

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



Motor type : 1AV2206C INNOMOTICS GP - 200 L - IM B3 - 6p

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	30.00	-/-	61.00	975	295.0	91.7	92.5	92.4	0.77	0.71	0.60	6.3	2.6	2.7	IE2
690	Y	50	30.00	-/-	35.50	975	295.0	91.7	92.5	92.4	0.77	0.71	0.60	6.3	2.6	2.7	IE2
460	Δ	60	34.50	-/-	59.00	1175	280.0	93.0	93.8	93.9	0.79	0.74	0.64	6.5	2.5	2.6	IE2
460	Δ	60	30.00	-/-	53.00	1180	245.0	93.0	93.4	93.0	0.77	0.71	0.59	7.4	2.9	3.1	IE2
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) : 21.6 s 39.4 s								

Mechanical data				
Sound level (SPL / SWL) at 50Hz 60Hz	63 / 76 dB(A) ^{2) 3)}	66 / 79 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.3810 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	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	192 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Locating bearing NDE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Without		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						Aluminium				Cable diameter from ... to ...				27 mm - 35 mm			
Type of terminal box						TB1 L00				Cable entry				2xM50x1,5-1xM16x1,5			
Contact screw thread						M6				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	
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Special design

D22 Motor without CE character for export outside the EEA (see EU regulation 2019/1781)

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