



Figure similar

Data sheet for SIMOTICS T-1FW3

Article No. : 1FW3152-1UH72-6AA0-Z
K40+T20

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	6.3	200	14	300	400	35	630	210	15
ALM 480V	7.5	200	14	360	400	35	630	210	15
SLM 400V	5.7	200	14	270	400	35	630	210	15
SLM 480V	6.9	200	14	330	400	35	630	210	15

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	IP54
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	Hollow shaft
Encoder system	Resolver 15bit (resolution 32768, internal, mutli-pole) (resolver R15DQ)
Encoder mounting system	Belt-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)	630 rpm
Maximum torque	400 Nm
Maximum current	35 A

Physical constants

Thermal time constant	4 min
Moment of inertia	1,600 kgcm ²
Weight (approx.)	108 kg

Connection

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

Special design

- K40 Regreasing system
- T20 Shaft cover at NDE

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