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 PRODUCT-DETAILS

## 3GBP164410-ASK

### IE3 Premium Efficiency Cast Iron Motors, 4 kW, 400 V (3GBP164410-ASK)




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**General Information**

Product ID	3GBP164410-ASK
ABB Type Designation	M3BP 160MLA 8
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 4 kW, 400 V (3GBP164410-ASK)

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**Ordering**

ABB Type Designation	M3BP 160MLA 8
Invoice Description	M3BP 160MLA 8
Product Name	3-Phase squirrel cage motor
Product Type	3BP3_M3BP_IE3_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) China (CN)
Customs Tariff Number	85015220
Medium Description	4kW, 8 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure,

IMB3/IM1001 Mounting (3GBP164410-ASK)

Short Description 4kW, 8P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	4.00 kW	734 r/min	10.30 A	0.650	84.80 %	52.00 N-m	4.50
D	--	50 Hz	230 V	4.00 kW	734 r/min	17.80 A	0.650	84.80 %	52.00 N-m	4.50
Y	--	50 Hz	380 V	4.00 kW	731 r/min	10.30 A	0.690	84.80 %	52.20 N-m	4.20
D	--	50 Hz	220 V	4.00 kW	731 r/min	17.80 A	0.690	84.80 %	52.20 N-m	4.20
Y	--	50 Hz	415 V	4.00 kW	736 r/min	10.30 A	0.630	84.80 %	51.90 N-m	4.70
Y	--	60 Hz	460 V	4.00 kW	886 r/min	9.19 A	0.630	86.50 %	43.10 N-m	5.00

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	4 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 84.8 % Partial Load (75%) 84.7 % Partial Load (50%) 82.4 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 86.5 % Partial Load (75%) 86.1 % Partial Load (50%) 83.5 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	8
Two Speed Motor	No
Type of Duty	S1
Voltage Code	S

## Mechanical

Frame Material	Cast Iron
Frame Size	160
Bearing	6309/C3
Bearing NDE	6209/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	681 mm

Product Net Height	421 mm
Product Net Width	310 mm
Product Net Weight	130 kg
Gross Weight	140 kg

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### Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)

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### Classifications

UNSPSC	26101100
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### Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Cast Iron Motors

