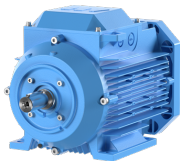


PRODUCT-DETAILS

# 3GAA131270-ASE

## IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA131270-ASE)



General Information	
Product ID	3GAA131270-ASE
ABB Type Designation	M3AA 132SMG 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA131270-ASE)

Ordering	
ABB Type Designation	M3AA 132SMG 2
Invoice Description	M3AA 132SMG 2
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	Finland (FI) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA131316-ASE
Stocked At (Warehouses)	Menden, Germany

Medium Description	15kW, 2 Poles, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA131270-ASE)
Short Description	15kW, 2P, Frame Size 132, 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	400 V	15.00 kW	2905 r/min	28.50 A	0.840	90.40 %	49.30 N·m	9.10
D	--	50 Hz	230 V	15.00 kW	2905 r/min	46.90 A	0.840	90.40 %	49.30 N·m	9.10
Y	--	60 Hz	460 V	15.00 kW	3510 r/min	23.60 A	0.890	90.70 %	40.70 N·m	9.50

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	15 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 90.4 % Partial Load (75%) 90.8 % Partial Load (50%) 90.0 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 90.7 % Partial Load (75%) 90.4 % Partial Load (50%) 88.8 %
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	S

Mechanical

Frame Material	Aluminum
Frame Size	132
Bearing	6308-2Z/C3
Bearing NDE	6206-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	487 mm

Product Net Height	296 mm
Product Net Width	262 mm
Product Net Weight	81 kg
Gross Weight	86 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

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Aluminum Motors

