



 PRODUCT-DETAILS

3GGP112370-APK

Dust Ignition Proof IE3 LV Motors, 4 kW, 400 V (3GGP112370-APK)



General Information

Product ID	3GGP112370-APK
ABB Type Designation	M3GP 112MG 4
Catalog Description	Dust Ignition Proof IE3 LV Motors, 4 kW, 400 V (3GGP112370-APK)

Ordering

ABB Type Designation	M3GP 112MG 4
Invoice Description	M3GP 112MG 4
Product Name	3-Phase squirrel cage motor
Product Type	3GP3_M3GP_IE3_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI)
Customs Tariff Number	85015220
Medium Description	4kW, 4 Poles, Frame Size 112, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GGP112370-APK)
Short Description	4kW, 4P, Frame Size 112, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	T3	50 Hz	690 V	4.00 kW	1454 r/min	5.00 A	0.750	88.70 %	26.30 N·m	7.50
D	T3	50 Hz	400 V	4.00 kW	1454 r/min	8.70 A	0.750	88.60 %	26.30 N·m	7.50
Y	T3	50 Hz	660 V	4.00 kW	1446 r/min	5.20 A	0.770	88.60 %	26.36 N·m	6.80
D	T3	50 Hz	380 V	4.00 kW	1446 r/min	8.90 A	0.770	88.60 %	26.40 N·m	6.80
D	T3	50 Hz	415 V	4.00 kW	1457 r/min	8.60 A	0.730	88.90 %	26.16 N·m	7.90
D	T3	60 Hz	460 V	4.00 kW	1760 r/min	7.60 A	0.740	89.80 %	21.70 N·m	8.80

Connection Configuration	D
Temperature Class	T3
Default	
Input Voltage (U_{in})	400 V
Frequency (f)	50 Hz
Output Power	4 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 88.6 % Partial Load (75%) 89.1 % Partial Load (50%) 88.6 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 89.8 % Partial Load (75%) 89.7 % Partial Load (50%) 88.3 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	No
Type of Duty	S1
Voltage Code	P
EX-Protection	Exec
Gas Group	IIC

Mechanical

Frame Material	Cast Iron
Frame Size	112
Bearing	6206-2Z/C3
Bearing NDE	6206-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	442 mm
Product Net Height	258 mm
Product Net Width	239 mm
Product Net Weight	52 kg
Gross Weight	57 kg

Environmental

WEEE Category

5. Small Equipment (No External Dimension More Than 50 cm)

Classifications

UNSPSC

26101100

Categories

Motors and Generators → Motors and Generators for Explosive Atmospheres → Dust Ignition Proof Motors → Dust Ignition Proof IE3 LV Motors

