

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



Motor type : 1CV4205A

INNOMOTICS SD - 200 L - IM B3 - 2p

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

Remarks	Safe Area
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	37.00	-/-	64.00	2955	120.0	94.8	95.1	94.9	0.88	0.84	0.77	7.8	2.9	4.0	IE4
690	Y	50	37.00	-/-	37.00	2955	120.0	94.8	95.1	94.9	0.88	0.84	0.77	7.8	2.9	4.0	IE4
460	Δ	60	41.50	-/-	63.00	3555	111.0	94.5	94.7	94.2	0.88	0.85	0.78	8.0	3.3	4.0	IE4
460	Δ	60	37.00	-/-	57.00	3560	99.0	94.1	94.0	93.3	0.87	0.83	0.75	9.0	3.7	4.2	IE4
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) : 41.7 s 59.5 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	71 / 85 dB(A) ^{2) 3)}	79 / 90 dB(A) ^{2) 3)}	External earthing terminal	With (standard)
Moment of inertia	0.1900 kg m ²		Vibration severity grade	A
Bearing DE NDE	6312 C3	6312 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	20 g 20 g 4000 h		Frame material	cast iron
Lubricants	Unirex N3		Net weight of the motor (IM B3)	263 kg
Regreasing device	With (standard)		Coating (paint finish)	Special paint finish C3
Grease nipple	M10x1 DIN 3404 A		Color, paint shade	RAL7030
Type of bearing	Locating bearing NDE		Motor protection	(B) 3 PTC thermistors - for tripping (standard) (2 terminals)
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	2xM50x1,5-2xM20x1,5
Contact screw thread	M6	Cable gland	4 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 / 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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