LÖNNE

Data sheet for three-phase Squirrel-Cage-Motors

Type: 1TZ9 A 90L-4

Motor type: 1AV1094B

Customer :
Order no.:
Remarks :

Date :
Our order :
Item nr. :

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	NOM. EFF at ... load [%] 4/4	3/4	2/4	Power factor at ... load 4/4	3/4	2/4	I_A/I_N I_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
230	Δ	50	1.50	- / -	6.10	1410	10.0	77.2	77.8	75.1	0.80	0.71	0.57	4.7	2.4	2.6	IE1
400	Y	50	1.50	- / -	3.35	1410	10.0	77.2	77.8	75.1	0.80	0.71	0.57	4.7	2.4	2.6	IE1
460	Y	60	1.75	- / -	3.35	1710	9.8	78.7	79.2	76.7	0.81	0.73	0.59	5.4	2.6	2.8	-/-
IM B5 / IM 3001			FS 90 L			IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data

Sound pressure level 50Hz/60Hz (load)	58 dB(A) [1)]	55 dB(A) [1)]
Moment of inertia	0.00596 kg m²	
Bearing DE | NDE	6205 2Z C3	6004 2Z C3
Bearing lifetime	40000 h	
Lubricants	Esso Unirex N3	
Regreasing device	No	
Grease nipple	- / -	
Type of bearing	Preloaded bearing DE	
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

Terminal box

Terminal box position	top
Material of terminal box	Aluminium
Type of terminal box	TB1 E00
Contact screw thread	M4
Max. cross-sectional area	1.5 mm²
Cable diameter from ... to ...	9.0 mm - 17.0 mm
Cable entry	1xM25x1,5
Cable gland	1 plug

Special design (0)

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) Value is valid only for DOL operation with motor design IC411

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.