

# Data sheet for three-phase Squirrel-Cage-Motors INNOMOTICS



Motor type : 1AV2063B

INNOMOTICS GP - 63 M - IM B14 - 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 <sup>3)</sup>			cosφ <sup>3)</sup>			I <sub>A</sub> /I <sub>N</sub> I <sub>I</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub> T <sub>I</sub> /T <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub> T <sub>B</sub> /T <sub>N</sub>	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
<b>DOL duty (S1) - 155(F) to 130(B)</b>																	
240	Δ	50	0.18	-/-	1.03	1385	1.2	64.7	62.4	55.7	0.65	0.56	0.44	3.3	2.6	2.6	IE2
415	Y	50	0.18	-/-	0.60	1385	1.2	64.7	62.4	55.7	0.65	0.56	0.44	3.3	2.6	2.6	IE2
480	Y	60	0.21	-/-	0.57	1685	1.2	68.0	65.8	59.7	0.65	0.56	0.45	3.8	2.8	2.9	IE2
480	Y	60	0.18	-/-	0.54	1710	1.0	68.0	64.4	57.3	0.59	0.50	0.40	3.9	3.3	3.4	IE2

IM B14 / IM 3601	FS 63 M	IP55	UKCA	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Environmental conditions : -20 °C - +40 °C / 1000 m

Locked rotor time (hot / cold) : 36.3 s | 47.7 s

## Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	57 / 64 dB(A) <sup>2)3)</sup>	62 / 69 dB(A) <sup>2)3)</sup>	Vibration severity grade	A
Moment of inertia	0.0004 kg m <sup>2</sup>		Thermal class	F
Bearing DE   NDE	6201 2Z C3	6201 2Z C3	Duty type	S1
<b>bearing lifetime</b>			Direction of rotation	bidirectional
L <sub>10mh</sub> F <sub>Rad</sub> min 50 60Hz <sup>1)</sup> for coupling operation	40000 h	32000 h	Frame material	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	5 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	Cable diameter from ... to ...	9 mm - 17 mm
Material of terminal box	Aluminium	Cable entry	1xM25x1,5
Type of terminal box	TB1 B00	Cable gland	1 plug
Contact screw thread	M4	Cable length	
Max. cross-sectional area	1.5 mm <sup>2</sup>		

I<sub>A</sub>/I<sub>N</sub> = locked rotor current / current nominal  
 M<sub>A</sub>/M<sub>N</sub> = locked rotor torque / torque nominal  
 M<sub>K</sub>/M<sub>N</sub> = break down torque / nominal torque  
 1) L<sub>10mh</sub> 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

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