

SIMOTICS XP - 160 L - 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)																	
380	Δ	50	18.50	-/-	34.00	2955	60.0	92.4	92.8	92.3	0.90	0.87	0.80	8.3	2.8	3.9	IE3
660	Y	50	18.50	-/-	19.50	2955	60.0	92.4	92.8	92.3	0.90	0.87	0.80	8.3	2.8	3.9	IE3
440	Δ	60	18.50	-/-	29.50	3560	49.5	91.7	91.5	90.3	0.90	0.87	0.79	9.4	3.1	4.4	IE3
IM B3 / IM 1001			FS 160 L			IP55		IEC/EN 60034								Grade 3	
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 16.8 s 25.1 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	77 / 85 dB(A) ^{2) 3)}	77 / 89 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.0637 kg m²		Duty type	S1
Bearing DE NDE	6309 C3	6309 C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L10mh, F _{rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Net weight of the motor	190 kg
Regreasing device	Without		Motor weight incl. options	190 kg
Grease nipple	-/		Coating (paint finish)	Special paint finish C3
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled
Vibration severity grade	A			

Terminal box

Terminal box position	top	Max. cross-sectional area	16 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	19 mm - 28 mm
Type of terminal box	TB1 J21	Cable entry	-/-
Contact screw thread	M5		

Notes:

I_L/I_N = locked rotor current / current nominal	1) L_{10min} according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_L/M_N = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_N = break down torque / nominal torque		

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	
SIEMENS	document type datasheet			document status released			
	title 1MB1553-1DA43-3AB4-Z B02+C02+D32+D34			document number			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CD3164A

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	D32	Ex certification for China
C02	VIK version	D34	China Energy Efficiency Label

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