



Figure similar

Data sheet for SIMOTICS T-1FW3

Article No. : 1FW3206-3CP65-8AP0-Z
L03

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	114.0	1,360	192	800	2,400	365	1,260	1,500	210
ALM 480V	130.0	1,310	185	950	2,400	365	1,260	1,500	210
SLM 400V	103.0	1,380	194	710	2,400	365	1,260	1,500	210
SLM 480V	121.0	1,340	189	860	2,400	365	1,260	1,500	210

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 B5
Temperature monitoring	Pt1000 temperature sensor in the stator winding
Color	Anthracite grey RAL 7016 (Standard)
Type of the bearing	Normal (Standard)
Shaft end	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.)	1,800 rpm
Max. permissible speed (inverter)	1,260 rpm
Maximum torque	2,400 Nm
Maximum current	365 A

Physical constants

Thermal time constant	10 min
Moment of inertia	9,400 kgcm ²
Weight (approx.)	340 kg

Connection

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

Special design

L03 Version for increased vibration stress

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