

Data sheet for three-phase motors



MLFB-Ordering data: 1LA8315-4PB40

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

Electrical data:				General data:			
Type data:				Frame size			
Power P				315			
Thermal class / utilisation				Method of cooling			
155(F) to 155(F)				IC411 - self ventilated open-circuit cooled			
Rated voltage U D/Y				Mode of operation			
400 VD 50 Hz				Converter without filter			
Frequency f				Type of construction			
50 Hz				IM B3			
Speed n				Degree of protection			
1488 1/min				IP55			
Motor torque M				Total weight			
1605 Nm				1300 kg			
Current I				Coating (paint finish)			
VD 434 A				Standard paint finish			
Rated data:				Color, paint shade			
Rated power P _N :				RAL 7030			
250 kW				Type of explosion protection			
Thermal class / utilisation				none			
155(F) to 155(F)				Standards/specifications			
Service factor				IEC, DIN, ISO, VDE, EN			
1.00				Motor protection			
Rated speed n _N				PTC thermistor motor protection using 6 integrated temperature sensors for alarm and shutdown			
1488 1/min				Terminal box:			
Rated torque M _N				Type of terminal box			
1605 Nm				GT640			
Rated current I _N				Conductor cross section, max. (IEC)			
VD 434 A				185 mm²			
Starting / rated current I _A /I _N				Contact screw thread			
N/A				M12			
Breakdown/rated torque M _K /M _N				Cable diameter from ... to ...			
2.80				41,0 ... 56,5			
Starting / rated torque M _A /M _N				Cable entry			
N/A				2 x M72x2 + 2 x M20x1,5			
Efficiency class in acc. to 60034-30-1/NEMA				Special design:			
none							
Partial load P/P _N							
Efficiency η in % in acc. to IEC 60034-2-1							
95.0 %							
Power factor cos φ							
0.88							
0.87							
0.83							
0.75							
Mechanical data:							
Moment of inertia J _{mot}							
3.6 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							

* Standard: insulated bearing at NDE - VLO241