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

Motor type : 1AV3205B **INNOMOTICS GP - 200 L - IM B35 - 4p**

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

Remarks

Electrical data

Safe Area

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	30.00	-/-	55.00	1470	195.0	93.6	94.0	93.7	0.84	0.80	0.71	7.3	2.6	3.1	IE3
690	Y	50	30.00	-/-	32.00	1470	195.0	93.6	94.0	93.7	0.84	0.80	0.71	7.3	2.6	3.1	IE3
460	Δ	60	34.50	-/-	55.00	1770	186.0	93.0	93.3	92.9	0.85	0.81	0.73	7.3	2.4	3.0	IE2
460	Δ	60	30.00	-/-	48.00	1778	161.0	94.1	94.2	93.6	0.83	0.79	0.70	8.8	2.6	3.5	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) : 29.40 s | 45.00 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	65.0 / 72.0 dB(A) 2) 3)	70.0 / 77.0 dB(A) 2) 3)
Moment of inertia	0.2400 kg m²	
Bearing DE | NDE	6212 2Z C3	6212 2Z C3
Bearing lifetime		
L_{10mh} $F_{Rad\ min}$ for coupling operation 50|60Hz 1)	40000 h	32000 h
Regreasing device	Without	
Grease nipple	-/-	
Type of bearing	Locating bearing NDE	
Bearing insulation DE / Bearing insulation NDE	Yes (non-drive end)	
Condensate drainage holes	Without	
External earthing terminal	Without	

Vibration severity grade	A
Thermal class	F
Duty type	S1
Direction of rotation	bidirectional
Frame material	aluminum
Net weight of the motor (IM B3)	189 kg
Coating (paint finish)	Standard paint finish C2
Color, paint shade	RAL7030
Motor protection	(A) without (Standard)
Method of cooling	IC411 - self ventilated, surface cooled
Carbon footprint (without options)	1024kg

Terminal box

Terminal box position	top	Max. cross-sectional area	25.0 mm²
Material of terminal box	Aluminium	Main cable entry	2xM50x1.5
Type of terminal box	TB1 L00	Main cable gland	1 gland, 1 plug
Contact screw thread	6xM6	Cable diameter from ... to ...	27.0 mm - 35.0 mm

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	
IN LV		IPC		***Technical data are subject to change! There may be discrepancies between calculated and rating plate values.***

Link documents

INNOMOTICS

Document type	Document status
Technical data sheet	Released
Document title	**Document number**
1LE1003-2AB53-4JA4-Z **L51+Q02+R11+R15**	TDS-260118-162856

Restricted	Revision	Creation date	Language	Page
© Innomotics 2026	AA	2026-01-18	en	1/2

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Special design

L51	Bearing insulation NDE	R11	Terminal box rotated through 90°, cable entry from NDE
Q02	Anti-condensation heating for 230 V (2 terminals)	R15	One metal cable gland

Additional information:

Space heaters

Technical data: 1-phase, 230 V 50W

I_A/I_N = locked rotor current / current nominal
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