



PRODUCT-DETAILS

3GAA181932-HDG
(3GAA181932-HDG)



General Information	
Product ID	3GAA181932-HDG
ABB Type Designation	M3AA 180MLA 2
Catalog Description	(3GAA181932-HDG)

Ordering	
ABB Type Designation	M3AA 180MLA 2
Invoice Description	LKM
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	85015230
Replaced Product ID (OLD)	3GAA181932-HDC
Stocked At (Warehouses)	Menden, Germany

Electrical

Electrical Data											
Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	tE	IS/IN
D	--	50 Hz	380-420 V	22.00 kW	2952 r/min	40.60 A	0.880	0.00 %	0.00 N·m	0	0.00
Y	--	50 Hz	660-690 V	22.00 kW	2952 r/min	23.40 A	0.880	0.00 %	0.00 N·m	0	0.00
D	--	60 Hz	440-480 V	27.00 kW	3545 r/min	42.90 A	0.880	0.00 %	0.00 N·m	0	0.00
Temperature Class Default											--
Altitude											1000 m
Ambient Temperature											40 °C
IC Class											IC411
IE Class Data (50 Hz)											IE Class IE2 Full Load (100%) 91.8 % Partial Load (75%) 92.5 % Partial Load (50%) 91.8 %
IE Class Data (60 Hz)											IE Class IE2 Full Load (100%) 91.8 % Partial Load (75%) 92.5 % Partial Load (50%) 91.6 %
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	180
Bearing	6310-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB35 IM2001

Dimensions

Package Level 1 Units	0 pallet (lift)
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 (FI)

Classifications

Standards	IEC 60034-1
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Categories

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

