

PRODUCT-DETAILS

3GAA283220-ADL

IE3 Premium Efficiency Aluminum Motor, 55 kW, 400 V (3GAA283220-ADL)

**General Information**

Product ID	3GAA283220-ADL
ABB Type Designation	M3AA 280SMB 6
Catalog Description	IE3 Premium Efficiency Aluminum Motor, 55 kW, 400 V (3GAA283220-ADL)

Additional Information

ABB Type Designation	M3AA 280SMB 6
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6316/C3
Bearing NDE	6213/C3
Connection Configuration	D
Country of Origin	Finland (FI) Poland (PL)
Customs Tariff Number	85015290
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	55.00 kW	989 r/min	61.10 A	0.800	94.10 %	531.05 N-m	7.10
D	--	50 Hz	400 V	55.00 kW	989 r/min	105.00 A	0.800	94.10 %	531.05 N-m	7.10
D	--	50 Hz	415 V	55.00 kW	990 r/min	105.00 A	0.770	94.10 %	530.52 N-m	7.40

Frame Material	Aluminum
Frame Size	280
Frequency (f)	50 Hz
Gross Weight	420 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.1 % Partial Load (75%) 94.5 % Partial Load (50%) 94.1 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 94.5 % Partial Load (75%) 94.7 % Partial Load (50%) 94.0 %
IM Class	IMB3 IM1001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3AA 280SMB 6
IP Class	IP55
Made To Order	No
Medium Description	55kW, 6 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA283220-ADL)
Minimum Order Quantity	1 piece
Number of Poles (High)	6
Order Multiple	1 piece
Output Power	55 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	884 mm
Product Net Height	631 mm
Product Net Weight	400 kg
Product Net Width	522 mm
Product Type	5AA3__M3AA_IE3_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA283052-ADL 3GAA283220-ADK
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	55kW, 6P, Frame Size 280, 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

