

PRODUCT-DETAILS

3GAA201999-HDG

IE2 High Efficiency Aluminum Motors, 45 kW, 400 V (3GAA201999-HDG)



General Information	
Product ID	3GAA201999-HDG
ABB Type Designation	M3AA 200MLC 2
Catalog Description	IE2 High Efficiency Aluminum Motors, 45 kW, 400 V (3GAA201999-HDG)

Ordering	
ABB Type Designation	M3AA 200MLC 2
Invoice Description	M3AA 200MLC 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA2__M3AA_IE2_AA
Made To Order	No
Minimum Order Quantity	1 piece
Selling Unit of Measure	piece
Country of Origin	Sweden (SE) Poland (PL)
Customs Tariff Number	85015290
Stocked At (Warehouses)	Menden, Germany
Medium Description	45kW, 2 Poles, Frame Size 200, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GAA201999-HDG)
Short Description	45kW, 2P, Frame Size 200, 3PH, 400V, 50Hz, IP55, IMB35/IM2001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	tE	IS/IN
D	--	50 Hz	400 V	45.00 kW	2949 r/min	77.00 A	0.900	0.00 %	0.00 N·m	0	0.00
Y	--	50 Hz	690 V	45.00 kW	2949 r/min	45.00 A	0.900	0.00 %	0.00 N·m	0	0.00
Y	--	50 Hz	660 V	45.00 kW	2942 r/min	47.00 A	0.900	0.00 %	0.00 N·m	0	0.00
D	--	50 Hz	380 V	45.00 kW	2942 r/min	81.00 A	0.900	0.00 %	0.00 N·m	0	0.00
D	--	50 Hz	415 V	45.00 kW	2953 r/min	75.00 A	0.890	0.00 %	0.00 N·m	0	0.00
D	--	60 Hz	440 V	52.00 kW	3538 r/min	80.00 A	0.910	0.00 %	0.00 N·m	0	0.00

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	45 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
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	D

Mechanical

Frame Material	Aluminum
Frame Size	200
Bearing	7312BEP
Bearing NDE	6210-2Z/C3
IM Class	IMB35 IM2001

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	821 mm
Product Net Height	500 mm
Product Net Width	386 mm
Product Net Weight	235 kg
Gross Weight	245 kg

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

Classifications	
Standards	IEC 60034-1
UNSPSC	26101100

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

