



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA6163-2AA50-Z
C13+D22

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated voltage :		(5) 500 VD, 50 Hz, 575 VD 60 Hz					
Frequency :		50 Hz			60 Hz		
Rated power :		11.00 kW			12.60 kW		
Rated speed :		2940 1/ min			3540 1/ min		
Rated torque :		35.7 Nm			34.0 Nm		
Rated current (IE) :		VD			VD		
					16.40 A		
Starting / rated current :		6.5			6.6		
Breakdown / rated torque :		2.9			2.9		
Starting / rated torque :		2.1			2.1		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		87.6%	87.6%	86.6%	87.5%	87.5%	85.7%
Power factor :		0.88	0.85	0.78	0.88	0.85	0.78
Efficiency class :		IE1			IE1		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	70 dB(A)	74 dB(A)
Moment of inertia :	0.034 kg*m²	
Bearing DE :	6209 2ZC3	
Bearing NDE :	6209 2ZC3	
Type of bearing :	Locating bearing NDE (standard)	
Condensate drainage holes :	No	
Regreasing device :	No	
Lubricants :	Esso Unirex N3	
Grease lifetime/Relubrication interval :		
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 - +55 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

General data:

Frame size	160 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	96.00 kg
Frame material :	Cast iron
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A (Standard)
Insulation :	155(F) to 155(F)
Duty type :	S1 - continuous duty
Direction of rotation :	Bi-directional

Terminal box:

Material of terminal box :	Cast iron
Type of terminal box :	gk 335
Contact screw thread :	M5
Max. cross-sectional area :	16.00 mm²
Cable diameter from ... to ... :	19.00 mm - 28.00 mm
Cable entry :	
Cable gland :	

Special design:

C13	Temperature class 155 (F), utilised to 155 (F), with increased cooling medium temperature
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)