

Data sheet for three-phase Squirrel-Cage-Motors



Type: 1TZ9 C 250M-4
L23+L25

Motor type: 1CV3252B

Customer:

Order no.:

Remarks:

Date:

Our order:

Item no:

U	Δ / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I/I _N	T/T _N	T _B /T _N	
400	Δ	50	55.00	- / -	96.00	1482	354.0	94.6	95.1	95.0	0.87	0.84	0.76	6.8	2.5	2.9	IE3
690	Y	50	55.00	- / -	56.00	1482	354.0	94.6	95.1	95.0	0.87	0.84	0.76	6.8	2.5	2.9	IE3
460	Δ	60	63.00	- / -	97.00	1782	338.0	94.1	94.5	94.4	0.87	0.84	0.77	6.7	2.4	2.8	IE2
460	Δ	60	55.00	- / -	84.00	1786	294.0	95.4	95.6	95.1	0.86	0.83	0.74	7.6	2.8	3.2	IE3
IM B5 / IM 3001			FS 250 M		420 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data		
Sound pressure level 50Hz/60Hz (load)	66 dB(A) ¹⁾	68 dB(A) ¹⁾
Moment of inertia	0.85 kg m²	
Bearing DE NDE	6315 C3	6315 C3
Relubrication interval/quantity (AS BS)	25 g 25 g	8000 h
Lubricants	Unirex N3	
Regreasing device	Yes	
Grease nipple	M10x1 DIN 3404 A	
Type of bearing	Locating bearing NDE	
Condensate drainage holes	Yes (standard)	
External earthing terminal	Yes (standard)	
Vibration severity grade	A	
Insulation	155(F) to 130(B)	
Duty type	S1	
Direction of rotation	bidirectional	
Frame material	cast iron	
Data of anti condensation heating	-/-	
Coating (paint finish)	Standard paint finish C2	
Color, paint shade	RAL7030	
Motor protection	(A) without (Standard)	
Method of cooling	IC411 - self ventilated, surface cooled	

Terminal box	
Terminal box position	top
Material of terminal box	cast iron
Type of terminal box	TB1 N01
Contact screw thread	M10
Max. cross-sectional area	120.0 mm²
Cable diameter from ... to ...	34.0 mm - 42.0 mm
Cable entry	2xM63x1,5
Cable gland	2 plugs

Special design (2)	
L23	Regreasing system
L25	Double sides reinforced bearings for DE and NDE, Type 63

Environmental conditions	
Ambient temperature	-20 °C - +40 °C
Altitude above sea level	1000 m

Notes	
I _A /I _N = locked rotor current / current	M _K /M _N = break down torque / nominal torque
M _A /M _N = locked rotor torque / torque	1) at rated power