



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA5220-8AB60-Z
A23+B02+H70+L13+Y82

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 :		18.50 kW			22.00 kW		
Rated speed :		725 1/ min			875 1/ min		
Rated torque :		243.7 Nm			240.1 Nm		
Rated current (IE) :		VD	VY		VD		
		38.00 A	22.03 A		40.00 A		
Starting / rated current :		4.5			4.5		
Breakdown / rated torque :		2.2			2.2		
Starting / rated torque :		2.1			2.1		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		87.8%	87.8%	86.6%	87.9%	87.9%	86.9%
Power factor :		0.79	0.74	0.63	0.79	0.74	0.63
Efficiency class :		-/-			-/-		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	58 dB(A)	61 dB(A)
Moment of inertia :	0.37 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 :	Yes	
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 S
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	184.00 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:

A23	Motor temperature sensing with integrated KTY 84-130 temperature sensor
B02	Acceptance test certificate 3.1 acc. to EN 10204
H70	Mounted rotary pulse encoder LL 861 900 220
L13	External grounding
Y82	