

PRODUCT-DETAILS

3GAA282210-ADG

IE2 High Efficiency Aluminum Motors, 75 kW,
400 V (3GAA282210-ADG)



General Information

Product ID	3GAA282210-ADG
ABB Type Designation	M3AA 280SMA 4
Catalog Description	IE2 High Efficiency Aluminum Motors, 75 kW, 400 V (3GAA282210-ADG)

Additional Information

ABB Type Designation	M3AA 280SMA 4
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	75.00 kW	1478 r/min	78.30 A	0.850	94.30 %	484.00 N-m	7.10
D	--	50 Hz	400 V	75.00 kW	1478 r/min	135.00 A	0.850	94.30 %	484.00 N-m	7.10
D	--	50 Hz	415 V	75.00 kW	1480 r/min	133.00 A	0.830	94.40 %	484.00 N-m	7.40
D	--	60 Hz	440 V	75.00 kW	1779 r/min	120.00 A	0.860	94.50 %	402.00 N-m	7.60
D	--	60 Hz	460 V	75.00 kW	1782 r/min	116.00 A	0.850	94.70 %	401.00 N-m	8.20
Y	--	50 Hz	690 V	70.00 kW	1479 r/min	75.10 A	0.840	94.30 %	451.29 N-m	7.50
Y	--	50 Hz	690 V	70.00 kW	1479 r/min	75.10 A	0.840	94.30 %	451.29 N-m	7.50
Y	--	50 Hz	690 V	70.00 kW	1479 r/min	75.10 A	0.840	94.30 %	451.29 N-m	7.50
Y	--	50 Hz	690 V	70.00 kW	1479 r/min	75.10 A	0.840	94.30 %	451.29 N-m	7.50
Y	--	50 Hz	690 V	70.00 kW	1479 r/min	75.10 A	0.840	94.30 %	451.29 N-m	7.50
D	--	50 Hz	400 V	70.00 kW	1479 r/min	130.00 A	0.840	94.30 %	451.29 N-m	7.50
D	--	50 Hz	400 V	70.00 kW	1479 r/min	130.00 A	0.840	94.30 %	451.29 N-m	7.50
D	--	50 Hz	400 V	70.00 kW	1479 r/min	130.00 A	0.840	94.30 %	451.29 N-m	7.50
D	--	50 Hz	400 V	70.00 kW	1479 r/min	130.00 A	0.840	94.30 %	451.29 N-m	7.50
D	--	50 Hz	400 V	70.00 kW	1479 r/min	130.00 A	0.840	94.30 %	451.29 N-m	7.50
D	--	50 Hz	415 V	70.00 kW	1481 r/min	128.00 A	0.820	94.40 %	450.87 N-m	7.90
D	--	50 Hz	415 V	70.00 kW	1481 r/min	128.00 A	0.820	94.40 %	450.87 N-m	7.90
D	--	50 Hz	415 V	70.00 kW	1481 r/min	128.00 A	0.820	94.40 %	450.87 N-m	7.90
D	--	50 Hz	415 V	70.00 kW	1481 r/min	128.00 A	0.820	94.40 %	450.87 N-m	7.90
D	--	50 Hz	415 V	70.00 kW	1481 r/min	128.00 A	0.820	94.40 %	450.87 N-m	7.90
D	--	60 Hz	440 V	70.00 kW	1779 r/min	115.00 A	0.860	94.30 %	375.23 N-m	8.20
D	--	60 Hz	440 V	70.00 kW	1779 r/min	115.00 A	0.860	94.30 %	375.23 N-m	8.20
D	--	60 Hz	440 V	70.00 kW	1779 r/min	115.00 A	0.860	94.30 %	375.23 N-m	8.20
D	--	60 Hz	440 V	70.00 kW	1779 r/min	115.00 A	0.860	94.30 %	375.23 N-m	8.20
D	--	60 Hz	440 V	70.00 kW	1779 r/min	115.00 A	0.860	94.30 %	375.23 N-m	8.20
D	--	60 Hz	460 V	70.00 kW	1781 r/min	112.00 A	0.840	94.40 %	374.88 N-m	8.70
D	--	60 Hz	460 V	70.00 kW	1781 r/min	112.00 A	0.840	94.40 %	374.88 N-m	8.70
D	--	60 Hz	460 V	70.00 kW	1781 r/min	112.00 A	0.840	94.40 %	374.88 N-m	8.70
D	--	60 Hz	460 V	70.00 kW	1781 r/min	112.00 A	0.840	94.40 %	374.88 N-m	8.70

Frame Material Aluminum
 Frame Size 280

Frequency (f)	50 Hz
Gross Weight	409 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 94.3 % Partial Load (75%) 94.4 % Partial Load (50%) 93.9 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 94.3 % Partial Load (75%) 94.2 % Partial Load (50%) 93.2 %
IM Class	IMB3 IM1001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3AA 280SMA 4
IP Class	IP55
Made To Order	No
Medium Description	75kW, 4 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GAA282210-ADG)
Minimum Order Quantity	1 piece
Number of Poles (High)	4
Order Multiple	1 piece
Output Power	75 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	884 mm
Product Net Height	657 mm
Product Net Weight	389 kg
Product Net Width	522 mm
Product Type	3AA2_M3AA_IE2_AA
Quote Only	No
Replaced Product ID (OLD)	3GAA282031-ADG
SCIP	27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)
Selling Unit of Measure	piece
Short Description	75kW, 4P, 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 → IE2 High Efficiency Aluminum Motors

