

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



Motor type : 1AV3132B INNOMOTICS GP - 132 M - IM B3 - 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⁾			cosφ ³⁾			I _A /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	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	
690	Y	50	7.50	-/-	8.70	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3	
460	Δ	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	Δ	60	7.50	-/-	13.00	1770	40.5	91.7	91.6	90.6	0.79	0.73	0.61	9.8	3.4	4.3	IE3	
IM B3 / IM 1001		FS 132 M		IP55		UKCA		IEC/EN 60034			IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 14.80 s 20.10 s									

Mechanical data					
Sound level (SPL / SWL) at 50Hz 60Hz	72.0 / 80.0 dB(A) 2) 3)	68.0 / 76.0 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} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	aluminum	
Regreasing device	Without			Net weight of the motor (IM B3)	59 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	(A) without (Standard)
External earthing terminal	Without			Method of cooling	IC411 - self ventilated, surface cooled

Terminal box			
Terminal box position	top	Max. cross-sectional area	6.0 mm²
Material of terminal box	Aluminium	Main cable entry	2xM32x1.5
Type of terminal box	TB1 H00	Main cable gland	2 plugs
Contact screw thread	6xM4		

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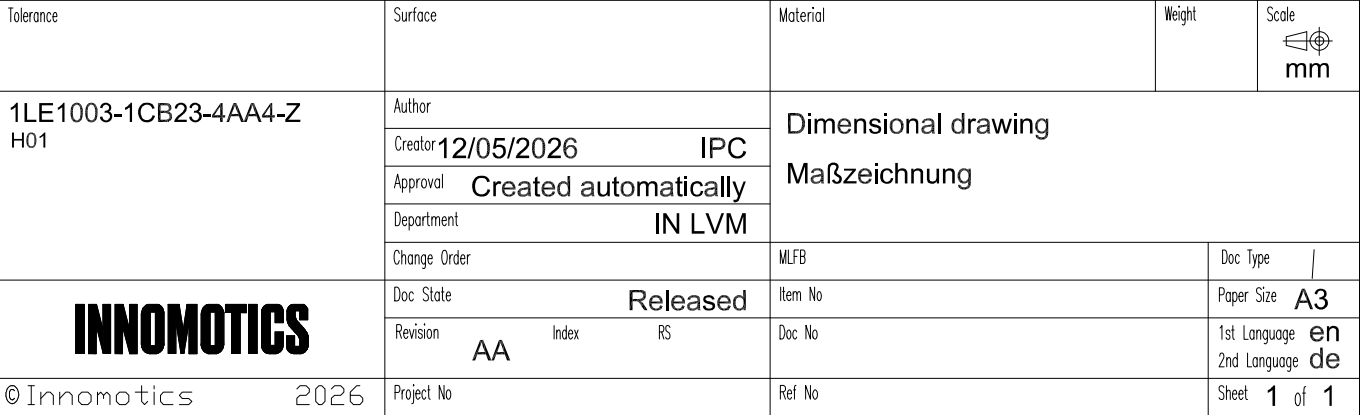
H01	Bolted on mounting feet (instead of cast)
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3) Value is valid only for DOL operation with motor design IC411

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Responsible department IN LV	Technical reference	Created by IPC	Approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
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