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 PRODUCT-DETAILS

## 3GBP282220-ADG411

IE2 High Efficiency Cast Iron Motors, 90 kW,  
400 V (3GBP282220-ADG411)

For sale but "Obsolete", replaced by




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**General Information**

Product ID	3GBP282220-ADG411
ABB Type Designation	M3BPP 280SMB 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 90 kW, 400 V (3GBP282220-ADG411)

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**Ordering**

ABB Type Designation	M3BPP 280SMB 4
Invoice Description	M3BPP 280SMB 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP2_M3BP_IE2_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	85015290
Stocked At	Menden, Germany

## (Warehouses)

Medium Description	90kW, 4P, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP282220-ADG411)
Short Description	90kW, 4P, Frame Size 280, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

**Electrical**

## Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency
D	--	50 Hz	400 V	75.00 kW	1486 r/min	135.00 A	0.850	94.70 %

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	90 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 94.7 % Partial Load (75%) 94.5 % Partial Load (50%) 93.7 %
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	D

**Mechanical**

Frame Material	Cast Iron
Frame Size	280
Bearing	6316/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	Top

**Dimensions**

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1088 mm
Product Net Height	762 mm
Product Net Width	577 mm
Product Net Weight	665 kg
Gross Weight	685 kg

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### Environmental

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WEEE Category

4. Large Equipment (Any External Dimension More Than 50 cm)

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### Classifications

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UNSPSC

26101100

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### Categories

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

