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

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Motor type / Motor type : 1AV3131A **INNOMOTICS GP - 132 S - IM B3 - 2p**

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

Safe Area

Electrical data / *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) / *DOL duty (S1)* - 155(F) to 130(B)																	
230	Δ	50	7.50	-/-	22.50	2950	24.5	90.1	91.0	91.0	0.92	0.90	0.84	8.3	1.9	3.9	IE3
400	Y	50	7.50	-/-	13.10	2950	24.5	90.1	91.0	91.0	0.92	0.90	0.84	8.3	1.9	3.9	IE3
460	Y	60	8.60	-/-	13.00	3550	23.0	90.2	90.8	90.5	0.92	0.90	0.84	8.2	2.0	3.9	IE3
460	Y	60	7.50	-/-	11.50	3560	20.0	90.2	90.4	89.6	0.91	0.88	0.82	9.4	2.2	4.5	IE3
IM B3 / IM 1001		FS 132 S			IP55	UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions / *Environmental conditions* : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) / *Locked rotor time (hot / cold)* : 9.3 s | 13.6 s

Mechanical data / *Mechanical data*

Sound level (SPL / SWL) at 50Hz|60Hz *Sound level (SPL / SWL) at 50Hz|60Hz*	68 / 80 dB(A) 2) 3)	72 / 84 dB(A) 2) 3)	Vibration severity grade *Vibration severity grade*	A *A*
Moment of inertia *Moment of inertia*	0.0310 kg m²		Thermal class *Thermal class*	F *F*
Bearing DE | NDE *Bearing DE | NDE*	6208 2Z C3	6208 2Z C3	Duty type *Duty type*	S1
bearing lifetime / *bearing lifetime*			Direction of rotation *Direction of rotation*	bidirectional *bidirectional*
L_{10mh} $F_{Rad\ min}$ for coupling operation 50|60Hz 1) *L_{10mh} $F_{Rad\ min}$ for coupling operation 50|60Hz 1)*	40000 h	32000 h	Frame material *Frame material*	aluminum *aluminum*
Regreasing device *Regreasing device*	Without *Without*		Net weight of the motor (IM B3) *Net weight of the motor (IM B3)*	57 kg
Grease nipple *Grease nipple*	-/-		Coating (paint finish) *Coating (paint finish)*	Standard paint finish C2 *Standard paint finish C2*
Type of bearing *Type of bearing*	Preloaded bearing DE *Preloaded bearing DE*		Color, paint shade *Color, paint shade*	RAL7030
Condensate drainage holes *Condensate drainage holes*	Without *Without*		Motor protection *Motor protection*	(A) without (Standard) *(A) without (Standard)*
External earthing terminal *External earthing terminal*	Without *Without*		Method of cooling *Method of cooling*	IC411 - self ventilated, surface cooled *IC411 - self ventilated, surface cooled*

Terminal box / *Terminal box*

Terminal box position *Terminal box position*	top *top*	Max. cross-sectional area *Max. cross-sectional area*	6 mm²
Material of terminal box *Material of terminal box*	Aluminium *Aluminium*	Cable diameter from ... to ... *Cable diameter from ... to ...*	11 mm - 21 mm
Type of terminal box *Type of terminal box*	TB1 H00	Cable entry *Cable entry*	2xM32x1,5
Contact screw thread *Contact screw thread*	M4	Cable gland *Cable gland*	2 plugs 2 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

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