

Data sheet for three-phase motors



MLFB-Ordering data: 1LA8317-8AB60

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

Item no.:
Consignment no.:
Project:

Electrical data:					General data:				
Type data:					Frame size315				
Power P		200 kW			Method of cooling		IC411 - self ventilated open-circuit cooled		
Thermal class / utilisation		155(F) to 130(B)			Mode of operation		Line		
Rated voltage U D/Y		400/690 VD/Y 50 Hz			Type of construction		IM B3		
Frequency f		50 Hz			Degree of protection		IP55		
Speed n		739 1/min			Total weight		1500 kg		
Motor torque M		2585 Nm			Coating (paint finish)		Standard paint finish		
Current I		VD 372 A		VY 216 A	Color, paint shade		RAL 7030		
Rated data:					Type of explosion protectionnone				
Rated power P _N :		200 kW			Standards/specifications		IEC, DIN, ISO, VDE, EN		
Thermal class / utilisation		155(F) to 130(B)			Motor protection		PTC thermistor motor protection using 6 integrated temperature sensors for alarm and shutdown		
Service factor		1.00							
Rated speed n _N		739 1/min							
Rated torque M _N		2585 Nm							
Rated current I _N		VD 372 A		VY 216 A					
Starting / rated current I _A /I _N		6.00							
Breakdown/rated torque M _K /M _N		2.40							
Starting / rated torque M _A /M _N		2.10							
Efficiency class in acc. to 60034-30-1/NEMA		IE3							
Partial load P/P _N		5/4	4/4	3/4	2/4				
Efficiency η in % in acc. to IEC 60034-2-1		93.8 %	94.7 %	94.8 %	94.8 %				
Power factor cos φ		0.85	0.82	0.79	0.70				
Mechanical data:									
Moment of inertia J _{mot}		7.3 kg*m²							
Rotor winding material		Al							
Bearing DE	deep-groove ball bearing	6218 C3							
Bearing NDE	deep-groove ball bearing	6218 C3							
Direction of rotation		Both							
Relubrication interval/quantity DE NDE		6000 h / 40 g							
Environmental conditions:									
Coolant temperature K _T		40 °C							
Installation altitude		1000 m							

Terminal box:	
Type of terminal box	GT640
Conductor cross section, max. (IEC)	185 mm²
Contact screw thread	M12
Cable diameter from ... to ...	41,0 ... 56,5
Cable entry	2 x M72x2 + 2 x M20x1,5
Special design:	