

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

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Motor type / Motor type : 1CD3073B

INNOMOTICS XP - 71 M - IM V1 - 4p

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

Remarks / Remarks

II 2G Ex db eb IIC T4 Gb

Electrical data / 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) / DOL duty (S1) - 155(F) to 130(B)																	
240	Δ	50	0.37	-/-	1.64	1410	2.5	77.3	76.8	73.2	0.70	0.61	0.48	4.8	3.1	3.1	IE3
415	Y	50	0.37	-/-	0.95	1410	2.5	77.3	76.8	73.2	0.70	0.61	0.48	4.8	3.1	3.1	IE3
480	Y	60	0.37	-/-	0.86	1720	2.0	78.2	76.9	72.5	0.66	0.57	0.45	5.7	3.6	3.8	IE3
IM V1 / IM 3011		FS 71 M				IP55			IEC/EN 60034			IEC, DIN, ISO, VDE, EN					
Environmental conditions / <i>Environmental conditions</i> : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) / <i>Locked rotor time (hot / cold)</i> : 47.2 s 55.4 s								

Mechanical data / Mechanical data


Sound level (SPL / SWL) at 50Hz 60Hz	56 / 67 dB(A) ^{2) 3)}	62 / 73 dB(A) ^{2) 3)}	Vibration severity grade	A
Sound level (SPL / SWL) at 50Hz 60Hz			Vibration severity grade	A
Moment of inertia	0.0013 kg m ²		Thermal class	F
Moment of inertia			Thermal class	F
Bearing DE NDE	6202 2Z C3	6202 2Z C3	Duty type	S1
Bearing DE NDE			Duty type	
bearing lifetime / bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} for coupling operation			Direction of rotation	bidirectional
50 60Hz ¹⁾	20000 h	16000 h	Frame material	cast iron
L _{10mh} F _{Rad min} for coupling operation 50 60Hz			Frame material	cast iron
¹⁾			Net weight of the motor	27 kg
Regreasing device	Without		Net weight of the motor	
Regreasing device	Without		Motor weight incl. options	27 kg
Grease nipple	-/-		Motor weight incl. options	
Grease nipple			Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Color, paint shade	
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Motor protection	(A) without (Standard)
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box / Terminal box

Terminal box position	top	Max. cross-sectional area	4 mm ²
Terminal box position	top	Max. cross-sectional area	
Material of terminal box	cast iron	Main cable entry	1xM25x1.5
Material of terminal box	cast iron	Main cable entry	
Type of terminal box	TB1 D11	Main cable gland	1 plug
Type of terminal box	TB1 D11	Main cable gland	
Contact screw thread	6xM4	Main cable gland	
Contact screw thread	6xM4		

I_A/I_N = locked rotor current / current nominal
M_K/M_N = locked rotor torque / torque nominal
M_B/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	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	Created automatically					
INNOMOTICS	Document type				Document status			
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Special design / *Special design*

B02	Acceptance test certificate 3.1 acc. to EN 10204 Acceptance test certificate 3.1 acc. to EN 10204	R10	Rotation of the terminal box through 90°, entry from DE Rotation of the terminal box through 90°, entry from DE
H00	Canopy Canopy		

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