

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LG4207-2AA60

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 :			37.00 kW 41.50 kW /			
Rated speed :			2955 1/min 3555 1/min			
Rated torque :			119.6 Nm 111.5 Nm			
Rated current (IE) :			VD	VY	VD	VY
			66.0 A	38.3 A	64.0 A	
Starting / rated current :			7.2 7.2			
Breakdown / rated torque :			3.3 3.3			
Starting / rated torque :			2.5 2.5			
			4/4	3/4	2/4	4/4
Efficiency %			91.2 %	91.5 %	90.8 %	91.7 %
						91.6 %
						90.5 %
Power factor :			0.89	0.86	0.78	0.89
						0.89
						0.79
Efficiency class :			IE1 IE1			
			no value			
			No			

Mechanical data :		
Sound pressure level 50Hz/60Hz (load) :	73.0(A)	77.0(A)
Moment of inertia :	0.15 kg m²	
Bearing DE :	6212 ZC3	
Bearing NDE :	6212 ZC3	
Type of bearing :	Locating bearing NDE (standard)	
Condensate drainage holes :	Yes	
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 :		

Explosion protection :	
Type of protection :	without (standard)

Environmental conditions :	
Ambient temperature :	-20.0 °C - +40 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

General data :	
Frame size :	200 L
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	225.00 kg
Frame material :	Cast iron
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A
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 430
Contact screw thread :	M6
Max. cross-sectional area :	25.00 mm ²
Cable diameter from ... to ... :	27.0mm - 35.0mm
Cable entry :	2xM50x1,5
Cable gland null	2 plugs

Special design :	
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