



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4253-2AB50-Z
A11+D22

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

Item no. :
Consignment no. :
Project :

Electrical data :			
Rated voltage :		(5) 500 VD, 50 Hz	
Frequency :	50 Hz		
Rated power :	55.00 kW		
Rated speed :	2970 1/min		
Rated torque :	176.9 Nm		
Rated current (IE) :	VD		
	78.4 A		
Starting / rated current :	6.7		
Breakdown / rated torque :	3.1		
Starting / rated torque :	2.1		
Efficiency %	4/4	3/4	2/4
	92.1 %	92.2 %	91.4 %
Power factor :	0.88	0.85	0.78
Efficiency class :	IE1		

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 :	375.00 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 mm²
Cable diameter from ... to ... :	34.0mm - 42.0mm
Cable entry :	2xM63x1,5-2xM20x1,5
Cable gland null	4 plugs

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	75.0(A)
Moment of inertia :	0.40 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 :	

Special design :	
A11	PTC thermistor motor protection using 3 integrated temperature sensors for shutdown
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)

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