

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4207-2AA66

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	3/4	2/4
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)
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Environmental conditions :

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

General data :

Frame size :	200 L
Design of electrical machine :	(6) B35
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 mm²
Cable diameter from ... to ... :	27.0mm - 35.0mm
Cable entry :	2xM50x1,5
Cable gland null	2 plugs

Special design :