

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



Motor type : 1CV3205C

INNOMOTICS SD - 200 L - IM B3 - 6p

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

Remarks	Safe Area
	-/-

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	22.00	-/-	43.50	978	215.0	92.2	92.8	92.3	0.79	0.74	0.64	5.6	2.5	2.6	IE3
690	Y	50	22.00	-/-	25.50	978	215.0	92.2	92.8	92.3	0.79	0.74	0.64	5.6	2.5	2.6	IE3
IM B3 / IM 1001			FS 200 L		IP55		UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 46.6 s 69.1 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	63 / 76 dB(A) ^{2) 3)}	63 / 70 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.3200 kg m²		Vibration severity grade	A
Bearing DE NDE	6212 C3	6212 C3	Thermal class	F
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Relubrication interval/quantity DE NDE	15 g 15 g 8000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	230 kg
Regreasing device	With		Coating (paint finish)	Standard paint finish C2
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	With (standard)		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box																	
Terminal box position			top			Max. cross-sectional area			25 mm ²								
Material of terminal box			cast iron			Cable diameter from ... to ...			27 mm - 35 mm								
Type of terminal box			TB1 L01			Cable entry			2xM50x1,5								
Contact screw thread			M6			Cable gland			2 plugs								

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 I 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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Special design

L23 Regreasing system



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