

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA5223-4AA60-Z
D22

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 :		45.00 kW			52.00 kW		
Rated speed :		1470 1/ min			1770 1/ min		
Rated torque :		292.3 Nm			280.6 Nm		
Rated current (IE) :		VD	VY		VD		
		81.00 A	46.96 A		82.00 A		
Starting / rated current :		7.7			7.7		
Breakdown / rated torque :		3.3			3.3		
Starting / rated torque :		2.8			2.8		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		91.7%	91.7%	90.7%	92.0%	92.0%	91.0%
Power factor :		0.87	0.84	0.76	0.87	0.84	0.76
Efficiency class :		IE1			-/-		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	65 dB(A)	69 dB(A)
Moment of inertia :	0.36 kg*m²	
Bearing DE :	6213 ZC3	
Bearing NDE :	6212 ZC3	
Type of bearing :	Locating bearing NDE (standard)	
Condensate drainage holes :		
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	225 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	232.00 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 431
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design:

D22 motor without CE character for export outside the EEA (see EU regulation 640/2009)