

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LA9183-4WA60

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated motor voltage :		(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz					
Frequency :		50 Hz			60 Hz		
Rated power :		18.50 kW			21.30 kW		
Rated motor speed :		1465 1/ min			1765 1/ min		
Rated motor torque :		120.6 Nm			115.2 Nm		
Rated motor current (IE) :		VD	VY		VD		
		35.00 A	20.29 A		35.00 A		
Starting / rated motor current :		7.0			7.3		
Breakdown / rated motor		3.2			3.1		
Starting / rated motor torque :		2.8			2.4		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		91.2%	91.6%	90.2%	91.0%	91.0%	90.0%
Power factor :		0.84	0.80	0.71	0.84	0.80	0.71
Efficiency class :		IE2			IE2		

Mechanical data:

Sound pressure level 50 Hz/60Hz (load) :	63 dB(A)	67 dB(A)
Moment of inertia :	0.15 kg*m ²	
Bearing DE :	6210 ZC3	
Bearing NDE :	6210 ZC3	
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	180 M
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	126.00 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 ²
Cable diameter from ... to ... :	19.00 mm - 28.00 mm
Cable entry :	
Cable gland :	

Special design: