

PRODUCT-DETAILS

# 3GAA281210-ASK

## IE3 Premium Efficiency Aluminum Motors, 75 kW, 400 V (3GAA281210-ASK)



General Information	
Product ID	3GAA281210-ASK
ABB Type Designation	M3AA 280SMA 2
Catalog Description	IE3 Premium Efficiency Aluminum Motors, 75 kW, 400 V (3GAA281210-ASK)

Ordering	
ABB Type Designation	M3AA 280SMA 2
Invoice Description	M3AA 280SMA 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	Finland (FI) Poland (PL)
Customs Tariff Number	85015290
Replaced Product ID (OLD)	3GAA281051-ASK
Medium Description	75kW, 2 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA281210-ASK)

Short Description

75kW, 2P, Frame Size 280, 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	400 V	75.00 kW	2971 r/min	127.00 A	0.900	94.70 %	241.06 N·m	7.90
D	--	50 Hz	230 V	75.00 kW	2971 r/min	220.00 A	0.900	94.70 %	241.06 N·m	7.90
Y	--	50 Hz	415 V	75.00 kW	2973 r/min	122.00 A	0.900	94.70 %	240.90 N·m	8.60

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	75 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.7 % Partial Load (75%) 95.0 % Partial Load (50%) 94.6 %
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	S

Mechanical

Frame Material	Aluminum
Frame Size	280
Bearing	6315/C3
Bearing NDE	6213/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	884 mm
Product Net Height	657 mm
Product Net Width	522 mm
Product Net Weight	412 kg
Gross Weight	432 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
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**Categories**

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

