

PRODUCT-DETAILS

## 3GGP454510-BDK

Dust Ignition Proof IE3 LV Motors, 450 kW,  
400 V (3GGP454510-BDK)



### General Information

Product ID	3GGP454510-BDK
ABB Type Designation	M3GP 450LA 8
Catalog Description	Dust Ignition Proof IE3 LV Motors, 450 kW, 400 V (3GGP454510-BDK)

### Additional Information

ABB Type Designation	M3GP 450LA 8
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6326/C3
Bearing NDE	6322/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	450.00 kW	744 r/min	472.00 A	0.830	94.60 %	5775.00 N-m	6.00
D	T3	50 Hz	400 V	450.00 kW	744 r/min	813.00 A	0.830	94.60 %	5775.00 N-m	6.00
D	T3	50 Hz	415 V	450.00 kW	744 r/min	799.00 A	0.810	94.60 %	5772.00 N-m	7.20
D	T3	60 Hz	460 V	450.00 kW	895 r/min	709.00 A	0.820	95.00 %	4803.00 N-m	6.90

EX-Protection	Exec
Frame Material	Cast Iron
Frame Size	450
Frequency (f)	50 Hz
Gas Group	IIC
Gross Weight	3790 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.6 % Partial Load (75%) 94.9 % Partial Load (50%) 94.3 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 95.0 % Partial Load (75%) 95.1 % Partial Load (50%) 94.6 %
IM Class	IMB5 IM3001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
IP Class	IP55
Made To Order	No
Medium Description	450kW, 8 Poles, Frame Size 450, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGP454510-BDK)
Minimum Order Quantity	1 piece
Number of Poles (High)	8
Order Multiple	1 piece
Output Power	450 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	2187 mm
Product Net Height	1231 mm
Product Net Weight	3750 kg
Product Net Width	966 mm
Product Type	3GP3_M3GP_IE3_CI
Quote Only	No
Selling Unit of Measure	piece
Short Description	450kW, 8P, Frame Size 450, 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

