

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA6166-4AA66-Z**
L12

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 :	15.00 kW		17.30 kW			
Rated speed :	1460 1/ min		1760 1/ min			
Rated torque :	98.1 Nm		93.9 Nm			
Rated current (IE) :	VD	VY	VD			
	29.00 A	16.81 A	28.50 A			
Starting / rated current :	6.5		7.0			
Breakdown / rated torque :	3.0		3.0			
Starting / rated torque :	2.6		2.6			
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	88.7%	88.8%	87.7%	90.5%	90.5%	89.5%
Power factor :	0.84	0.80	0.71	0.84	0.80	0.71
Efficiency class :	IE1		IE1			

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	66 dB(A)	70 dB(A)
Moment of inertia :	0.055 kg*m ²	
Bearing DE :	6209 2ZC3	
Bearing NDE :	6209 2ZC3	
Type of bearing :	Locating bearing NDE (standard)	
Condensate drainage holes :	Yes	
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	160 L
Design of electrical machine :	(6) IM B35
Weight in kg, without optional accessories :	114.00 kg
Frame material :	Cast iron
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 335
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design:

L12 Condensation drain holes