

SIMOTICS SD - 225 M - IM B35 - 2p

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

Remarks

Safe Area

U	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{(3)}$			$\cos\varphi^{(3)}$			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]								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)																	
230	Δ	50	45.00	-/-	135.00	2960	145.0	94.0	94.5	94.4	0.89	0.87	0.80	6.9	2.4	3.1	IE3
400	Y	50	45.00	-/-	78.00	2960	145.0	94.0	94.5	94.4	0.89	0.87	0.80	6.9	2.4	3.1	IE3
460	Y	60	51.00	-/-	77.00	3560	137.0	93.6	93.9	93.6	0.89	0.87	0.81	6.8	2.4	3.0	IE3
460	Y	60	45.00	-/-	69.00	3570	120.0	93.6	93.7	93.1	0.88	0.85	0.78	7.6	2.7	3.3	IE3
IM B35 / IM 2001			FS 225 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C + +40 °C / 1000 m									Locked rotor time (hot / cold) : 25.7 s 39.6 s								

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 87 dB(A) ^{2) 3)}	75 / 89 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.2600 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 _{red min} for coupling operation 50 60Hz ¹⁾	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)	315 kg
Regreasing device	With regreasing nipple		Coating (paint finish)	Special paint finish C3
Grease nipple	M10x1 DIN 71412 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	35 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	27 mm - 35 mm
Type of terminal box	TB1 L61	Cable entry	2xM50x1,5-2xM20x1,5
Contact screw thread	M8	Cable gland	4 plugs

Notes:

I_{Lr}/I_{Ln} = 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_r/M_{rn} = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_{bn} = break down torque / nominal torque		

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents 	
	document type datasheet			document status released			
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H01	Bolted on mounting feet (instead of cast)	R52	Drilled removable entry plate
L19	Regreasing device with regreasing nipple M10X1 acc.to DIN 71412-A		

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