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

Motor type : 1CV3205A **INNOMOTICS SD - 200 L - IM B35 - 2p**

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

Remarks

Safe Area

Electrical data **-/-**

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η 3) 4/4	η 3) 3/4	η 3) 2/4	cosφ 3) 4/4	cosφ 3) 3/4	cosφ 3) 2/4	I_A/I_N I_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	37.00	-/-	65.00	2955	120.0	93.7	94.2	94.0	0.88	0.85	0.78	7.1	2.5	3.2	IE3
690	Y	50	37.00	-/-	37.50	2955	120.0	93.7	94.2	94.0	0.88	0.85	0.78	7.1	2.5	3.2	IE3
460	Δ	60	41.50	-/-	63.00	3555	111.0	93.0	93.3	92.9	0.89	0.87	0.80	7.1	2.5	3.2	IE2
460	Δ	60	37.00	-/-	57.00	3560	99.0	93.0	93.1	92.3	0.88	0.85	0.77	7.6	2.7	3.3	IE3
IM B35 / IM 2001			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) : 27.7 s | 46.8 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	74 / 81 dB(A) 2) 3)	Vibration severity grade	A
Moment of inertia	0.1580 kg m²	Thermal class	F
Bearing DE | NDE	6212 2Z C3 / 6212 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)	250 kg
Grease nipple	-/-	Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE	Color, paint shade	RAL7030
Condensate drainage holes	With (standard)	Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	With (standard)	Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	25 mm²
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_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

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
Technical data sheet	Released
Document title	**Document number**
1LE1503-2AA53-4JB4	TDS-241107-150949

Restricted	Revision	Creation date	Language	Page
© Innomotics 2024	AA	2024-11-07	en	1/1

Branding disclaimer applies