



PRODUCT-DETAILS

# 3GAA181430-ADK037

## (3GAA181430-ADK037)



General Information	
Product ID	3GAA181430-ADK037
ABB Type Designation	M3AA 180MLC 2
Catalog Description	(3GAA181430-ADK037)

Ordering	
ABB Type Designation	M3AA 180MLC 2
Invoice Description	M3AA 180MLC 2
Product Name	3-Phase squirrel cage motor
Product Type	3AA3 _M3AA_IE3_AA
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Poland (PL)
Customs Tariff Number	85015230
Stocked At (Warehouses)	Menden, Germany

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	37.00 kW	2950 r/min	38.10 A	0.860	93.70 %	119.50 N·m	8.50
D	--	50 Hz	400 V	37.00 kW	2950 r/min	66.00 A	0.860	93.70 %	119.50 N·m	8.50
Y	--	50 Hz	660 V	37.00 kW	2945 r/min	39.30 A	0.880	93.70 %	119.73 N·m	7.70
D	--	50 Hz	380 V	37.00 kW	2945 r/min	68.10 A	0.880	93.70 %	119.73 N·m	7.70
D	--	50 Hz	415 V	37.00 kW	2954 r/min	65.10 A	0.840	93.70 %	119.50 N·m	8.90
D	--	60 Hz	460 V	37.00 kW	3564 r/min	57.00 A	0.860	93.00 %	99.12 N·m	9.70
Temperature Class Default										--
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE3 Full Load (100%) 93.7 % Partial Load (75%) 94.1 % Partial Load (50%) 93.9 %
IE Class Data (60 Hz)										IE Class IE3 Full Load (100%) 93.0 % Partial Load (75%) 93.2 % Partial Load (50%) 92.7 %
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	NU310EC/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Weight	176 kg
Gross Weight	186 kg

Environmental

WEEE Category4. Large Equipment (Any External Dimension More Than 50 cm)

Classifications

UNSPSC26101100

Categories

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

