



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA5186-4AA66-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 :		22.00 kW			25.30 kW		
Rated speed :		1460 1/ min			1760 1/ min		
Rated torque :		143.9 Nm			137.3 Nm		
Rated current (IE) :		VD	VY		VD		
		42.00 A	24.35 A		41.50 A		
Starting / rated current :		7.5			7.5		
Breakdown / rated torque :		3.0			3.0		
Starting / rated torque :		2.3			2.3		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		89.9%	89.9%	88.9%	91.0%	91.0%	90.0%
Power factor :		0.84	0.80	0.71	0.84	0.80	0.71
Efficiency class :		IE1			IE1		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	63 dB(A)	67 dB(A)
Moment of inertia :	0.15 kg*m²	
Bearing DE :	6210 ZC3	
Bearing NDE :	6210 ZC3	
Type of bearing :	Locating bearing NDE (standard)	
Condensate drainage holes :	No	
Regreasing device :	No	
Lubricants :	Esso Unirex N3	
Grease lifetime/Relubrication interval :	40000 h	
Quantity of grease for relubrication :	null g	
External earthing terminal :	No	
Coating :	Special paint finish RAL 7030 stone gray	

Environmental conditions:

Ambient temperature :	-20 °C - +40 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

General data:

Frame size	180 L
Design of electrical machine :	(6) IM B35
Weight in kg, without optional accessories :	123.00 kg
Frame material :	Aluminum
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A (Standard)
Insulation :	155(F) to 130(B)
Duty type :	S1 - continuous duty
Direction of rotation :	Bi-directional

Terminal box:

Material of terminal box :	
Type of terminal box :	gk 330
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design:

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