

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



**Ordering data :** 1LA7163-6AA10

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

Item no. :  
Consignment no. :  
Project :

### Electrical data:

Rated motor voltage :	(1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz					
Frequency :	50 Hz		60 Hz			
Rated power :	7.50 kW		8.60 kW			
Rated motor speed :	960 1/ min		1160 1/ min			
Rated motor torque :	74.6 Nm		70.8 Nm			
Rated motor current (IE) :	VD	VY	VY			
	29.57 A	17.00 A	17.00 A			
Starting / rated motor current :	4.6		4.9			
Breakdown / rated motor	2.5		2.5			
Starting / rated motor torque :	2.1		2.1			
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	84.7%	84.7%	83.7%	86.0%	86.0%	85.0%
Power factor :	0.74	0.68	0.55	0.74	0.68	0.55
Efficiency class :	-/-		IE1			

### Mechanical data:

Sound pressure level 50 Hz/60Hz (load) :	66 dB(A)	70 dB(A)
Moment of inertia :	0.044 kg*m <sup>2</sup>	
Bearing DE :	6209 2ZC3	
Bearing NDE :	6209 2ZC3	
Type of bearing :	Locating bearing NDE (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	

### Explosion protection:

Type of protection : without (standard)

### Environmental conditions:

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

### General data:

Frame size	160 M
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	74.00 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 :	Aluminum
Type of terminal box :	gk 330
Contact screw thread :	M5
Max. cross-sectional area :	16.00 mm <sup>2</sup>
Cable diameter from ... to ... :	19.00 mm - 28.00 mm
Cable entry :	
Cable gland :	

### Special design: