

Data sheet for three-phase Squirrel-Cage-Motors



Type: 1TZ9 A 160L-6

Motor type: 1AV1164C

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	
400	Δ	50	11.00	- / -	24.00	965	109.0	86.4	86.8	85.9	0.77	0.71	0.59	5.9	1.9	2.7	IE1
690	Y	50	11.00	- / -	13.90	965	109.0	86.4	86.8	85.9	0.77	0.71	0.59	5.9	1.9	2.7	IE1
460	Δ	60	12.60	- / -	23.00	1165	103.0	89.0	89.3	88.3	0.77	0.71	0.61	6.3	1.9	2.7	IE1
IM B5 / IM 3001			FS 160 L			92 kg	IP55	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data			Terminal box	
Sound pressure level 50Hz/60Hz (load)	67 dB(A) ¹⁾	70 dB(A) ¹⁾	Terminal box position	top
Moment of inertia	0.078 kg m²		Material of terminal box	Aluminium
Bearing DE NDE	6209 2Z C3	6209 2Z C3	Type of terminal box	TB1 J00
Bearing lifetime	40000 h		Contact screw thread	M5
Lubricants	Esso Unirex N3		Max. cross-sectional area	16.0 mm²
Regreasing device	No		Cable diameter from ... to ...	19.0 mm - 28.0 mm
Grease nipple	- / -		Cable entry	2xM40x1,5
Type of bearing	Locating bearing NDE		Cable gland	2 plugs
Condensate drainage holes	Yes		Special design (0)	
External earthing terminal				
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 _A /M _N = locked rotor torque / torque nominal	1) Value is valid only for DOL operation with motor design IC411