

PRODUCT-DETAILS

# 3GBA283250-ADH

IE2 High Efficiency Cast Iron Motors, 55 kW,  
400 V (3GBA283250-ADH)



## General Information

Product ID	3GBA283250-ADH
ABB Type Designation	M2BAX 280SME 6
Catalog Description	IE2 High Efficiency Cast Iron Motors, 55 kW, 400 V (3GBA283250-ADH)

## Ordering

ABB Type Designation	M2BAX 280SME 6
Invoice Description	M2BAX 280SME 6
Product Name	3-Phase squirrel cage motor
Product Type	EBA2__M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	China (CN) India (IN) Poland (PL)
Customs Tariff Number	85015290
Replaced Product ID (OLD)	3GBA283120-ADL 3GBA283120-ADC
Stocked At	Menden, Germany

(Warehouses)

Medium Description	55kW, 6 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA283250-ADH)
Short Description	55kW, 6P, 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	55.00 kW	989 r/min	60.60 A	0.810	93.10 %	531.08 N-m	6.90
D	--	50 Hz	400 V	55.00 kW	989 r/min	105.00 A	0.810	93.10 %	531.02 N-m	6.90
Y	--	50 Hz	660 V	55.00 kW	988 r/min	62.10 A	0.830	93.10 %	531.34 N-m	6.30
D	--	50 Hz	380 V	55.00 kW	988 r/min	108.00 A	0.830	93.10 %	531.34 N-m	6.30
D	--	60 Hz	440 V	55.00 kW	1189 r/min	93.20 A	0.820	93.60 %	441.62 N-m	7.30
D	--	60 Hz	460 V	55.00 kW	1190 r/min	91.10 A	0.810	93.60 %	441.25 N-m	7.90

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	55 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 93.1 % Partial Load (75%) 93.2 % Partial Load (50%) 92.8 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 93.6 % Partial Load (75%) 93.8 % Partial Load (50%) 93.0 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
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	D-End top

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**Dimensions**

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Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	982 mm
Product Net Height	775 mm
Product Net Width	571 mm
Product Net Weight	523 kg
Gross Weight	543 kg

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**Environmental**

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WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 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 → General Performance Motors → IE2 High Efficiency Cast Iron Motors

