SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LG4280-4AA66-Z**
D22

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 :	75.00 kW			86.00 kW /		
Rated speed :	1485 1/min			1785 1/min		
Rated torque :	482.3 Nm			460.1 Nm		
Rated current (IE) :	VD	VY		VD	VY	
	137.0 A	79.4 A		135.0 A		
Starting / rated current :	7.1			7.1		
Breakdown / rated torque :	3.0			3.0		
Starting / rated torque :	2.5			2.5		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	92.7 %	92.6 %	91.6 %	93.2 %	93.0 %	92.0 %
Power factor :	0.85	0.81	0.71	0.86	0.86	0.73
Efficiency class :	IE1			IE1		
				no value		
	No					

Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	70.0(A)	73.0(A)
Moment of inertia :	1.20 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 S
Design of electrical machine :	(6) B35
Weight in kg, without optional accessories :	535.00 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
Cable gland *null*	2 plugs

Special design :

D22 motor without CE character for export outside the EEA (see EU regulation 640/2009)