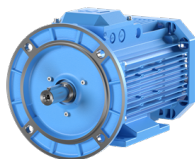




## PRODUCT-DETAILS

**3GAA251220-HDKAL03**

IE3 Premium Efficiency Aluminum Motors, 75 kW, 400 V (3GAA251220-HDKAL03)

**General Information**

Product ID	3GAA251220-HDKAL03
ABB Type Designation	M3AA 250SMB 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 75 kW, 400 V (3GAA251220-HDKAL03)

**Ordering**

ABB Type Designation	M3AA 250SMB 2
Invoice Description	M3AA 250SMB 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA3_M3AA_IE3_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) Poland (PL)
Customs Tariff Number	85015290
Stocked At	Menden, Germany

(Warehouses)

Medium Description	75kW, 2 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA251220-HDKAL03)
Short Description	75kW, 2P, Frame Size 250, 3PH, 400V, 50Hz, IP55, IMB35/IM2001

### Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	400 V	75.00 kW	2976 r/min	133.00 A	0.850	95.60 %	240.00 N-m	8.70
D	--	60 Hz	460 V	75.00 kW	3579 r/min	118.00 A	0.840	95.00 %	200.00 N-m	9.80
D	--	50 Hz	415 V	75.00 kW	2978 r/min	132.00 A	0.820	95.60 %	240.53 N-m	9.10
Y	--	50 Hz	690 V	75.00 kW	2976 r/min	77.00 A	0.850	95.60 %	240.00 N-m	8.70
D	--	60 Hz	440 V	75.00 kW	3576 r/min	120.00 A	0.860	95.00 %	200.00 N-m	9.10

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	75 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 95.6 % Partial Load (75%) 95.4 % Partial Load (50%) 94.4 %
IE Class Data (60 Hz)	IE Class IE4 Full Load (100%) 95.0 % Partial Load (75%) 94.4 % Partial Load (50%) 92.7 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	2
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

### Mechanical

Frame Material	Aluminum
Frame Size	250
Bearing	7315 BEP
Bearing NDE	6213/C3
IM Class	IMB35 IM2001
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	884 mm
Product Net Height	601 mm
Product Net Width	473 mm
Product Net Weight	414 kg
Gross Weight	424 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 → IE3 Premium Efficiency Aluminum Motors

