



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4283-8AB64-Z
A11

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 :		45.00 kW			54.00 kW /	
Rated speed :		735 1/min			882 1/min	
Rated torque :		584.7 Nm			584.7 Nm	
Rated current (IE) :		VD	VY		VD	VY
		88.0 A	51.0 A		90.0 A	
Starting / rated current :		5.1			5.0	
Breakdown / rated torque :		2.1			2.0	
Starting / rated torque :		2.2			2.1	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %		91.0 %	91.8 %	91.8 %	91.7 %	92.7 % 92.7 %
Power factor :		0.81	0.78	0.69	0.82	0.82 0.70
Efficiency class :		-			-	
no value						
No						

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	
	58.0(A) 63.0(A)
Moment of inertia :	
	1.354 kg m²
Bearing DE :	
	6317 C3
Bearing NDE :	
	6317 C3
Type of bearing :	
	Locating bearing NDE (standard)
Condensate drainage holes :	
	Yes
Regreasing device :	
	Yes (standard)
Lubricants :	
	Esso Unirex N3
Grease lifetime/Relubrication interval :	
	8000 h
Quantity of grease for relubrication :	
	30.0 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 :	280 M
Design of electrical machine :	(4) IM V1 / IM 3011 with canopy
Weight in kg, without optional accessories :	515.00 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

Special design :	
A11	PTC thermistor motor protection using 3 integrated temperature sensors for shutdown