

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



Motor type : 1CE3312A SIMOTICS XP - 315 M - IM B3 - 2p

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

Remarks

II 2G Ex eb IIC T3 Gb																				
-/-																				
Electrical data																				
Tc	U [V]	Δ / Y	f [Hz]	P [kW]	I [A]	n [1/min]	M [Nm]	t _E -time (s)			η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
								T1/T2	T3	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N		
T3	400	Δ	50	80.00	140.00	2982	255.0	28	15	94.8	94.9	94.3	0.93	0.92	0.90	6.8	2.2	2.6	IE3	
	690	Y	50	80.00	81.00	2982	255.0	28	15	94.8	94.9	94.3	0.93	0.92	0.90	6.8	2.2	2.6	IE3	
IM B3 / IM1001				FS 315 M				IP55					IEC/EN 60034							
Environmental conditions : -20 °C - +40 °C / 1,000 m																				

Mechanical data

Sound level (SPL / SWL) at 50 Hz	/	75 / 89	External earthing terminal	(Standard) Yes
Moment of inertia	kg m ²		Vibration severity grade	Grade A
Bearing DE NDE	6316 C4	6316 C4	Thermal class	F
permissible lateral force on (N) (N)	x ₀ :	x _{0,5} :	x _{max} :	Duty type
bearing lifetime			bidirectional	
L _{10mh} , F _{Rad min} for coupling operation 50 60Hz ¹⁾			40000 h	-/-
Relubrication interval/quantity DE NDE			30 g 30 g 3000 h	Frame material
Lubricants			UNIREX N3	cast iron
Regreasing device			-/-	Net weight of the motor
Grease nipple			-/-	1020 kg
Type of bearing			Locating bearing NDE	Coating (paint finish)
Condensate drainage holes			(Standard) Yes	Standard paint finish C2
				Color, paint shade
				RAL7030
				Motor protection
				without (Standard)
				Method of cooling
				IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	box at the top, socket right	Max. cross-sectional area	240 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	56 mm - 68.5 mm
Type of terminal box	TB3Q01	Cable entry	2xM63x1,5
Contact screw thread	6xM12	Cable gland	-/-

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	datasheet			document status			
					released			
	title	1MB5543-3AA23-4AA1			document number			
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