

SIMOTICS GP - 180 M - IM B35 - 4p

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

Remarks

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	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	17.75	-/-	34.00	1470	115.3	92.7	93.1	92.8	0.81	0.76	0.67	7.5	2.6	3.4	IE3
690	Y	50	17.75	-/-	19.70	1470	115.3	92.7	93.1	92.8	0.81	0.76	0.67	7.5	2.6	3.4	IE3
460	Δ	60	20.44	-/-	33.50	1770	110.3	92.5	92.8	92.3	0.82	0.78	0.69	7.5	2.5	3.3	IE2
460	Δ	60	18.50	-/-	30.50	1775	100.0	93.6	93.6	92.7	0.81	0.74	0.62	8.7	2.6	3.8	IE3
IM B35 / IM 2001			FS 180 M			IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Environmental conditions : -20 °C - +45 °C / 1000 m

Locked rotor time (hot / cold) : 28.7 s | 41.6 s

These values are calculated. The final rating plate data will be calculated when the order is placed

The efficiency values and efficiency class according to EuP directive are valid for standard power ratings under standard conditions.

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	66 / 73 dB(A) ^{2) 3)}	68 / 75 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.1300 kg m²		Thermal class	F
Bearing DE NDE	6210 2Z C3	6210 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
	L10mh F _{red min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material
Regreasing device	Without		Net weight of the motor (IM B3)	134 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	16 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	19 mm - 28 mm
Type of terminal box	TB1 J00	Cable entry	2xM40x1,5-1xM16x1,5
Contact screw thread	M5	Cable gland	3 plugs

Notes:

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) L10mh 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 dep.	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					
	document type			document status			
	datasheet			released			
	title			document number			
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B02	Acceptance test certificate 3.1 acc. to EN 10204	N05	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 45°C, power reduced
F74	Sheet steel fan cowl		

[illegible]

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SIEMENS	document type datasheet	document status released					
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