



## PRODUCT-DETAILS

**3GGP102820-ASL****Dust Ignition Proof IE3 LV Motors, 3 kW, 400 V  
(3GGP102820-ASL)****General Information**

Product ID	3GGP102820-ASL
ABB Type Designation	M3GP 100LKB 4
Catalog Description	Dust Ignition Proof IE3 LV Motors, 3 kW, 400 V (3GGP102820-ASL)

**Ordering**

ABB Type Designation	M3GP 100LKB 4
Invoice Description	M3GP 100LKB 4
Product Name	3-Phase squirrel cage motor
Product Type	5GP3 M3GP 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
Replaced Product ID (OLD)	3GGP102420-ASL

Medium Description	3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GGP102820-ASL)
Short Description	3kW, 4P, Frame Size 100, 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	400 V	3.00 kW	1452 r/min	5.80 A	0.830	87.70 %	19.70 N-m	7.50
D	T3	50 Hz	230 V	3.00 kW	1452 r/min	10.10 A	0.830	87.70 %	19.70 N-m	7.50
Y	T3	50 Hz	415 V	3.00 kW	1456 r/min	5.60 A	0.820	87.70 %	19.70 N-m	8.00

Connection Configuration	Y
Temperature Class Default	T3
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	3 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 87.7 % Partial Load (75%) 88.8 % Partial Load (50%) 88.5 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 89.5 % Partial Load (75%) 89.6 % 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	S
EX-Protection	Exec
Gas Group	IIC

## Mechanical

Frame Material	Cast Iron
Frame Size	100
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	435 mm
Product Net Height	247 mm
Product Net Width	200 mm
Product Net Weight	49 kg
Gross Weight	54 kg

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## Environmental

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WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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## Classifications

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UNSPSC	26101100
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## Categories

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

