

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4207-4AA61-Z**
D22

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 :		30.00 kW			34.50 kW /		
Rated speed :		1465 1/min			1765 1/min		
Rated torque :		195.6 Nm			186.7 Nm		
Rated current (IE) :		VD	VY		VD	VY	
		56.0 A	32.5 A		54.0 A		
Starting / rated current :		6.7			6.8		
Breakdown / rated torque :		3.4			3.4		
Starting / rated torque :		2.5			2.5		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		90.7 %	91.1 %	90.6 %	92.4 %	92.6 %	91.9 %
Power factor :		0.85	0.80	0.70	0.86	0.86	0.73
Efficiency class :		IE1			IE1		
		no value					
		No					

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	66.0(A)	70.0(A)
Moment of inertia :	0.19 kg m ²	
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

General data :

Frame size :	200 L
Design of electrical machine :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	205.00 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 :

D22 motor without CE character for export outside the EEA (see EU regulation 640/2009)