

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LA7163-2AA10

without (standard)

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated motor voltage :	(1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz					
Frequency :	50 Hz		60 Hz			
Rated power :	11.00 kW		12.60 kW			
Rated motor speed :	2940 1/ min		3540 1/ min			
Rated motor torque :	35.7 Nm		34.0 Nm			
Rated motor current (IE) :	VD	VY		VY		
	35.65 A	20.50 A		20.50 A		
Starting / rated motor current :	6.5		6.6			
Breakdown / rated motor	2.9		2.9			
Starting / rated motor 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*m ²	
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 :	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 M
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	68.00 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 330
Contact screw thread :	M5
Max. cross-sectional area :	16.00 mm ²
Cable diameter from ... to ... :	19.00 mm - 28.00 mm
Cable entry :	
Cable gland :	

Special design: