



Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LG4207-4AA90-Z
B02+K15+K35+K40+K50+L1D+Y82

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

Item no. :
Consignment no. :
Project :

Electrical data :			
Rated voltage :		415 VD, 50 Hz	
Frequency :		50 Hz	
Rated power :		30.00 kW	
Rated speed :		1465 1/min	
Rated torque :		195.6 Nm	
Rated current (IE) :		VD	
		54.0 A	
Starting / rated current :		6.7	
Breakdown / rated torque :		3.4	
Starting / rated torque :		2.5	
Efficiency %	4/4	3/4	2/4
	90.7 %	91.1 %	90.6 %
Power factor :	0.85	0.80	0.70
Efficiency class :		IE1	

Mechanical data :	
Sound pressure level 50Hz/60Hz (load) :	66.0(A)
Moment of inertia :	0.19 kg m²
Bearing DE :	6212 C3
Bearing NDE :	6212 C3
Type of bearing :	Locating bearing NDE (standard)
Condensate drainage holes :	Yes
Regreasing device :	Yes
Lubricants :	Esso Unirex N3
Grease lifetime/Relubrication interval :	8000 h
Quantity of grease for relubrication :	20.0 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 :	200 L
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	205.00 kg
Frame material :	Cast iron
Degree of protection :	IP 65
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 420
Contact screw thread :	M6
Max. cross-sectional area :	25.00 mm²
Cable diameter from ... to ... :	27.0mm - 35.0mm
Cable entry :	2xM50x1,5
Cable gland null	2 plugs

Special design :	
B02	Acceptance test certificate 3.1 acc. to EN 10204
K15	Terminal box in a cast iron design
K35	Outer metal fan
K40	Regreasing system
K50	IP65 degree of protection
L1D	415 VD, 50 Hz
Y82	