

## Data sheet for three-phase Squirrel-Cage-Motors

**MLFB-Ordering data :**           **1LG6253-4AA90-Z**  
**B02+C22+K26+K35+K50+L1L+M27+M72**

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

Item no. :  
 Consignment no. :  
 Project :

<i>Electrical data :</i>						
Rated voltage :	380 VDI/660 VY, 50 Hz					
Frequency :	50 Hz		60 Hz			
Rated power :	52.80 kW		60.50 kW			
Rated speed :	1486 1/min		1786 1/min			
Rated torque :	339.4 Nm		323.5 Nm			
Rated current (IE) :	VD	VY	VD	VY		
	99.0 A	57.0 A	101.4 A			
Starting / rated current :	7.8		7.7			
Breakdown / rated torque :	3.1		3.1			
Starting / rated torque :	2.7		2.7			
Efficiency %	4/4	3/4	2/4	4/4	3/4	2/4
	93.5 %	93.7 %	93.4 %	94.1 %	94.1 %	93.6 %
	0.87	0.83	0.74	0.87	0.87	0.74
Power factor :	0.87		0.87			
Efficiency class :	IE2		IE2			
			L			
	No					

<i>General data :</i>	
Frame size :	250 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	460.00 kg
Frame material :	Cast iron
Degree of protection :	
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

<i>Mechanical data :</i>	
Sound pressure level 50Hz/60Hz (load) :	65.0(A)
Moment of inertia :	0.856 kg m <sup>2</sup>
Bearing DE :	6215 ZC3
Bearing NDE :	6215 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 :	

<i>Terminal box :</i>	
Material of terminal box :	Cast iron
Type of terminal box :	gt 540
Contact screw thread :	M10
Max. cross-sectional area :	120.00 mm <sup>2</sup>
Cable diameter from ... to ... :	34.0mm - 42.0mm
Cable entry :	2xM63x1,5
Cable gland null	1 gland, 1 plug

<i>Special design :</i>	
B02	Acceptance test certificate 3.1 acc. to EN 10204
C22	Temperature class 155 (F), utilised to 130 (B), cooling medium temperature 45°C, power reduced by approx. 4 %
K26	Special paint finish, RAL 7030 stone grey
K35	Outer metal fan
K50	IP65 degree of protection
L1L	380 VDI/660 VY at 50 Hz
M27	Stainless steel screws (outside)
M72	Version for Zone 2 for line operation Ex nA II T3 acc. to IEC/EN 60079-15

<i>Explosion protection :</i>
Type of protection :

<i>Environmental conditions :</i>	
Ambient temperature :	-20.0 °C - +45 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN