



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4313-2AB90-Z
L1Y+L27+M73+M95+Y51

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

Item no. :
Consignment no. :
Project :

Elec. data - DOL ¹:

Rated voltage :

Frequency :

Rated power :

Rated speed :

Rated torque :

Rated current (IE) :

Starting / rated current :

Breakdown / rated torque :

Starting / rated torque :

Efficiency %

Power factor :

Efficiency class :

Special voltage, non-standard winding

General data :

Frame size :

Design of electrical machine :

Weight in kg, without optional accessories :

Frame material :

Degree of protection :

Method of cooling, TEFC :

Vibration class :

Insulation :

Duty type :

Direction of rotation :

315 M

(0) IM B3 / B6 / B7 / B8 / V5
without canopy

775.00 kg

Cast iron

IP 55

IC 416

A

155(F) to 130(B)

MICROMASTER DUTY S9

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

Cast iron

gt 640

M12

240.00 mm²

40.0mm - 48.0mm

2xM63x1,5-2xM20x1,5

2 glands, 2 plugs

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 :

1.40 kg m²

6219 C3

6219 C3

Locating bearing NDE (standard)

Yes

Yes (standard)

Esso Unirex N3

3000 h

30.0 g

Yes

Special design :

L1Y

L27

M73

M95

Y51

Insulated bearing cartridge

Version for Zone 2, converter operation, red. power, Ex nA II T3 n.IEC 60079-15

Mounted separately-driven (external) fan in Ex nA for Zone 2

Explosion protection :

Type of protection :

Environmental conditions :

Ambient temperature :

Altitude above sea level :

Standards and specifications :

-20.0 °C - +40 °C

1000 m

IEC, DIN, ISO, VDE, EN

The electrical data of the motor, when operated in conjunction with a converter, must be determined by using the "Sinamics Micromaster Sizer" tool according to the required load data and duty cycle of the application.