



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG6186-4PM80-Z
A11+B02+K45+L36+M94+Y84

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 :		22.00 kW	
Rated speed :		1470 1/min	
Rated torque :		142.9 Nm	
Rated current (EFF) :		VD 40.5 A	VY 23.5 A
Starting / rated current :		6.7	
Breakdown / rated torque :		3.1	
Starting / rated torque :		2.5	
		4/4	3/4
Efficiency %	91.1 %	91.4 %	2/4 91.1 %
Power factor :	0.84	0.79	0.69
Efficiency class :		-	

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	
60.0(A)	
Moment of inertia :	
0.1435 kg m²	
Bearing DE :	
6210 ZC3	
Bearing NDE :	
6210 ZC3	
Type of bearing :	
Locating bearing NDE (standard)	
Condensate drainage holes :	
Yes	
Regreasing device :	
No	
Lubricants :	
Esso Unirex N3	
Grease lifetime/Relubrication interval :	
40000 h	
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 :	
180 L	
Design of electrical machine :	
(0) IM B3 / B6 / B7 / B8 / V5 without canopy	
Weight in kg, without optional accessories :	
180.00 kg	
Frame material :	
Cast iron	
Degree of protection :	
IP 55	
Method of cooling, TEFC :	
IC 411	
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 :	
Aluminum	
Type of terminal box :	
gk 330	
Contact screw thread :	
M5	
Max. cross-sectional area :	
16.00 mm²	
Cable diameter from ... to ... :	
19.0mm - 28.0mm	
Cable entry :	
2xM40x1,5-2xM20x1,5	
Cable gland null	
3 plugs	

Special design :	
A11	PTC thermistor motor protection using 3 integrated temperature sensors for shutdown
B02	Acceptance test certificate 3.1 acc. to EN 10204
K45	Anti-condensation heating, 230V
L36	Sheet steel fan cowl
M94	Speacial paint finish in sea air resistant
Y84	