



Figure similar

Data sheet for SIMOTICS T-1FW3

Article No. : 1FW3155-1BL62-7AS0-Z
K40+V07

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	21.0	400	43	500	800	103	960	420	45
ALM 480V	25.0	400	43	600	800	103	960	420	45
SLM 400V	18.8	400	43	450	800	103	960	420	45
SLM 480V	23.0	400	43	550	800	103	960	420	45

Mechanical data

Motor type	Permanent-magnet synchronous motor
Shaft height	150
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 singleturn 24 bit (AS24DQI)
Encoder mounting system	Coaxial mounted
Sound pressure level LpA(1m) motor rated load, tolerance + 3dB	73 dB ¹⁾

Limiting data

Max. permissible speed (mech.)	1,700 rpm
Max. permissible speed (inverter)	960 rpm
Maximum torque	800 Nm
Maximum current	103 A

Physical constants

Thermal time constant	4 min
Moment of inertia	2,900 kgcm ²
Weight (approx.)	163 kg

Connection

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

Special design

- K40Regreasing system
- V07Special grease lubrication for low speeds

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