



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4188-6AA60

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 :		18.50 kW			22.00 kW /	
Rated speed :		970 1/min			1170 1/min	
Rated torque :		182.1 Nm			179.6 Nm	
Rated current (IE) :		VD	VY	VD	VY	
		37.5 A	21.7 A	37.5 A		
Starting / rated current :		4.9			4.9	
Breakdown / rated torque :		2.4			2.3	
Starting / rated torque :		2.3			2.3	
		4/4	3/4	2/4	4/4	3/4 2/4
Efficiency %		88.6 %	89.3 %	88.8 %	91.0 %	91.8 % 91.5 %
Power factor :		0.80	0.75	0.64	0.81	0.81 0.68
Efficiency class :		IE1			IE1	

no value

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	
	59.0(A) 63.0(A)
Moment of inertia :	
	0.20 kg m²
Bearing DE :	
	6210 ZC3
Bearing NDE :	
	6210 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

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

General data :	
Frame size :	180 L
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	175.00 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 :	Aluminum
Type of terminal box :	gk 330
Contact screw thread :	M5
Max. cross-sectional area :	16.00 mm²
Cable diameter from ... to ... :	19.0mm - 28.0mm
Cable entry :	2xM40x1,5
Cable gland null	2 plugs

Special design :	
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