

Data sheet for three-phase Squirrel-Cage-Motors



Type: 1TZ9 A 71M-2

Motor type: 1AV1072A

Customer :

Order no.:

Remarks :

Date :

Our order :

Item nr. :

U	Δ / Y	f	P	P	I	n	M	NOM. EFF at ... load [%]			Power factor at ... load			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 _L /I _N	T _L /T _N	T _B /T _N	
230	Δ	50	0.37	- / -	1.84	2755	1.3	63.9	64.5	61.1	0.79	0.69	0.55	3.4	2.2	2.2	IE1
400	Y	50	0.37	- / -	1.06	2755	1.3	63.9	64.5	61.1	0.79	0.69	0.55	3.4	2.2	2.2	IE1
460	Y	60	0.43	- / -	0.98	3355	1.2	70.0	70.6	67.2	0.79	0.70	0.57	4.0	2.3	2.4	IE1
IM B34 / IM 2101			FS 71 M			IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data				Terminal box	
Sound pressure level 50Hz/60Hz (load)		56 dB(A) ¹⁾	61 dB(A) ¹⁾	Terminal box position	
Moment of inertia		0.00022 kg m ²		Material of terminal box	
Bearing DE NDE		6202 2Z C3	6202 2Z C3	Type of terminal box	
Bearing lifetime		40000 h		Contact screw thread	
Lubricants		Esso Unirex N3		Max. cross-sectional area	
Regreasing device		No		Cable diameter from ... to ...	
Grease nipple		- / -		Cable entry	
Type of bearing		Preloaded bearing DE		Cable gland	
Condensate drainage holes		No			
External earthing terminal		Yes			
Vibration severity grade		A			
Insulation		155(F)			
Duty type		S1			
Direction of rotation		bidirectional			
Frame material		aluminum			
Data of anti condensation heating		-/-			
Coating (paint finish)		Standard paint finish C2			
Color, paint shade		RAL7030			
Motor protection		(A) without (Standard)			
Method of cooling		IC411 - self ventilated, surface cooled			

Environmental conditions	
Ambient temperature	-20 °C - +45 °C
Altitude above sea level	1000 m

Notes	
I _A /I _N = locked rotor current / current nominal	M _K /M _N = break down torque / nominal torque
M _K /M _N = locked rotor torque / torque nominal	1) Value is valid only for DOL operation with motor design IC411