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**PRODUCT-DETAILS**

## 3GBP312210-ADG

IE2 High Efficiency Cast Iron Motors, 110 kW,  
400 V (3GBP312210-ADG)



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**General Information**

<b>Product ID:</b>	3GBP312210-ADG
<b>ABB Type Designation:</b>	M3BP 315SMA 4
<b>Catalog Description:</b>	IE2 High Efficiency Cast Iron Motors, 110 kW, 400 V (3GBP312210-ADG)
<b>Display Name:</b>	3GBP312210-ADG

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**Ordering**

<b>ABB Type Designation:</b>	M3BP 315SMA 4
<b>Invoice Description:</b>	M3BP 315SMA 4
<b>Product Name:</b>	3-Phase squirrel cage motor
<b>Product Type:</b>	3BP2__M3BP_IE2_CI
<b>Country of Origin:</b>	Poland Finland China India
<b>Customs Tariff Number:</b>	85015381

<b>Stocked At (Warehouses):</b>	Alabama, United States Shanghai, China
<b>Medium Description:</b>	110kW, 4 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP312210-ADG)
<b>Short Description:</b>	110kW, 4P, Frame Size 315, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

## Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	110.00 kW	1487 r/min	112.00 A	0.860	94.50 %	706.00 N-m	7.20
D	--	50 Hz	400 V	110.00 kW	1487 r/min	194.00 A	0.860	94.50 %	706.00 N-m	7.20
D	--	50 Hz	415 V	110.00 kW	1488 r/min	189.00 A	0.850	94.50 %	706.00 N-m	7.60

<b>Connection Configuration:</b>	D
<b>Temperature Class Default:</b>	--
<b>Input Voltage (U<sub>in</sub>):</b>	400 V
<b>Frequency (f):</b>	50 Hz
<b>Output Power:</b>	110 kW
<b>Altitude:</b>	1000 m
<b>Ambient Temperature:</b>	40 °C
<b>IC Class:</b>	IC411
<b>IE Class Data (50 Hz):</b>	IE Class IE2 Full Load (100%) 94.5 % Partial Load (75%) 94.4 % Partial Load (50%) 93.4 %
<b>IP Class:</b>	IP55
<b>Insulation Class:</b>	ICLF
<b>Direction of Rotation:</b>	Both sides
<b>Number of Poles (High):</b>	4
<b>Two Speed Motor:</b>	No
<b>Type of Duty:</b>	S1
<b>Voltage Code:</b>	D

## Mechanical

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

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## Dimensions

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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

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## Environmental

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

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## External Classifications and Standards

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UNSPSC:	26101100
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## Categories

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

