



Figure similar

Data sheet for SIMOTICS T-1FW3

Article No. : 1FW3202-1CE62-5AS0

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Engineering data

	P_N [kW]	M_N [Nm]	I_N [A]	n_N [rpm]	M_{max} [Nm]	I_{max} [A]	$n_{max, inv}$ [rpm]	M_0 [Nm]	I_0 [A]
ALM 400V	7.9	500	21	150	925	47	380	525	22
ALM 480V	8.9	500	21	170	925	47	380	525	22
SLM 400V	7.3	500	21	140	925	47	380	525	22
SLM 480V	8.4	500	21	160	925	47	380	525	22

Mechanical data

Motor type	Permanent-magnet synchronous motor
Shaft height	200
Cooling	Water cooling
Vibration severity grade	Grade A
Shaft and flange accuracy	Tolerance N (at normal running temperature)
Degree of protection	IP55
Design acc. to Code I	IM B14
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Anthracite grey RAL 7016 (Standard)
Type of the bearing	Normal (Standard)
Shaft extension	Plug-on shaft
Encoder system	Absolute encoder 24 bit + 12 bit multiturn (AM24DQi)
Encoder mounting system	Coaxial mounted
Sound pressure level LpA(1m) motor rated load, tolerance + 3dB	73 dB ¹⁾

Limiting data

Max. permissible speed (mech.)	1,000 rpm
Max. permissible speed (inverter)	380 rpm
Maximum torque	925 Nm
Maximum current	47 A

Physical constants

Thermal time constant	10 min
Moment of inertia	3,900 kgcm ²
Weight (approx.)	200 kg

Connection

Type of electrical connection	Terminal box for power cable, connector for encoder signals and temperature sensor
Terminal box position	Transverse right
Power connection	Terminal box top

¹⁾at 4 kHz rated pulse frequency at the rated operating point