

SIMOTICS SD - 250 M - IM B35 - 4p

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

Remarks

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	1486	355.0	95.7	95.8	95.4	0.86	0.82	0.73	8.2	3.0	3.3	IE4
690	Y	50	55.00	-/-	56.00	1486	355.0	95.7	95.8	95.4	0.86	0.82	0.73	8.2	3.0	3.3	IE4
460	Δ	60	63.00	-/-	96.00	1786	335.0	95.8	95.9	95.5	0.86	0.83	0.74	8.1	3.0	3.2	IE4
460	Δ	60	55.00	-/-	85.00	1788	295.0	95.8	95.7	95.1	0.85	0.81	0.71	9.3	3.3	3.7	IE4
IM B35 / IM 2001			FS 250 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 40.5 s | 58 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	67 / 81 dB(A) ^{2) 3)}	68 / 82 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	1.1000 kg m²		Thermal class	F
Bearing DE NDE	6215 Z C3	6215 Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	cast iron
Regreasing device	Without		Net weight of the motor (IM B3)	490 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	120 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 42 mm
Type of terminal box	TB1 N01	Cable entry	2xM63x1,5
Contact screw thread	M10	Cable gland	2 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/M_N = locked rotor torque / torque nominal
 M_K/M_N = break down torque / nominal torque

1) L_{10mh} according to DIN ISO 281 10/2010
2) at rated power / at full load

3) Value is valid only for DOL operation with motor design IC411

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	
IN LVM		SPC					
	document type			document status			
	datasheet			released			
	title			document number			
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