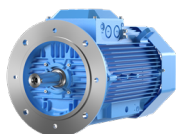




PRODUCT-DETAILS

3GAA162420-BDK

IE3 Premium Efficiency Aluminum Motors, 15 kW, 400 V (3GAA162420-BDK)



General Information

Product ID:	3GAA162420-BDK
ABB Type Designation:	M3AA 160MLB 4
Catalog Description:	IE3 Premium Efficiency Aluminum Motors, 15 kW, 400 V (3GAA162420-BDK)
Display Name:	3GAA162420-BDK

Ordering

ABB Type Designation:	M3AA 160MLB 4
Invoice Description:	M3AA 160MLB 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3AA3__M3AA_IE3_AA
Country or Territory of Origin:	Poland Finland China
Customs Tariff Number:	85015230
Replaced Product ID (OLD):	3GAA162052-BDK

Stocked At (Warehouses):	Menden, Germany Sant Quirze del Vallés - BCN, Spain
Medium Description:	15kW, 4 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA162420-BDK)
Short Description:	15kW, 4P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	15.00 kW	1474 r/min	16.80 A	0.810	92.10 %	97.20 N·m	7.80
D	--	50 Hz	400 V	15.00 kW	1474 r/min	29.00 A	0.810	92.10 %	97.20 N·m	7.80
Y	--	50 Hz	660 V	15.00 kW	1470 r/min	17.30 A	0.820	92.10 %	97.40 N·m	7.10
D	--	50 Hz	380 V	15.00 kW	1470 r/min	30.10 A	0.820	92.10 %	97.40 N·m	7.10
D	--	50 Hz	415 V	15.00 kW	1476 r/min	28.60 A	0.790	92.10 %	97.00 N·m	8.40
D	--	60 Hz	460 V	15.00 kW	1777 r/min	25.70 A	0.790	93.00 %	80.60 N·m	8.90

Connection Configuration:	D
Temperature Class Default:	--
Input Voltage (U_{in}):	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 IE3 Full Load (100%) 92.1 % Partial Load (75%) 92.0 % Partial Load (50%) 90.9 %
IE Class Data (60 Hz):	IE Class IE3 Full Load (100%) 93.0 % Partial Load (75%) 92.6 % Partial Load (50%) 91.2 %
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:	D

Mechanical

Frame Material:	Aluminum
Frame Size:	160

Bearing:	6309-2Z/C3
Bearing NDE:	6209-2Z/C3
IM Class:	IMB5 IM3001
Terminator Box Location:	D-End top

Dimensions

Product Net Depth / Length:	681 mm
Product Net Height:	370 mm
Product Net Width:	310 mm
Product Net Weight:	140 kg
Gross Weight:	150 kg

Environmental

WEEE Category:	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP:	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland

External Classifications and Standards

UNSPSC:	26101100
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Categories

Products > Motors and Generators > IEC Low Voltage AC Motors > Process Performance Motors > IE3 Premium Efficiency Aluminum Motors

