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 PRODUCT-DETAILS

## 3GBP502520-AEM

### IE4 Super Premium Efficiency Cast Iron Motors, 1200 kW, 500 V (3GBP502520-AEM)




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**General Information**

Product ID	3GBP502520-AEM
ABB Type Designation	M3BP 500LB 4
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 1200 kW, 500 V (3GBP502520-AEM)

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**Ordering**

ABB Type Designation	M3BP 500LB 4
Invoice Description	M3BP 500LB 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP4__M3BP_IE4_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI)
Customs Tariff Number	85015399
Medium Description	1200kW, 4P, Frame Size 500, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP502520-AEM)
Short Description	1200kW, 4P, Frame Size 500, 3PH, 500V, 50Hz, IP81, IMB3/IM1001

**Electrical**

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	1200.00 kW	1495 r/min	1710.00 A	0.830	97.60 %	7665.00 N·m	8.00
D	--	60 Hz	575 V	1200.00 kW	1795 r/min	1470.00 A	0.840	97.60 %	6384.00 N·m	8.70

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	500 V
Frequency (f)	50 Hz
Output Power	1200 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class NA Full Load (100%) 97.6 % Partial Load (75%) 97.4 % Partial Load (50%) 96.9 %
IE Class Data (60 Hz)	IE Class NA Full Load (100%) 97.6 % Partial Load (75%) 97.2 % Partial Load (50%) 96.3 %
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	500
Bearing	6330M/C3
Bearing NDE	6326M/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

**Dimensions**

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	2426 mm
Product Net Height	1333 mm
Product Net Width	900 mm
Product Net Weight	6300 kg
Gross Weight	0 kg

**Environmental**

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 → IE4 Super Premium Efficiency Cast Iron Motors

