

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



Motor type : 1AV3132B INNOMOTICS GP - 132 M - IM B5 - 4p

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)																	
230	Δ	50	7.50	-/-	26.00	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3
400	Y	50	7.50	-/-	15.00	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3
460	Y	60	8.60	-/-	14.90	1765	46.5	89.5	90.0	89.4	0.81	0.76	0.65	8.8	3.0	3.8	IE2
460	Y	60	7.50	10.00	13.00	1770	40.5	91.7	91.6	90.6	0.79	0.73	0.61	9.8	3.4	4.3	MG1
IM B5 / IM 3001		FS 132 M		CC032A		IP55	UKCA	IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12-12				kVA Code: N		Grade 3	
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 14.8 s 20.1 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	72 / 80 dB(A) ^{2) 3)}	68 / 76 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0334 kg m²		Thermal class	F
Bearing DE NDE	6208 2Z C3	6208 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Frame material	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	61 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(F) 1 temperature sensor KTY84-130 (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box																	
Terminal box position			top			Max. cross-sectional area			6 mm ²								
Material of terminal box			Aluminium			Cable diameter from ... to ...			11 mm - 21 mm								
Type of terminal box			TB1 H00			Cable entry			2xM32x1,5-1xM16x1,5								
Contact screw thread			M4			Cable gland			3 plugs								

I_A/I_N = locked rotor current / current nominal 1) L_{10mh} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411

M_A/M_N = locked rotor torque / torque nominal 2) at rated power / at full load

M_K/M_N = break down torque / nominal torque

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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	
INNOMOTICS	Document type Technical data sheet			Document status Released			
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INNOMOTICS GP - 132 M - IM B5 - 4p

D34	China Energy Efficiency Label	F10	Brake supply voltage 24 V DC
F01	Mounting of holding brake	G41	Prepared to mount components with D12 shaft

Brake:

Description:	BFK458-16	Current:	2.3 A
Voltage:	DC 24 V	Moment of inertia:	0.001500 kgm ²

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