



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4313-4AA60-Z
A11+D22+G50+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 :			132.00 kW		152.00 kW /	
Rated speed :			1488 1/min		1788 1/min	
Rated torque :			847.2 Nm		811.9 Nm	
Rated current (IE) :			VD	VY	VD	VY
			240.0 A	139.1 A	235.0 A	
Starting / rated current :			6.8		6.8	
Breakdown / rated torque :			2.9		2.9	
Starting / rated torque :			2.7		2.7	
			4/4	3/4	2/4	4/4
Efficiency %			93.5 %	93.5 %	92.9 %	94.5 %
						94.3 %
						93.6 %
Power factor :			0.85	0.82	0.74	0.86
						0.86
						0.77
Efficiency class :			IE1		IE1	
no value						
No						

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	
Moment of inertia :	2.30 kg m²
Bearing DE :	NU319 E
Bearing NDE :	6319 C3
Type of bearing :	Locating bearing NDE (standard)
Condensate drainage holes :	Yes
Regreasing device :	Yes (standard)
Lubricants :	Esso Unirex N3
Grease lifetime/Relubrication interval :	6000 h
Quantity of grease for relubrication :	40.0 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 :	315 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	810.00 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 :	Cast iron
Type of terminal box :	gt 620
Contact screw thread :	M12
Max. cross-sectional area :	240.00 mm²
Cable diameter from ... to ... :	38.0mm - 45.0mm
Cable entry :	2xM63x1,5-2xM20x1,5
Cable gland null	4 plugs

Special design :	
A11	PTC thermistor motor protection using 3 integrated temperature sensors for shutdown
D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)
G50	Measuring nipple for SPM shock pulse measurement
K20	Bearing design for increased cantilever forces