

Data sheet for three-phase Squirrel-Cage-Motors



Ordering data : 1LG4253-4AA60

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 :		55.00 kW			63.00 kW /	
Rated motor speed :		1480 1/min			1780 1/min	
Rated motor torque :		354.9 Nm			338.0 Nm	
Rated motor current (IE) :		VD	VY	VD	VY	
		101.0 A	58.5 A	100.0 A		
Starting / rated motor current :		6.1			6.1	
Breakdown / rated motor		2.8			2.8	
Starting / rated motor torque :		2.4			2.4	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %		92.1 %	92.4 %	92.0 %	93.0 %	93.2 % 92.5 %
Power factor :		0.85	0.82	0.72	0.85	0.85 0.75
Efficiency class :		IE1			IE1	
no value						
No						

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	67.0(A)	71.0(A)
Moment of inertia :	0.69 kg m²	
Bearing DE :	6215 ZC3	
Bearing NDE :	6215 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 :		250 M
Type of construction :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy	
Weight in kg, without optional accessories :	390.00 kg	
Frame material :	Cast iron	
Degree of protection :	IP 55	
Method of cooling, TEFC :	IC 411	
Vibration class :	A	
Insulation :	155(F) to 130(B)	
Duty type :	S1 - continuous duty	
Direction of rotation :	Bi-directional	

Terminal box :

Material of terminal box :		Cast iron
Type of terminal box :	gt 520	
Contact screw thread :	M10	
Max. cross-sectional area :	120.00 mm ²	
Cable diameter from ... to ... :	34.0mm - 42.0mm	
Cable entry :	2xM63x1,5	
Cable gland null	2 plugs	

Special design :