

SIMOTICS SD - 315 L - 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 155(F)																	
400	Δ	50	200.00	-/-	350.00	1490	1280.0	96.7	96.9	96.8	0.85	0.82	0.73	7.8	3.4	3.1	IE4
690	Y	50	200.00	-/-	205.00	1490	1280.0	96.7	96.9	96.8	0.85	0.82	0.73	7.8	3.4	3.1	IE4
460	Δ	60	200.00	-/-	305.00	1791	1070.0	96.5	96.5	96.2	0.85	0.81	0.72	9.5	3.7	3.4	IE4
460	Δ	60	230.00	-/-	345.00	1788	1230.0	96.8	97.0	96.8	0.86	0.83	0.75	8.2	3.2	3.0	IE4
IM B35 / IM2001			FS 315 L				IP55	UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN					
Environmental conditions : -20 °C - + °C / 1000 m									Locked rotor time (hot / cold) : 26.6 s 41.9 s								

Sound level (SPL / SWL) at 50Hz 60Hz	69 / 83 dB(A) ^{2) 3)}	73 / 88 dB(A) ^{2) 3)}	External earthing terminal	(Standard) Yes	
Moment of inertia	4.3700 kg m²		Vibration severity grade	Grade A	
Bearing DE NDE	6319 C3	6319 C3	Thermal class	F	
permissible lateral force on (N) (N)	x ₀ : 9300	x _{0,5} : 8650	x _{max} : 8000	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	
Lubricants			Net weight of the motor	1350 kg	
Regreasing device	Flat type lubricating nipple		Coating (paint finish)	Standard paint finish C2	
Grease nipple	M10x1 DIN 3404 A		Color, paint shade		
Type of bearing	Locating bearing NDE		Motor protection	3 resistance thermometers PT100 (6 terminals)	
Condensate drainage holes	(Standard) Yes		Method of cooling	IC411 - self ventilated, surface cooled	

Terminal box position	box at the top	Max. cross-sectional area	240 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	34 mm - 45 mm
Type of terminal box	TB1Q01	Cable entry	2xM63x1,5 - 2xM20x1,5
Contact screw thread	6xM12	Cable gland	2 glands

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. IN LVM	technical reference	created by SPC	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			
	title 1LE5504-3AB53-4JH4-Z N03+Q11+R18+Y53			document number			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CV4315B

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Special design

N03	Temperature class 155 (F), utilised to 155 (F), with increased cooling medium temperature	R18	Cable gland metal, max. number
Q11	1/3 PTC thermistors - for tripping (2 terminals)	Y53	Paint finish in other standard RAL colours

Notes:

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