

PRODUCT-DETAILS

3GAA182430-ADK

IE3 Premium Efficiency Aluminum Motor, 28 kW, 400 V (3GAA182430-ADK)



General Information

Product ID	3GAA182430-ADK
ABB Type Designation	M3AA 180MLC 4
Catalog Description	IE3 Premium Efficiency Aluminum Motor, 28 kW, 400 V (3GAA182430-ADK)

Additional Information

ABB Type Designation	M3AA 180MLC 4
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6310-2Z/C3
Bearing NDE	6209-2Z/C3
Connection Configuration	D
Country of Origin	Finland (FI) China (CN) Poland (PL)
Customs Tariff Number	85015230
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	28.00 kW	1482 r/min	32.50 A	0.770	93.40 %	180.37 N-m	8.20
D	--	50 Hz	400 V	28.00 kW	1482 r/min	56.50 A	0.770	93.40 %	180.36 N-m	8.20
Y	--	50 Hz	660 V	28.00 kW	1481 r/min	32.00 A	0.820	93.40 %	180.60 N-m	7.90
D	--	50 Hz	380 V	28.00 kW	1480 r/min	55.40 A	0.820	93.40 %	180.62 N-m	7.90
D	--	50 Hz	415 V	28.00 kW	1484 r/min	58.80 A	0.710	93.40 %	180.22 N-m	8.20
D	--	60 Hz	460 V	28.00 kW	1786 r/min	48.30 A	0.770	94.10 %	149.75 N-m	9.60

Frame Material	Aluminum
Frame Size	180
Frequency (f)	50 Hz
Gross Weight	186 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 93.4 % Partial Load (75%) 93.0 % Partial Load (50%) 91.7 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 94.1 % Partial Load (75%) 93.7 % Partial Load (50%) 92.4 %
IM Class	IMB3 IM1001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3AA 180MLC 4
IP Class	IP55
Made To Order	No
Medium Description	28kW, 4 Poles, Frame Size 180, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA182430-ADK)
Minimum Order Quantity	1 piece
Number of Poles (High)	4
Order Multiple	1 piece
Output Power	28 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	726 mm
Product Net Height	405 mm
Product Net Weight	176 kg
Product Net Width	341 mm
Product Type	3AA3_M3AA_IE3_AA
Quote Only	No
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	28kW, 4P, Frame Size 180, 3PH, 400V, 50Hz, IP55, IMB3/IM1001
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

