

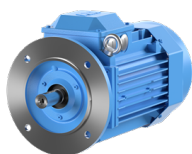



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 PRODUCT-DETAILS

## 3GBP103870-BDK

### IE3 Premium Efficiency Cast Iron Motors, 1.1 kW, 400 V (3GBP103870-BDK)




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**General Information**

Product ID	3GBP103870-BDK
ABB Type Designation	M3BP 100LKG 6
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 1.1 kW, 400 V (3GBP103870-BDK)

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**Ordering**

ABB Type Designation	M3BP 100LKG 6
Invoice Description	M3BP 100LKG 6
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
Replaced Product ID	3GBP103870-BPK

(OLD)

Medium Description	1.1kW, 6 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP103870-BDK)
Short Description	1.1kW, 6P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	1.10 kW	969 r/min	1.55 A	0.680	81.00 %	10.90 N-m	5.90
D	--	50 Hz	400 V	1.10 kW	969 r/min	2.60 A	0.680	81.00 %	10.90 N-m	5.90
Y	--	50 Hz	660 V	1.10 kW	965 r/min	1.58 A	0.700	81.00 %	10.90 N-m	5.50
D	--	50 Hz	380 V	1.10 kW	965 r/min	2.70 A	0.700	81.00 %	10.90 N-m	5.50
D	--	50 Hz	415 V	1.10 kW	971 r/min	2.60 A	0.660	81.00 %	10.90 N-m	6.20
D	--	60 Hz	460 V	1.10 kW	1171 r/min	2.30 A	0.660	87.50 %	9.00 N-m	4.60

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	1.1 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 81.0 % Partial Load (75%) 80.8 % Partial Load (50%) 78.1 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 87.5 % Partial Load (75%) 87.5 % Partial Load (50%) 85.8 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

## Mechanical

Frame Material	Cast Iron
Frame Size	100
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 carton
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Product Net Depth / Length	435 mm
Product Net Height	247 mm
Product Net Width	200 mm
Product Net Weight	47 kg
Gross Weight	52 kg

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## Environmental

WEEE Category	5. Small Equipment (No 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

