

SIMOTICS XP - 315 M - IM B3 - 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	95.3	94.7	0.91	0.90	0.86	7.4	2.3	2.9	IE3
690	Y	50	132.00	-/-	127.00	2982	425.0	95.4	95.3	94.7	0.91	0.90	0.86	7.4	2.3	2.9	IE3
460	Δ	60	132.00	-/-	191.00	3586	350.0	95.4	95.0	93.9	0.91	0.89	0.85	8.3	2.6	3.2	IE3
IM B3 / IM1001			FS 315 M			IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 59.5 s 92.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	77 / 92 dB(A) ^{2) 3)}	81 / 96 dB(A) ^{2) 3)}	External earthing terminal	(Standard) Yes	
Moment of inertia	1.9900 kg m²		Vibration severity grade	Grade A	
Bearing DE NDE	6316 C3	6316 C3	Thermal class	F	
permissible lateral force on (N) (N)	X ₀ : 5480	X _{0.5} : 5210	X _{max} : 4790	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	
Relubrication interval/quantity DE NDE	30 g 30 g 3000 h		Net weight of the motor	1290 kg	
Lubricants	UNIREX N3		Motor weight incl. options	1290 kg	
Regreasing device	-/-		Coating (paint finish)	Standard paint finish C2	
Grease nipple	-/-		Color, paint shade	RAL7030	
Type of bearing	Locating bearing DE		Motor protection	6 PTC thermistors - for alarm and tripping (4 terminals)	
Condensate drainage holes	No		Method of cooling	IC411 - self ventilated, surface cooled	

Terminal box

Terminal box position	box at the top	Max. cross-sectional area	240 mm²
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_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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	Q02			rev.	creation date	language	Page
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Special design

Q02	Anti-condensation heating for 230 V (2 terminals)
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Additional information:

Space heaters

Technical data:	1-phase, 230V, 218W
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Notes:

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SIEMENS	document type datasheet			document status released			
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