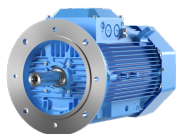




PRODUCT-DETAILS

3GAA183410-BDG

IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA183410-BDG)



General Information

Product ID	3GAA183410-BDG
ABB Type Designation	M3AA 180MLA 6
Catalog Description	IE2 High Efficiency Aluminum Motors, 15 kW, 400 V (3GAA183410-BDG)

Ordering

ABB Type Designation	M3AA 180MLA 6
Invoice Description	M3AA 180MLA 6
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) China (CN) Poland (PL)
Customs Tariff Number	85015230
Replaced Product ID (OLD)	3GAA183061-BDA 3GAA183033-BDG
Stocked At (Warehouses)	Menden, Germany
Medium Description	15kW, 6 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA183410-BDG)

Short Description15kW, 6P, Frame Size 180, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	15.00 kW	977 r/min	18.00 A	0.770	90.50 %	146.00 N·m	5.80
D	--	50 Hz	400 V	15.00 kW	977 r/min	31.00 A	0.770	90.50 %	146.00 N·m	5.80
D	--	50 Hz	415 V	15.00 kW	979 r/min	30.60 A	0.750	90.70 %	146.00 N·m	6.10
D	--	60 Hz	440 V	15.00 kW	1178 r/min	27.60 A	0.780	91.40 %	121.00 N·m	6.10
D	--	60 Hz	460 V	15.00 kW	1181 r/min	27.40 A	0.750	91.60 %	121.00 N·m	6.50

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 IE2 Full Load (100%) 90.5 % Partial Load (75%) 91.5 % Partial Load (50%) 91.0 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 91.4 % Partial Load (75%) 91.9 % Partial Load (50%) 91.4 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

Mechanical

Frame Material	Aluminum
Frame Size	180
Bearing	6310-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	726 mm
Product Net Height	405 mm
Product Net Width	354 mm
Product Net Weight	148 kg

Gross Weight	158 kg
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Environmental

WEEE Category	4. Large Equipment (Any 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

