



PRODUCT-DETAILS

3GAA182430-ADG

IE2 High Efficiency Aluminum Motors, 30 kW, 400 V (3GAA182430-ADG)



General Information

Product ID	3GAA182430-ADG
ABB Type Designation	M3AA 180MLC 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 30 kW, 400 V (3GAA182430-ADG)

Ordering

ABB Type Designation	M3AA 180MLC 4
Invoice Description	M3AA 180MLC 4
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)	3GAA182033-ADG
Stocked At (Warehouses)	Menden, Germany
Medium Description	30kW, 4 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA182430-ADG)

Short Description30kW, 4P, Frame Size 180, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	30.00 kW	1474 r/min	32.80 A	0.830	92.30 %	194.00 N·m	7.30
D	--	50 Hz	400 V	30.00 kW	1474 r/min	56.50 A	0.830	92.30 %	194.00 N·m	7.30
D	--	50 Hz	415 V	30.00 kW	1477 r/min	55.70 A	0.810	92.50 %	194.00 N·m	7.70
D	--	60 Hz	440 V	30.00 kW	1776 r/min	50.30 A	0.840	92.90 %	161.00 N·m	7.70
D	--	60 Hz	460 V	30.00 kW	1777 r/min	48.60 A	0.830	93.20 %	161.00 N·m	8.30

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	30 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 92.3 % Partial Load (75%) 93.5 % Partial Load (50%) 93.5 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 92.9 % Partial Load (75%) 93.6 % Partial Load (50%) 93.2 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
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	IMB3 IM1001
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	177 kg

Gross Weight 187 kg

Environmental

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

Classifications

UNSPSC 26101100

Categories

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

