

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



Motor type : 1CD3104B INNOMOTICS XP - 100 L - IM B3 - 4p

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

Remarks II 2G Ex db eb IIC T4 Gb
-/-

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)																	
480	Δ	60	2.02	-/-	3.45	1770	10.9	89.4	88.7	85.9	0.79	0.72	0.59	10.4	3.8	5.5	IE3
IM B3 / IM 1001			FS 100 L		IP56				IEC/EN 60034								
Environmental conditions : -20 °C - +50 °C / 1000 m									Locked rotor time (hot / cold) : 19.3 s 22.9 s								
These values are calculated. The final rating plate data will be calculated when the order is placed																	
The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.																	

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	57 / 65 dB(A) ^{2) 3)}	62 / 74 dB(A) ^{2) 3)}	Thermal class	F
Moment of inertia	0.0124 kg m²		Duty type	S1
Bearing DE NDE	6306 2Z C3	6306 2Z C3	Direction of rotation	bidirectional
bearing lifetime			Frame material	cast iron
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Net weight of the motor	68 kg
Regreasing device	Without		Motor weight incl. options	68 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	(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	4 mm²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 F21	Cable entry	-/-
Contact screw thread	M4		

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

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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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Special design

H22	IP 56 degree of protection	N06	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 50°C, power reduced
M2L	480 VD for 60 Hz, 50-Hz power		

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