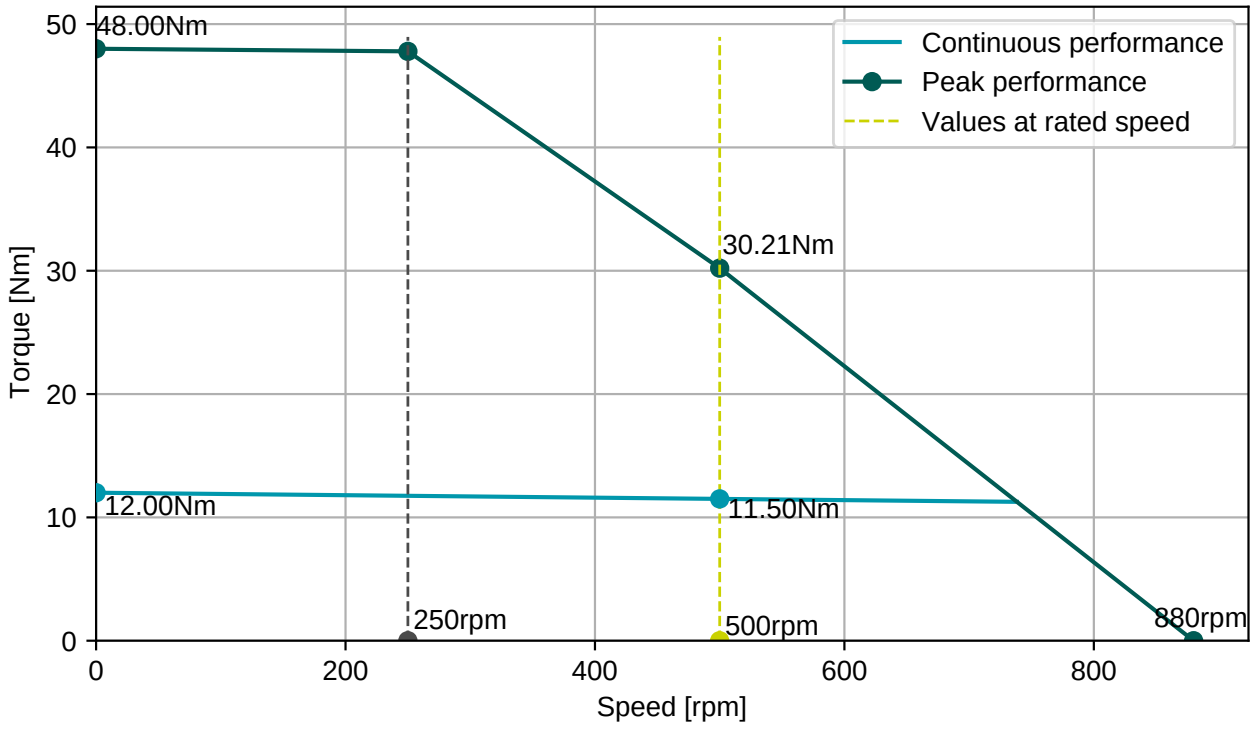
Engineering data (WIN 1412)		
DC bus voltage	560	V DC
Nominal AC voltage	380	V AC (rms)
Rated voltage	272	V AC (rms)
Rated power	602	W
Rated speed	500	rpm
Rated torque	11.50	Nm
Rated current	1.64	A (rms)
Peak torque	48	Nm
Peak current	8.1	A (rms)
Stall torque	12	Nm
Stall current	1.68	A (rms)
No load speed	880	rpm
EMF constant ±10%	433	V AC (rms) / 1000rpm
Theoretical torque constant ±10%	7.162	Nm / A (rms)
Torque constant ±10% @ rated load	7.012	Nm / A (rms)
Number of poles	22	
Electrical time constant	2.89	ms
Winding terminal resistance	24.004	Ω
Rotary field terminal inductance	69.3	mH

Customs info	
HS Code	85015100

Mechanical data (setting 49)		
Max mechanical speed	6000	rpm
Mech. time constant	0.99	ms
Thermal time constant	36	min
Rotor inertia	12.2	kgcm²
Protection	IP64	
Color	RAL 9005	
Cooling	Convection	
Motor-only mass	5.3	kg

Sensors	
Temperature	PT1000 {PT1000}
Feedback	SES90 (Hiperface) single-turn, 64 imp.rev.

