



 PRODUCT-DETAILS

3GGP402820-BEK

Dust Ignition Proof IE3 LV Motors, 630 kW, 500 V (3GGP402820-BEK)



General Information

Product ID	3GGP402820-BEK
ABB Type Designation	M3GP 400LKB 4
Catalog Description	Dust Ignition Proof IE3 LV Motors, 630 kW, 500 V (3GGP402820-BEK)

Ordering

ABB Type Designation	M3GP 400LKB 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	85015394
Medium Description	630kW, 4 Poles, Frame Size 400, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGP402820-BEK)
Short Description	630kW, 4P, Frame Size 400, 3PH, 500V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	T3	50 Hz	500 V	630.00 kW	1491 r/min	888.00 A	0.840	96.00 %	4034.00 N·m	7.90
D	T3	60 Hz	575 V	630.00 kW	1793 r/min	779.00 A	0.840	96.20 %	3356.00 N·m	7.90

Connection Configuration	D
Temperature Class Default	T3
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Output Power	630 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 96.0 % Partial Load (75%) 96.0 % Partial Load (50%) 95.2 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 96.2 % Partial Load (75%) 96.0 % Partial Load (50%) 95.3 %
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	E
EX-Protection	Exec
Gas Group	IIC

Mechanical

Frame Material	Cast Iron
Frame Size	400
Bearing	6324/C3
Bearing NDE	6319/C3
IM Class	IMB5 IM3001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1891 mm
Product Net Height	1065 mm
Product Net Width	840 mm
Product Net Weight	3300 kg
Gross Weight	3340 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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Classifications

UNSPSC

26101100

Categories

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

