

Data sheet for three-phase Squirrel-Cage-Motors



Type: 1TZ9 C 225M-4
L23+L25

Motor type: 1CV1226B

Customer :

Order no.:

Remarks :

Date :

Our order :

Item nr. :

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 _A /I _N	T _A /T _N	T _B /T _N	
400	Δ	50	55.00	- / -	100.00	1475	356.0	92.1	92.8	92.6	0.86	0.83	0.75	6.7	2.5	2.6	IE1
690	Y	50	55.00	- / -	58.00	1475	356.0	92.1	92.8	92.6	0.86	0.83	0.75	6.7	2.5	2.6	IE1
460	Δ	60	63.00	- / -	98.00	1775	339.0	93.0	93.5	93.2	0.87	0.85	0.78	6.7	2.5	2.6	IE1
IM B35 / IM 2001			FS 225 M		320 kg	IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Mechanical data		
Sound pressure level 50Hz/60Hz (load)	70 dB(A) ¹⁾	74 dB(A) ¹⁾
Moment of inertia	0.49 kg m²	
Bearing DE NDE	6313 C3	6313 C3
Relubrication interval/quantity	20 g 20 g 8000 h	
Lubricants	Esso 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)	
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 L01
Contact screw thread	M8
Max. cross-sectional area	35.0 mm²
Cable diameter from ... to ...	27.0 mm - 35.0 mm
Cable entry	2xM50x1,5
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 - +45 °C
Altitude above sea level	1000 m

Notes	
I _A /I _N = locked rotor current / current nominal	M _K /M _N = break down torque / nominal torque
M _A /M _N = locked rotor torque / torque nominal	1) Value is valid only for DOL operation with motor design IC411