Ošlejšek	28.04.2026
APPROVED	Ošlejšek	28.04.2026
REDRAWN		

Motor M5

M5057 07 B Z

REVISION

SHEET 1/1