

PRODUCT-DETAILS

3GAA163410-BDK

IE3 Premium Efficiency Aluminum Motor, 7.5 kW, 400 V (3GAA163410-BDK)



General Information

Product ID	3GAA163410-BDK
ABB Type Designation	M3AA 160MLA 6
Catalog Description	IE3 Premium Efficiency Aluminum Motor, 7.5 kW, 400 V (3GAA163410-BDK)

Additional Information

ABB Type Designation	M3AA 160MLA 6
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6309-2Z/C3
Bearing NDE	6209-2Z/C3
Connection Configuration	D
Country of Origin	Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015220
Direction of Rotation	Both sides

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	7.50 kW	980 r/min	8.81 A	0.780	89.10 %	73.00 N·m	7.90
D	--	50 Hz	400 V	7.50 kW	980 r/min	15.20 A	0.780	89.10 %	73.00 N·m	7.90
Y	--	50 Hz	660 V	7.50 kW	977 r/min	9.10 A	0.800	89.10 %	73.00 N·m	7.20
D	--	50 Hz	380 V	7.50 kW	977 r/min	15.70 A	0.800	89.10 %	73.00 N·m	7.20
D	--	50 Hz	415 V	7.50 kW	981 r/min	14.80 A	0.770	89.10 %	73.00 N·m	8.40
D	--	60 Hz	460 V	7.50 kW	1182 r/min	13.50 A	0.760	91.40 %	60.50 N·m	8.60

Frame Material	Aluminum
Frame Size	160
Frequency (f)	50 Hz
Gross Weight	135 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 89.1 % Partial Load (75%) 89.7 % Partial Load (50%) 88.8 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 91.4 % Partial Load (75%) 91.5 % Partial Load (50%) 90.3 %
IM Class	IMB5 IM3001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3AA 160MLA 6
IP Class	IP55
Made To Order	No
Medium Description	7.5kW, 6 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GAA163410-BDK)
Minimum Order Quantity	1 piece
Number of Poles (High)	6
Order Multiple	1 piece
Output Power	7.5 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	681 mm
Product Net Height	370 mm
Product Net Weight	125 kg
Product Net Width	310 mm
Product Type	3AA3_M3AA_IE3_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA163051-BDK
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	7.5kW, 6P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
Stocked At (Warehouses)	Menden, Germany
Temperature Class Default	--
Terminator Box Location	D-End top
Two Speed Motor	No
Type of Duty	S1
UNSPSC	26101100
Voltage Code	D
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

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

