

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG6312-4MA60

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 :	315.00 kW			362.00 kW /		
Rated speed :	1488 1/min			1788 1/min		
Rated torque :	2021.7 Nm			1933.5 Nm		
	VD	VY		VD	VY	
	560.0 A	324.6 A		550.0 A		
Starting / rated current :	7.9			7.9		
Breakdown / rated torque :	3.2			3.1		
Starting / rated torque :	3.4			3.3		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	95.1 %	94.9 %	94.4 %	95.4 %	95.3 %	94.5 %
Power factor :	0.86	0.83	0.73	0.86	0.86	0.75
Efficiency class :	IE2			IE2		
Design Letter / Code Letter	A					
CC 032A						

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	74.0(A)	78.0(A)
Moment of inertia :	5.00 kg m ²	
Bearing DE :	6319 C3	
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 :	3000 h	
Quantity of grease for relubrication :	40.0 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 :	315 L
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	1480.00 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 640L
Contact screw thread :	M12
Max. cross-sectional area :	240.00 mm ²
Cable diameter from ... to ... :	44.0mm - 55.0mm
Cable entry :	2xM72x2
Cable gland null	2 plugs

Special design :