



 PRODUCT-DETAILS

3GBP104810-CFK

IE3 Premium Efficiency Cast Iron Motors, 0.75 kW, 500 V (3GBP104810-CFK)



General Information

Product ID	3GBP104810-CFK
ABB Type Designation	M3BP 100LKA 8
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 0.75 kW, 500 V (3GBP104810-CFK)

Ordering

ABB Type Designation	M3BP 100LKA 8
Invoice Description	M3BP 100LKA 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	85015100
Medium Description	0.75kW, 8 Poles, Frame Size 100, 3 Phases, 500V, 50Hz, IP55 Enclosure,

IMB14/IM3601 Mounting (3GBP104810-CFK)

Short Description 0.75kW, 8P, Frame Size 100, 3PH, 500V, 50Hz, IP55, IMB14/IM3601

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	500 V	0.75 kW	710 r/min	1.70 A	0.650	75.00 %	10.00 N·m	4.40
Y	--	60 Hz	575 V	0.75 kW	866 r/min	1.54 A	0.610	75.50 %	8.27 N·m	4.90

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Output Power	0.75 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 75.0 % Partial Load (75%) 74.5 % Partial Load (50%) 70.5 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 75.5 % Partial Load (75%) 73.9 % Partial Load (50%) 68.5 %
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	F

Mechanical

Frame Material	Cast Iron
Frame Size	100
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB14 IM3601
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	435 mm
Product Net Height	247 mm
Product Net Width	200 mm
Product Net Weight	37 kg
Gross Weight	42 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)

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

