

PRODUCT-DETAILS

3GGP284220-ADL

Dust Ignition Proof IE3 LV Motors, 45 kW, 400 V (3GGP284220-ADL)



General Information

Product ID	3GGP284220-ADL
ABB Type Designation	M3GP 280SMB 8
Catalog Description	Dust Ignition Proof IE3 LV Motors, 45 kW, 400 V (3GGP284220-ADL)

Additional Information

ABB Type Designation	M3GP 280SMB 8
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6316/C3
Bearing NDE	6316/C3
Connection Configuration	D
Country of Origin	Finland (FI)
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	T3	50 Hz	690 V	45.00 kW	741 r/min	51.70 A	0.780	92.20 %	579.00 N-m	7.60
D	T3	50 Hz	400 V	45.00 kW	741 r/min	89.60 A	0.780	92.20 %	579.00 N-m	7.60
D	T3	50 Hz	415 V	45.00 kW	742 r/min	88.30 A	0.760	92.20 %	579.00 N-m	8.00

EX-Protection	Exec
Frame Material	Cast Iron
Frame Size	280
Frequency (f)	50 Hz
Gas Group	IIC
Gross Weight	665 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 92.2 % Partial Load (75%) 92.1 % Partial Load (50%) 90.9 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 92.4 % Partial Load (75%) 92.1 % Partial Load (50%) 90.6 %
IM Class	IMB3 IM1001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3GP 280SMB 8
IP Class	IP55
Made To Order	No
Medium Description	45kW, 8 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GGP284220-ADL)
Minimum Order Quantity	1 piece
Number of Poles (High)	8
Order Multiple	1 piece
Output Power	45 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	1088 mm
Product Net Height	762 mm
Product Net Weight	645 kg
Product Net Width	577 mm
Product Type	5GP3 M3GP CI
Quote Only	No
Selling Unit of Measure	piece
Short Description	45kW, 8P, Frame Size 280, 3PH, 400V, 50Hz, IP55, IMB3/IM1001
Temperature Class Default	T3
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 → Motors and Generators for Explosive Atmospheres → Dust Ignition Proof Motors → Dust Ignition Proof IE3 LV Motors

