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PRODUCT-DETAILS

## 3GGP182410-BDK

Dust Ignition Proof IE3 LV Motors, 18.5 kW,  
400 V (3GGP182410-BDK)



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### General Information

Product ID	3GGP182410-BDK
ABB Type Designation	M3GP 180MLA 4
Catalog Description	Dust Ignition Proof IE3 LV Motors, 18.5 kW, 400 V (3GGP182410-BDK)

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### Additional Information

ABB Type Designation	M3GP 180MLA 4
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6310/C3
Bearing NDE	6209/C3
Connection Configuration	D
Country of Origin	Finland (FI) China (CN)
Customs Tariff Number	85015230
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	18.50 kW	1481 r/min	20.20 A	0.820	92.60 %	119.00 N-m	7.60
D	T3	50 Hz	400 V	18.50 kW	1481 r/min	34.90 A	0.820	92.60 %	119.00 N-m	7.60
Y	T3	50 Hz	660 V	18.50 kW	1478 r/min	21.10 A	0.830	92.80 %	119.00 N-m	6.90
D	T3	50 Hz	380 V	18.50 kW	1478 r/min	36.40 A	0.830	92.80 %	119.00 N-m	6.90
D	T3	50 Hz	415 V	18.50 kW	1482 r/min	34.00 A	0.810	92.60 %	119.00 N-m	8.20
D	T3	60 Hz	460 V	18.50 kW	1782 r/min	30.60 A	0.810	93.60 %	99.10 N-m	8.50

EX-Protection	Exec
Frame Material	Cast Iron
Frame Size	180
Frequency (f)	50 Hz
Gas Group	IIC
Gross Weight	245 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 92.6 % Partial Load (75%) 92.8 % Partial Load (50%) 92.0 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 93.6 % Partial Load (75%) 93.9 % Partial Load (50%) 93.2 %
IM Class	IMB5 IM3001
Input Voltage (U <sub>in</sub> )	400 V
Insulation Class	ICLF
Invoice Description	M3GP 180MLA 4
IP Class	IP55
Made To Order	No
Medium Description	18.5kW, 4 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGP182410-BDK)
Minimum Order Quantity	1 piece
Number of Poles (High)	4
Order Multiple	1 piece
Output Power	18.5 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	726 mm
Product Net Height	461 mm
Product Net Weight	235 kg
Product Net Width	381 mm
Product Type	3GP3_M3GP_IE3_CI
Quote Only	No
Selling Unit of Measure	piece
Short Description	18.5kW, 4P, Frame Size 180, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
Standards	IEC 60034-1
Stocked At (Warehouses)	Shanghai, China
Temperature Class Default	T3
Terminator Box Location	D-End 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

