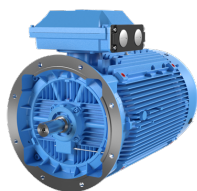


PRODUCT-DETAILS

# 3GGP314230-BDK

## Dust Ignition Proof IE3 LV Motors, 90 kW, 400 V (3GGP314230-BDK)



### General Information

Product ID	3GGP314230-BDK
ABB Type Designation	M3GP 315SMC 8
Catalog Description	Dust Ignition Proof IE3 LV Motors, 90 kW, 400 V (3GGP314230-BDK)

### Additional Information

ABB Type Designation	M3GP 315SMC 8
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6319/C3
Bearing NDE	6316/C3
Connection Configuration	D
Country of Origin	Finland (FI)
Customs Tariff Number	85015381
Direction of Rotation	Both sides

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	T3	50 Hz	690 V	90.00 kW	741 r/min	98.80 A	0.820	93.40 %	1159.00 N-m	7.40
D	T3	50 Hz	400 V	90.00 kW	741 r/min	170.00 A	0.820	93.40 %	1159.00 N-m	7.40
D	T3	50 Hz	415 V	90.00 kW	742 r/min	166.00 A	0.800	93.40 %	1159.00 N-m	7.90
D	T3	60 Hz	460 V	90.00 kW	890 r/min	149.00 A	0.810	94.10 %	964.00 N-m	8.30

EX-Protection	Exec
Frame Material	Cast Iron
Frame Size	315
Frequency (f)	50 Hz
Gas Group	IIC
Gross Weight	1020 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 93.4 % Partial Load (75%) 93.6 % Partial Load (50%) 92.8 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 94.1 % Partial Load (75%) 94.1 % Partial Load (50%) 93.1 %
IM Class	IMB5 IM3001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
IP Class	IP55
Made To Order	No
Medium Description	90kW, 8 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGP314230-BDK)
Minimum Order Quantity	1 piece
Number of Poles (High)	8
Order Multiple	1 piece
Output Power	90 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	1202 mm
Product Net Height	852 mm
Product Net Weight	1000 kg
Product Net Width	654 mm
Product Type	3GP3_M3GP_IE3_CI
Quote Only	No
Selling Unit of Measure	piece
Short Description	90kW, 8P, Frame Size 315, 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

