

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data : 1LA9080-2LA11

without (standard)

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated voltage :	(1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz					
Frequency :	50 Hz		60 Hz			
Rated power :	1.45 kW		1.67 kW			
Rated speed :	2820 1/ min		3420 1/ min			
Rated torque :	4.9 Nm		4.7 Nm			
Rated current (IE) :	VD	VY	VY			
	5.74 A	3.30 A				
Starting / rated current :	6.7					
Breakdown / rated torque :	3.1					
Starting / rated torque :	3.1					
Efficiency %	4/4	3/4	2/4	4/4	3/4	2/4
	77.2%	77.7%	74.2%			
Power factor :	0.83	0.79	0.69			
Efficiency class :	-/-					

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	56 dB(A)
Moment of inertia :	0.001 kg*m ²
Bearing DE :	6004 2ZC3
Bearing NDE :	6004 2ZC3
Type of bearing :	Floating bearings pre-loaded DE (standard)
Condensate drainage holes :	No
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	080 M
Design of rotating electrical machines :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	9.80 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 :	Aluminum
Type of terminal box :	gk 030
Contact screw thread :	M4
Max. cross-sectional area :	1.50 mm ²
Cable diameter from ... to ... :	9.00 mm - 17.00 mm
Cable entry :	1xM25x1,5-1xM16x1,5
Cable gland :	2 plugs

Special design: