

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



Motor type : 1CD3315B SIMOTICS XP - 315 L - IM V1 - 4p

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

IIG Ex db eb IIB T4 Gb																	
-/-																	
Electrical data																	
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)																	
380	Δ	50	200.00	-/-	370.00	1490	1280.0	96.0	96.3	96.2	0.86	0.84	0.77	7.6	2.3	2.9	IE3
660	Y	50	200.00	-/-	210.00	1490	1280.0	96.0	96.3	96.2	0.86	0.84	0.77	7.6	2.3	2.9	IE3
440	Δ	60	200.00	-/-	320.00	1791	1070.0	96.2	96.3	95.8	0.85	0.82	0.74	8.5	2.6	3.2	IE3
IM V1 / IM3011			FS 315 L			IP55		IEC/EN 60034	IEC, DIN, ISO, VDE, EN, GB 18613-2012								Grade 3
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 27.9 s 50.2 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	76 / 91 dB(A) ^{2) 3)}	79 / 93 dB(A) ^{2) 3)}	External earthing terminal	(Standard) Yes
Moment of inertia	3.7900 kg m ²		Vibration severity grade	Grade A
Bearing DE NDE	6319 C3	6319 C3	Thermal class	F
permissible lateral force on (N)	X ₀ : 5350	X _{0.5} : 4920	Duty type	S1
		X _{max} : 4030	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Net weight of the motor	1460 kg
Relubrication interval/quantity DE NDE	40 g 40 g	6000 h	Motor weight incl. options	1460 kg
Lubricants	UNIREX N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	-/-		Color, paint shade	RAL7030
Grease nipple	-/-		Motor protection	without (Standard)
Type of bearing	Locating bearing DE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	No			

Terminal box

Terminal box position	box at the top	Max. cross-sectional area	240 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	42 mm - 54 mm
Type of terminal box	TB3Q61	Cable entry	2xM63x1,5 - 2xM20x1,5
Contact screw thread	6xM12		

Notes:

I_A/I_N = locked rotor current / current nominal
M_K/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						
SIEMENS	document type	datasheet			document status			
	released							
	title	1MB5563-3AB53-3GA4-Z			document number			
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SIMOTICS XP - 315 L - IM V1 - 4p

D32	Ex certification for China	H00	Canopy
D34	China Energy Efficiency Label	Q04	Anti-condensation heating 220 V

Space heaters

Technical data:

Notes:

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	
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