



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4207-4AA61-Z
A23+D22+H61+K20

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 m²
Bearing DE :	
	NU212 E
Bearing NDE :	
	6212 C3
Type of bearing :	
	Locating bearing NDE (standard)
Condensate drainage holes :	
	Yes
Regreasing device :	
	No
Lubricants :	
	Esso Unirex N3
Grease lifetime/Relubrication interval :	
	20000 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 416
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 :	2xM50x1,5-1xM20x1,5
Cable gland null	3 plugs

Special design :	
A23	Motor temperature sensing with integrated KTY 84-130 temperature sensor
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
H61	Mounted separately-driven fan and rotary pulse encoder 1XP8 001-1
K20	Bearing design for increased cantilever forces