

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG6318-6PM80-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 :	160.00 kW		
Rated speed :	990 1/min		
Rated torque :	1543.4 Nm		
Rated current (EFF) :	VD	VY	
	280.0 A	162.3 A	
Starting / rated current :	7.8		
Breakdown / rated torque :	3.1		
Starting / rated torque :	3.2		
	4/4	3/4	2/4
Efficiency %	94.4 %	94.2 %	93.9 %
Power factor :	0.86	0.82	0.73
Efficiency class :	-		

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	64.0(A)
Moment of inertia :	5.40 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 :	
Quantity of grease for relubrication :	null 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 :	1245.00 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 :

Type of terminal box :

Contact screw thread :

Max. cross-sectional area :

Cable diameter from ... to ... :

Cable entry :

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: