

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4253-4AA60-Z**
D22+K20

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

Item no. :
Consignment no. :
Project :

Electrical data :						
Rated 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 speed :		1480 1/min			1780 1/min	
Rated torque :		354.9 Nm			338.0 Nm	
Rated current (IE) :		VD	VY		VD	VY
		101.0 A	58.5 A		100.0 A	
Starting / rated current :		6.1			6.1	
Breakdown / rated torque :		2.8			2.8	
Starting / rated 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 :	NU215 E	
Bearing NDE :	6215 C3	
Type of bearing :	Locating bearing NDE (standard)	
Condensate drainage holes :	Yes	
Regreasing device :	No	
Lubricants :	Esso Unirex N3	
Grease lifetime/Relubrication interval :	20000 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

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

General data :	
Frame size :	250 M
Design of electrical machine :	(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 :	
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
K20	Bearing design for increased cantilever forces