

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data : 1LA9131-2LA61-Z
C19

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data:

Rated voltage :	(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz					
Frequency :	50 Hz		60 Hz			
Rated power :	12.00 kW		13.80 kW			
Rated speed :	2905 1/ min		3505 1/ min			
Rated torque :	39.4 Nm		37.6 Nm			
Rated current (IE) :	VD	VY	VD			
	22.50 A	13.04 A				
Starting / rated current :	7.4					
Breakdown / rated torque :	3.2					
Starting / rated torque :	3.0					
Efficiency %	4/4	3/4	2/4	4/4	3/4	2/4
	85.6%	85.6%	84.6%			
Power factor :	0.89	0.86	0.80			
Efficiency class :	-/-					

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	68 dB(A)
Moment of inertia :	0.024 kg*m ²
Bearing DE :	6208 2ZC3
Bearing NDE :	6208 2ZC3
Type of bearing :	Floating bearings pre-loaded DE (standard)
Condensate drainage holes :	Yes (standard)
Regreasing device :	No
Lubricants :	Esso Unirex N3
Grease lifetime/Relubrication interval :	40000 h
Quantity of grease for relubrication :	null g
External earthing terminal :	No
Coating :	Special paint finish RAL 7030 stone gray

Environmental conditions:

Ambient temperature :	-20 °C - +40 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

General data:

Frame size	132 S
Design of electrical machine :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	56.00 kg
Frame material :	Aluminum
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A (Standard)
Insulation :	155(F) to 130(B)
Duty type :	S1 - continuous duty
Direction of rotation :	Bi-directional

Terminal box:

Material of terminal box :	
Type of terminal box :	gk 230
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design:

C19 Increased air humidity/temperature with 30-60g water per m³ air