

PRODUCT-DETAILS

## 3GGP402810-BDK

Dust Ignition Proof IE3 LV Motors, 560 kW,  
400 V (3GGP402810-BDK)



### General Information

Product ID	3GGP402810-BDK
ABB Type Designation	M3GP 400LKA 4
Catalog Description	Dust Ignition Proof IE3 LV Motors, 560 kW, 400 V (3GGP402810-BDK)

### Additional Information

ABB Type Designation	M3GP 400LKA 4
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6324/C3
Bearing NDE	6319/C3
Connection Configuration	D
Country of Origin	Finland (FI)
Customs Tariff Number	85015394
Direction of Rotation	CW Clockwise
Electrical Data	

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	T3	50 Hz	690 V	560.00 kW	1491 r/min	569.00 A	0.850	96.00 %	3586.00 N-m	7.40
D	T3	50 Hz	400 V	560.00 kW	1491 r/min	982.00 A	0.850	96.00 %	3586.00 N-m	7.40
D	T3	50 Hz	415 V	560.00 kW	1492 r/min	966.00 A	0.830	96.00 %	3586.00 N-m	7.30
D	T3	60 Hz	460 V	560.00 kW	1792 r/min	863.00 A	0.840	96.20 %	2985.00 N-m	7.80

EX-Protection	Exec
Frame Material	Cast Iron
Frame Size	400
Frequency (f)	50 Hz
Gas Group	IIC
Gross Weight	3240 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 96.0 % Partial Load (75%) 95.9 % Partial Load (50%) 95.2 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 96.2 % Partial Load (75%) 96.1 % Partial Load (50%) 95.3 %
IM Class	IMB5 IM3001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
IP Class	IP55
Made To Order	No
Medium Description	560kW, 4 Poles, Frame Size 400, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGP402810-BDK)
Minimum Order Quantity	1 piece
Number of Poles (High)	4
Order Multiple	1 piece
Output Power	560 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	1891 mm
Product Net Height	1065 mm
Product Net Weight	3200 kg
Product Net Width	840 mm
Product Type	3GP3_M3GP_IE3_CI
Quote Only	No
Selling Unit of Measure	piece
Short Description	560kW, 4P, Frame Size 400, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
Temperature Class Default	T3
Terminator Box Location	Top
Two Speed Motor	No
Type of Duty	S1
UNSPSC	26101100
Voltage Code	D
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

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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

