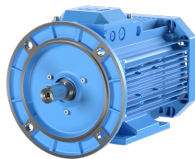


PRODUCT-DETAILS

3GAA102540-HDJ

IE3 Premium Efficiency Aluminum Motors, 3 kW,  
400 V (3GAA102540-HDJ)



General Information

Product ID	3GAA102540-HDJ
ABB Type Designation	M3AA 100LD 4
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 3 kW, 400 V (3GAA102540-HDJ)

Ordering

ABB Type Designation	M3AA 100LD 4
Invoice Description	M3AA 100LD 4
Product Name	3-Phase squirrel cage motor
Product Type	3AA0__M3AA_AA
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	85015220
Medium Description	3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA102540-HDJ)
Short Description	3kW, 4P, Frame Size 100, 3PH, 400V, 50Hz, IP55, IMB35/IM2001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	3.00 kW	1445 r/min	3.40 A	0.830	87.90 %	19.80 N·m	7.70
D	--	50 Hz	400 V	3.00 kW	1445 r/min	5.90 A	0.830	87.90 %	19.80 N·m	7.70
D	--	50 Hz	415 V	3.00 kW	1448 r/min	5.80 A	0.820	87.90 %	19.80 N·m	8.10

Connection Configuration	D
Temperature Class	--
Default	
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	3 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 87.9 % Partial Load (75%) 88.1 % Partial Load (50%) 87.1 %
IP Class	IP55
Insulation Class	ICLF
Number of Poles (High)	4
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

Mechanical

Frame Material	Aluminum
Frame Size	100
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB35 IM2001

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	432 mm
Product Net Height	237 mm
Product Net Width	200 mm
Product Net Weight	32 kg
Gross Weight	37 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)

Classifications

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

