

SIMOTICS XP - 160 L - IM V1 - 4p

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

Remarks

II 2G Ex db eb IIC 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)																	
400	Δ	50	15.00	-/-	28.50	1475	97.0	92.1	92.3	91.5	0.82	0.76	0.65	8.5	2.5	3.8	IE3
690	Y	50	15.00	-/-	16.60	1475	97.0	92.1	92.3	91.5	0.82	0.76	0.65	8.5	2.5	3.8	IE3
460	Δ	60	15.00	-/-	25.00	1780	80.0	93.0	92.8	91.4	0.81	0.75	0.64	9.5	2.9	4.3	IE3
IM V1 / IM 3011			FS 160 L			IP55		IEC/EN 60034									
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 16.7 s 24.3 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	64 / 72 dB(A) ^{2) 3)}	69 / 81 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.0877 kg m²		Duty type	S1
Bearing DE NDE	6309 C3	6309 C3	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	193 kg
Regreasing device	Without		Motor weight incl. options	194 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
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		

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

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Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents 	
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1CD3164B

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Special design

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