



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4316-4AA60-Z
A11+D22+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 :			160.00 kW		184.00 kW /			
Rated speed :			1486 1/min		1786 1/min			
Rated torque :			1028.3 Nm		983.9 Nm			
Rated current (IE) :			VD	VY	VD	VY		
			285.0 A	165.2 A	280.0 A			
Starting / rated current :			6.8		6.8			
Breakdown / rated torque :			2.8		2.8			
Starting / rated torque :			2.7		2.7			
			4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %			93.8 %	93.9 %	93.5 %	94.5 %	94.5 %	94.1 %
Power factor :			0.86	0.84	0.76	0.87	0.87	0.79
Efficiency class :			IE1			IE1		
no value								
No								

Mechanical data :		
Sound pressure level 50Hz/60Hz (load) :		
Moment of inertia :		
Bearing DE :		
Bearing NDE :		
Type of bearing :		
Condensate drainage holes :		
Regreasing device :		
Lubricants :		
Grease lifetime/Relubrication interval :		
Quantity of grease for relubrication :		
External earthing terminal :		
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 :	955.00 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 640/2009)
K20	Bearing design for increased cantilever forces