

Data sheet for three-phase motors



MLFB-Ordering data: 1LA8317-6EB60

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

Electrical data:				
Type data:				
Power P	200 kW			
Thermal class / utilisation	155(F) to 130(B)			
Rated voltage U D/Y	400/690 VD/Y 50 Hz			
Frequency f	50 Hz			
Speed n	993 1/min			
Motor torque M	1923 Nm			
Current I	VD 359 A	VY 208 A		
Rated data:				
Rated power P _N :	200 kW			
Thermal class / utilisation	155(F) to 130(B)			
Service factor	1.00			
Rated speed n _N	993 1/min			
Rated torque M _N	1923 Nm			
Rated current I _N	VD 359 A	VY 208 A		
Starting / rated current I _A /I _N	6.50			
Breakdown/rated torque M _K /M _N	2.70			
Starting / rated torque M _A /M _N	1.80			
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	95.1 %	95.8 %	95.7 %	95.1 %
Power factor cos φ	0.85	0.84	0.81	0.72
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			

General data:	
Frame size	315
Method of cooling	IC411 - self ventilated open-circuit cooled
Mode of operation	Line
Type of construction	IM B3
Degree of protection	IP55
Total weight	1300 kg
Coating (paint finish)	Standard paint finish
Color, paint shade	RAL 7030
Type of explosion protection	none
Standards/specifications	IEC, DIN, ISO, VDE, EN
Motor protection	PTC thermistor motor protection using 6 integrated temperature sensors for alarm and shutdown
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:	

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.