



 PRODUCT-DETAILS

3GBP312210-AEG

IE2 High Efficiency Cast Iron Motors, 110 kW, 500 V (3GBP312210-AEG)



General Information

Product ID	3GBP312210-AEG
ABB Type Designation	M3BP 315SMA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 110 kW, 500 V (3GBP312210-AEG)

Ordering

ABB Type Designation	M3BP 315SMA 4
Invoice Description	M3BP 315SMA 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP2__M3BP_IE2_CI
Country or Territory of Origin	Finland China Poland
Customs Tariff Number	85015381
Medium Description	110kW, 4 Poles, Frame Size 315, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP312210-AEG)
Short Description	110kW, 4P, Frame Size 315, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	110.00 kW	1487 r/min	155.00 A	0.860	95.10 %	706.00 N·m	6.40

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Output Power	110 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 95.1 % Partial Load (75%) 95.1 % Partial Load (50%) 94.3 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	No
Type of Duty	S1
Voltage Code	E

Mechanical

Frame Material	Cast Iron
Frame Size	315
Bearing	6319/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	Top

Dimensions

Product Net Depth / Length	1202 mm
Product Net Height	852 mm
Product Net Width	654 mm
Product Net Weight	900 kg
Gross Weight	920 kg

Environmental

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

External Classifications and Standards

UNSPSC	26101100 39120000
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Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Cast Iron Motors

