

## Data sheet for three-phase Squirrel-Cage-Motors

**MLFB-Ordering data :** 1LA7083-4AA91-Z  
D31+L1Y

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

Item no. :  
Consignment no. :  
Project :

### Electrical data:

Rated voltage :	Special voltage, non-standard winding		
Frequency :	50 Hz		
Rated power :	0.75 kW		
Rated speed :	1395 1/ min		
Rated torque :	5.1 Nm		
Rated current (IE) :	VD	VY	VD VY
	1.88 A	1.09 A	
Starting / rated current :	4.2		
Breakdown / rated torque :	2.3		
Starting / rated torque :	2.3		
	4/4	3/4	2/4
Efficiency %	72.1%	72.1%	68.1%
Power factor :	0.80	0.75	0.66
Efficiency class :	IE1		

### Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	47 dB(A)
Moment of inertia :	0.0017 kg*m <sup>2</sup>
Bearing DE :	6004 2ZC3
Bearing NDE :	6004 2ZC3
Type of bearing :	Floating bearings pre-loaded DE (standard)
Condensate drainage holes :	No
Regreasing device :	No
Lubricants :	Esso Unirex N3
Grease lifetime/Relubrication interval :	40000 h
Quantity of grease for relubrication :	null g
External earthing terminal :	No
Coating :	Special paint finish RAL 7030 stone gray

### Environmental conditions:

Ambient temperature :	-20 °C - +40 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, EN, UL

### General data:

Frame size	080 M
Design of electrical machine :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	10.00 kg
Frame material :	Aluminum
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A (Standard)
Insulation :	155(F) to 130(B)
Duty type :	S1 - continuous duty
Direction of rotation :	Bi-directional

### Terminal box:

Material of terminal box :	
Type of terminal box :	gk 030
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

### Special design:

D31	Version according to UL with "Recognition Mark"
L1Y	Voltage code 9 non-standard winding: L1Y:400VD,690VY,50Hz,0.75kW