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

Motor type : 1AV3132B **SIMOTICS GP - 132 M - IM B3 - 4p**

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

Remarks

Safe Area

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) - 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) : 14.8 s | 20.1 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	72 / 80 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)	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	(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	6 mm²
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
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		

SIEMENS

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