LÖNNE

Data sheet for three-phase Squirrel-Cage-Motors



Type: 1TZ9 C 180L-4
L23+L25

Motor type: 1CV1186B
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
400	Δ	50	30.00	- / -	60.00	1465	196.0	90.7	91.7	91.9	0.79	0.74	0.63	7.2	2.6	3.4	IE1
690	Y	50	30.00	- / -	35.00	1465	196.0	90.7	91.7	91.9	0.79	0.74	0.63	7.2	2.6	3.4	IE1
460	Δ	60	34.50	- / -	58.00	1765	187.0	92.4	93.2	93.3	0.81	0.77	0.67	7.4	2.6	3.3	IE1
IM B35 / IM 2001		FS 180 L			185 kg	IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Mechanical data

Sound pressure level 50Hz/60Hz (load)	64 dB(A) [1]	69 dB(A) [1]
Moment of inertia	0.159 kg m²	
Bearing DE | NDE	6310 C3	6310 C3
Relubrication interval/quantity	10 g | 10 g 8000 h	
Lubricants	Esso Unirex N3	
Regreasing device	Yes	
Grease nipple	M10x1 DIN 3404 A	
Type of bearing	Locating bearing NDE	
Condensate drainage holes	Yes (standard)	
External earthing terminal	Yes (standard)	
Vibration severity grade	A	
Insulation	155(F)	
Duty type	S1	
Direction of rotation	bidirectional	
Frame material	cast iron	
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	cast iron
Type of terminal box	TB1 J01
Contact screw thread	M5
Max. cross-sectional area	16.0 mm²
Cable diameter from ... to ...	19.0 mm - 28.0 mm
Cable entry	2xM40x1,5
Cable gland	2 plugs

Special design (2)

L23 Regreasing system

L25 Double sides reinforced bearings for DE and NDE, Type 63

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