

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LA5223-2AA60

without (standard)

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated motor voltage :		(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz					
Frequency :		50 Hz			60 Hz		
Rated power :		45.00 kW			51.00 kW		
Rated motor speed :		2960 1/ min			3560 1/ min		
Rated motor torque :		145.2 Nm			136.8 Nm		
Rated motor current (IE) :		VD	VY		VD		
		80.00 A	46.38 A		77.00 A		
Starting / rated motor current :		7.7			7.7		
Breakdown / rated motor		3.4			3.4		
Starting / rated motor torque :		2.8			2.8		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		91.7%	91.7%	90.7%	92.4%	92.4%	91.4%
Power factor :		0.89	0.86	0.80	0.90	0.88	0.83
Efficiency class :		IE1			IE1		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	71 dB(A)	75 dB(A)
Moment of inertia :	0.20 kg*m ²	
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
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	209.00 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 :	Aluminum
Type of terminal box :	gk 431
Contact screw thread :	M8
Max. cross-sectional area :	35.00 mm ²
Cable diameter from ... to ... :	27.00 mm - 35.00 mm
Cable entry :	
Cable gland :	

Special design: