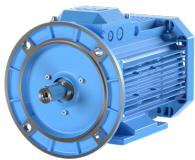


PRODUCT-DETAILS

# 3GAA102540-HSE

## IE2 High Efficiency Aluminum Motors, 3 kW, 400 V (3GAA102540-HSE)



General Information	
Product ID	3GAA102540-HSE
ABB Type Designation	M3AA 100LD 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 3 kW, 400 V (3GAA102540-HSE)

Ordering	
ABB Type Designation	M3AA 100LD 4
Invoice Description	M3AA 100LD 4
Product Name	3-Phase squirrel cage motor
Product Type	3AA2_M3AA_IE2_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Poland (PL) Finland (FI) China (CN) Romania (RO)
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GAA102314-HSE

Stocked At (Warehouses)	Menden, Germany Shanghai, China
Medium Description	3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA102540-HSE)
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	400 V	3.00 kW	1445 r/min	6.30 A	0.790	85.70 %	19.80 N·m	7.00
D	--	50 Hz	230 V	3.00 kW	1445 r/min	11.00 A	0.790	85.70 %	19.80 N·m	7.00
Y	--	60 Hz	460 V	3.00 kW	1750 r/min	5.30 A	0.800	88.20 %	16.30 N·m	8.20

Connection Configuration	Y
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 IE2 Full Load (100%) 85.7 % Partial Load (75%) 86.1 % Partial Load (50%) 85.1 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 88.2 % Partial Load (75%) 87.5 % Partial Load (50%) 85.6 %
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	S

Mechanical

Frame Material	Aluminum
Frame Size	100
Bearing	6306-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB35 IM2001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
-----------------------	----------

Product Net Depth / Length	373 mm
Product Net Height	237 mm
Product Net Width	200 mm
Product Net Weight	28 kg
Gross Weight	33 kg

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

<b>Classifications</b>	
UNSPSC	26101100

<b>Categories</b>	
Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE2 High Efficiency Aluminum Motors	
Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors	

