

SIMOTICS GP - 132 M - IM B3 - 4p

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

Safe Area

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	
230	Δ	50	7.50	-/-	25.50	1465	49.0	88.7	89.8	89.8	0.83	0.78	0.69	6.9	2.3	2.9	IE2
400	Y	50	7.50	-/-	14.70	1465	49.0	88.7	89.8	89.8	0.83	0.78	0.69	6.9	2.3	2.9	IE2
460	Y	60	8.60	-/-	14.50	1765	46.5	89.5	90.0	90.1	0.83	0.81	0.71	7.1	2.3	2.9	IE2
460	Y	60	7.50	-/-	12.80	1770	40.5	89.5	90.0	89.3	0.82	0.78	0.68	8.0	2.7	3.4	IE2
IM B3 / IM 1001			FS 132 M		49 kg		IP55	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Locked rotor time (hot / cold) : 12.2 s | 21.3 s

Sound level (SPL / SWL) at 50Hz 60Hz	64.0 / 76.0 dB(A) ²⁾	68.0 / 80.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0280 kg m²		Vibration severity grade	A
Bearing DE NDE	6208 2Z C3	6208 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad,min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	Unirex N3		Frame material	aluminum
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	6.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

I_R/I_N = locked rotor current / current nominal	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_R/M_N = locked rotor torque / torque nominal	2) at rated power / at full load	
M_B/M_N = break down torque / nominal torque		

responsible dep.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV2132B

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Special design

F01	Mounting a brake	F50	Mechanical manual brake release with lever (cannot be locked)
F10	Brake supply voltage 24 V DC		

Additional information:

Brake:

Description:	BFK458-16	Current:	2.3 A
Voltage:	DC 24 V	Moment of inertia:	.0015 Nm

Notes:

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