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 PRODUCT-DETAILS

## 3GBP282410-ADM

### IE4 Super Premium Efficiency Cast Iron Motors, 90 kW, 400 V (3GBP282410-ADM)




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**General Information**

Product ID	3GBP282410-ADM
ABB Type Designation	M3BP 280MLA 4
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 90 kW, 400 V (3GBP282410-ADM)

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**Ordering**

ABB Type Designation	M3BP 280MLA 4
Invoice Description	M3BP 280MLA 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP4__M3BP_IE4_CI
Made To Order	No
Minimum Order Quantity	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) China (CN) India (IN) Poland (PL)
Customs Tariff Number	85015381

Stocked At  
(Warehouses)

Menden, Germany

Medium Description	90kW, 4 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP282410-ADM)
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	Torque	IS/IN
Y	--	50 Hz	690 V	90.00 kW	1489 r/min	92.00 A	0.850	96.10 %	577.00 N-m	8.80
D	--	50 Hz	400 V	90.00 kW	1489 r/min	160.00 A	0.850	96.10 %	577.00 N-m	8.80
D	--	50 Hz	415 V	90.00 kW	1489 r/min	156.00 A	0.830	96.10 %	578.00 N-m	9.40
D	--	60 Hz	460 V	90.00 kW	1790 r/min	136.00 A	0.840	96.20 %	481.00 N-m	9.80

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 IE4 Full Load (100%) 96.1 % Partial Load (75%) 96.1 % Partial Load (50%) 95.4 %
IE Class Data (60 Hz)	IE Class IE4 Full Load (100%) 96.2 % Partial Load (75%) 96.2 % Partial Load (50%) 95.5 %
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

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**Dimensions**

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Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1190 mm
Product Net Height	666 mm
Product Net Width	530 mm
Product Net Weight	840 kg
Gross Weight	860 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 (FI)

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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 → IE4 Super Premium Efficiency Cast Iron Motors

