



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG6318-4MA60-Z
D25

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			288.00 kW /	
Rated speed :		1488 1/min			1788 1/min	
Rated torque :		1604.5 Nm			1538.3 Nm	
Rated current (IE) :		VD	VY	VD	VY	
		430.0 A	249.3 A	345.0 A		
Starting / rated current :		7.7			9.6	
Breakdown / rated torque :		3.2			3.8	
Starting / rated torque :		3.1			3.8	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %		96.0 %	96.1 %	95.6 %	96.2 %	96.1 % 95.7 %
Power factor :		0.87	0.84	0.77	0.85	0.85 0.72
Efficiency class :		IE3			IE3	
Design Letter / Code Letter		A			no value	
CC 032A		No				

Mechanical data :		
Sound pressure level 50Hz/60Hz (load) :	73.0(A)	78.0(A)
Moment of inertia :	4.20 kg m²	
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)

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 :	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
Cable gland null	2 plugs

Special design :	
D25	Premium Efficiency - IE3