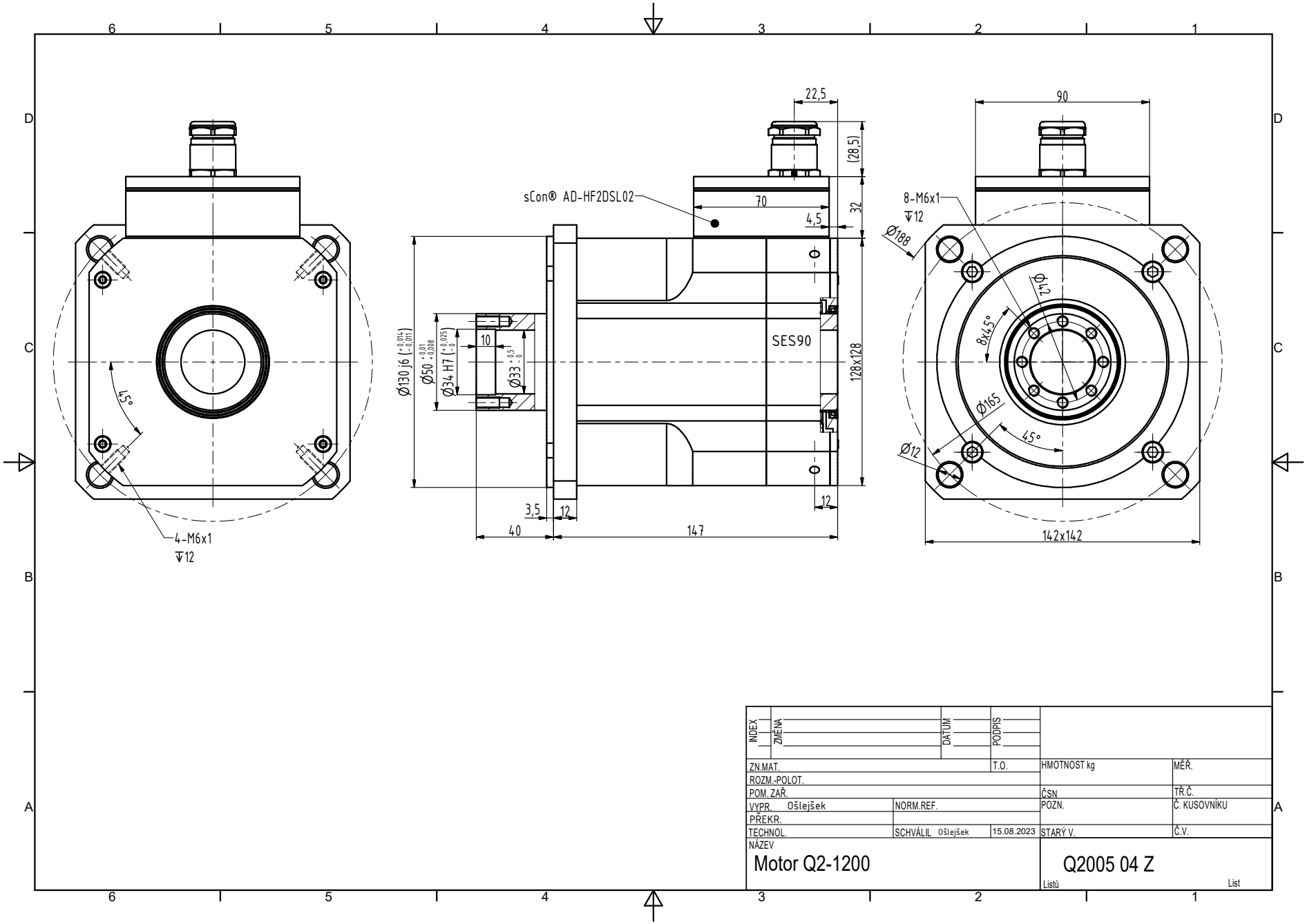
Torque / speed curve



Cable DSL4x1 (2x0,25) , D=10,3±0,4mm

Connector 1 (500)	
1	U
2	V
3	W
PE	PE
5	Brake+
6	Brake-
brown	+Us/DSL+
white	GND/DSL-

Numbers printed on the cables



INDEX	ZMĚNA	DATUM	PODPIS		
ZN.MAT.		T.O.	HMOTNOST kg	MĚŘ.	
ROZM.-POLOT.					
POM. ZAŘ.			ČSN	TŘ.Č.	
VYPR. Ošlejšek	NORM.REF.		POZN.	Č. KUSOVNÍKU	
PŘEKR.					
TECHNOL.	SCHVÁLIL Ošlejšek	15.08.2023	STARÝ V.	Č.V.	
NÁZEV: Motor Q2-1200			Q2005 04 Z		
			Listů	List	