



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG6318-2MB66-Z
A12

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 :			250.00 kW		280.00 kW /	
Rated speed :			2985 1/min		3585 1/min	
Rated torque :			799.8 Nm		745.9 Nm	
			VD	VY	VD	VY
			415.0 A	240.6 A	400.0 A	
Starting / rated current :			8.6		8.7	
Breakdown / rated torque :			3.8		3.4	
Starting / rated torque :			3.0		3.5	
			4/4	3/4	2/4	
Efficiency %			95.0 %	94.9 %	94.4 %	95.4 %
Power factor :			0.91	0.89	0.84	0.92
Efficiency class :			IE2		IE2	
Design Letter / Code Letter			A			
CC 032A						

Mechanical data :		
Sound pressure level 50Hz/60Hz (load) :		
78.0(A)		83.0(A)
Moment of inertia :		
2.60 kg m²		
Bearing DE :		
6316 C3		
Bearing NDE :		
6316 C3		
Type of bearing :		
Locating bearing NDE (standard)		
Condensate drainage holes :		
Yes		
Regreasing device :		
Yes (standard)		
Lubricants :		
Esso Unirex N3		
Grease lifetime/Relubrication interval :		
2000 h		
Quantity of grease for relubrication :		
30.0 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 L
Design of electrical machine :	(6) B35
Weight in kg, without optional accessories :	1270.00 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 mm²
Cable diameter from ... to ... :	44.0mm - 55.0mm
Cable entry :	2xM72x2-2xM20x1,5
Cable gland null	4 plugs

Special design :	
A12	PTC thermistor motor protection using 6 integrated temperature sensors for alarm and shutdown