

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV3226A

SIMOTICS SD - 225 M - IM B35 - 2p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project
Remarks		

Electrical data

Safe Area

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			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 /I _N	T _I /T _N	T _B /T _N	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	55.00	-/-	96.00	2965	177.0	94.3	94.6	94.4	0.88	0.86	0.78	8.0	2.8	3.7	IE3
460	Δ	60	62.00	-/-	93.00	3565	166.0	93.6	93.7	93.3	0.89	0.87	0.80	8.0	2.8	3.6	IE3
460	Δ	60	55.00	-/-	84.00	3570	147.0	93.6	93.6	92.8	0.88	0.85	0.77	8.9	3.2	4.0	IE3
IM B35 / IM 2001		FS 225 M				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 17.3 s 30.3 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	76 / 89 dB(A) ^{2) 3)}	75 / 88 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.3100 kg m ²		Vibration severity grade	A
Bearing DE NDE	6313 C3	6313 C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad} ¹⁾ for coupling operation 50 60Hz	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	20 g 20 g 4000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	370 kg
Regreasing device	With (standard)		Coating (paint finish)	Special paint finish C3
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(P) 1 resistance thermometer PT100 in stator winding - 2 wire (2 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	35 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L01	Cable entry	2xM50x1,5-2xM20x1,5
Contact screw thread	M8	Cable gland	4 plugs

Notes:

I_A/I_N = locked rotor current / current nominal 1) L10mh according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411

M_A/M_N = locked rotor torque / torque nominal 2) at rated power / at full load

M_K/M_N = break down torque / nominal torque

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents		
DI MC LVM		DT Configurator						
	document type	datasheet			document status			
					released			
	title	1LE1643-2BA63-4JP4-Z			document number			
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Special design

L04	Shaft end with standard dimensions without keyway	R11	Terminal box rotated through 90°, cable entry from NDE
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