

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



Motor type : 1AV2062A

SIMOTICS GP - 63 M - IM B5 - 2p

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)																	
230	Δ	50	0.18	-/-	0.96	2850	0.6	60.4	59.4	53.7	0.78	0.69	0.54	4.5	2.2	2.7	IE2
400	Y	50	0.18	-/-	0.55	2850	0.6	60.4	59.4	53.7	0.78	0.69	0.54	4.5	2.2	2.7	IE2
460	Y	60	0.21	-/-	0.53	3450	0.6	64.0	62.0	57.0	0.78	0.69	0.55	4.9	2.3	3.1	IE2
460	Y	60	0.18	-/-	0.49	3475	0.5	64.0	60.8	54.6	0.72	0.62	0.50	5.3	2.7	3.6	IE2
IM B5 / IM 3001		FS 63 M				IP55	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 12.7 s 16 s								

Mechanical data																	
Sound level (SPL / SWL) at 50Hz 60Hz						/ dB(A) ^{2) 3)}			/ dB(A) ^{2) 3)}			Vibration severity grade					
Moment of inertia						0.0002 kg m ²						Thermal class					
Bearing DE NDE						6201 2Z C3			6201 2Z C3			Duty type					
bearing lifetime												Direction of rotation					
L _{10mh} F _{Rad min} for coupling operation						40000 h			32000 h			Frame material					
50 60Hz ¹⁾												aluminum					
Regreasing device						Without						Net weight of the motor (IM B3)					
Grease nipple						-/-						Coating (paint finish)					
Type of bearing						Preloaded bearing DE						Color, paint shade					
Condensate drainage holes						Without						Motor protection					
External earthing terminal						Without						Method of cooling					
												IC411 - self ventilated, surface cooled					

Terminal box			
Terminal box position	top	Max. cross-sectional area	1.5 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	9 mm - 17 mm
Type of terminal box	TB1 B00	Cable entry	1xM25x1,5
Contact screw thread	M4	Cable gland	1 plug