



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG6317-8PM80-Z
A11+G17+H73+L27+Y81

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data :			
Rated voltage :		(8) 400 VD / 690 VY 50 Hz (+/- 5%)	
Frequency :		50 Hz	
Rated power :		110.00 kW	
Rated speed :		740 1/min	
Rated torque :		1419.6 Nm	
Rated current (EFF) :		VD 200.0 A	VY 115.9 A
Starting / rated current :		6.4	
Breakdown / rated torque :		2.6	
Starting / rated torque :		2.4	
		4/4	3/4
Efficiency %		93.6 %	93.9 %
			2/4
Power factor :		0.84	0.79
			0.70
Efficiency class :		-	

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	
64.0(A)	
Moment of inertia :	
4.516 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 :	
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 L	
Design of electrical machine :	
(0) IM B3 / B6 / B7 / B8 / V5 without canopy	
Weight in kg, without optional accessories :	
1100.00 kg	
Frame material :	
Cast iron	
Degree of protection :	
IP 55	
Method of cooling, TEFC :	
IC 416	
Vibration class :	
A	
Insulation :	
155(F) to 155(F)	
Duty type :	
inverter duty only	
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
G17	Mounting a separately-driven (external) fan
H73	Mounted rotary pulse encoder HOG10 D1024 I
L27	Insulated bearing cartridge
Y81	External fan with non-standard voltage and/or frequency: