

SIMOTICS XP - 315 M - IM V1 - 2p

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

Remarks

-/-

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)																	
400	Δ	50	132.00	-/-	220.00	2982	425.0	95.4	95.5	95.2	0.91	0.89	0.86	7.2	2.5	3.1	IE3
690	Y	50	132.00	-/-	127.00	2982	425.0	95.4	95.5	95.2	0.91	0.89	0.86	7.2	2.5	3.1	IE3
460	Δ	60	148.00	-/-	215.00	3582	395.0	95.4	95.3	94.6	0.91	0.90	0.86	7.1	2.5	3.0	IE3
460	Δ	60	132.00	-/-	191.00	3585	350.0	95.4	95.1	94.0	0.91	0.89	0.84	8.0	2.8	3.4	IE3
IM V1 / IM 3011			FS 315 M			IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 39.7 s 74.3 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	75 / 89 dB(A) ^{2) 3)}	79 / 93 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	1.6000 kg m ²		Vibration severity grade	A
Bearing DE NDE	6316 C3	6316 C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{rad,min} for coupling operation 50 60Hz ¹⁾	20000 h	16000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	30 g 30 g 3000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	880 kg
Regreasing device	With (standard)		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	240 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	44 mm - 54 mm
Type of terminal box	TB1 R01	Cable entry	2xM63x1,5-2xM20x1,5
Contact screw thread	M16		

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 department 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 1MB1533-3AA23-4GB4-Z B02+H00+R18+R50			Document number			
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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	R18	Cable gland metal, max. number
H00	Canopy	R50	Larger terminal box

Notes:

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SIEMENS	Document type Datasheet			Document status Released			
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