

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG6280-6PM30-Z
D47+K10

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

Item no. :
Consignment no. :
Project :

Electrical data :

Rated voltage :	(3) 500 VY, 50 Hz		
Frequency :	50 Hz		
Rated power :	45.00 kW		
Rated speed :	988 1/min		
Rated torque :	435.0 Nm		
Rated current (EFF) :		VY	64.8 A
Starting / rated current :	6.8		
Breakdown / rated torque :	2.7		
Starting / rated torque :	3.0		
Efficiency %	4/4	3/4	2/4
	92.2 %	92.4 %	92.2 %
Power factor :	0.85	0.81	0.71
Efficiency class :	-		

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	58.0(A)
Moment of inertia :	1.369 kg m ²
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 S
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	520.00 kg
Frame material :	Cast iron
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A
Insulation :	155(F) to 155(F)
Duty type :	inverter duty only
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 :

K10 Terminal box mounted on the left side