

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



Motor type : 1CE3104A

INNOMOTICS XP - 100 L - IM B5 - 2p

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

Remarks II 2G Ex eb IIC T1-T3 Gb

Electrical data

-/-

Tc	U [V]	Δ / Y	f [Hz]	P [kW]	I [A]	n [1/min]	M [Nm]	t _E -time (s)		η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
								T1/T2	T3	4/4	3/4	2/4	4/4	3/4	2/4	I _A /I _N	T _I /T _N	T _B /T _N	
T1/ T2	230	Δ	50	2.50	8.50	2895	8.2	0		86.4	87.5	86.9	0.92	0.90	0.83	7.7	2.7	3.3	IE3
	400	Y	50	2.50	4.90	2895	8.2	0		86.4	87.5	86.9	0.92	0.90	0.83	7.7	2.7	3.3	IE3
T3	230	Δ	50	2.50	8.50	2895	8.2	10	9	86.4	87.5	86.9	0.92	0.90	0.83	7.7	2.7	3.3	IE3
	400	Y	50	2.50	4.90	2895	8.2	10	9	86.4	87.5	86.9	0.92	0.90	0.83	7.7	2.7	3.3	IE3
IM B5 / IM 3001		FS 100 L			IP55		IEC/EN 60034												
Environmental conditions : -20 °C - +40 °C / 1000 m																			

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	72 / 80 dB(A) ^{2) 3)}	75 / 83 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0054 kg m ²		Thermal class	F
Bearing DE NDE	6306 2Z C3	6206 2Z C3	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
Regreasing device	Without		Net weight of the motor (IM B3)	37 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	4 mm ²
Material of terminal box	cast iron	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 F21	Cable entry	2xM32x1,5
Contact screw thread	M4		

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	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents
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Special design

L22 Bearing design for increased cantilever forces

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