

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

MLFB-Ordering data : 1LG4310-6AA60

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 :	75.00 kW		90.00 kW /			
Rated speed :	988 1/min		1188 1/min			
Rated torque :	724.9 Nm		723.5 Nm			
Rated current (IE) :	VD	VY	VD	VY		
	139.0 A	80.6 A	143.0 A			
Starting / rated current :	6.5		6.4			
Breakdown / rated torque :	2.8		2.7			
Starting / rated torque :	2.5		2.5			
Efficiency %	4/4	3/4	2/4	4/4	3/4	2/4
	92.6 %	92.8 %	92.1 %	93.0 %	93.1 %	92.6 %
	0.84	0.78	0.67	0.85	0.85	0.73
Power factor :						
Efficiency class :	IE1		IE1			
			no value			
	No					

### Mechanical data :

Sound pressure level 50Hz/60Hz (load) :	65.0(A)	68.0(A)
Moment of inertia :	2.10 kg m <sup>2</sup>	
Bearing DE :	6319 C3	
Bearing NDE :	6319 C3	
Type of bearing :	Locating bearing NDE (standard)	
Condensate drainage holes :	Yes	
Regreasing device :	Yes (standard)	
Lubricants :	Esso Unirex N3	
Grease lifetime/Relubrication interval :	6000 h	
Quantity of grease for relubrication :	40.0 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 :	315 S
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	685.00 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 620
Contact screw thread :	M12
Max. cross-sectional area :	240.00 mm <sup>2</sup>
Cable diameter from ... to ... :	38.0mm - 45.0mm
Cable entry :	2xM63x1,5
Cable gland null	2 plugs

### Special design :