



 PRODUCT-DETAILS

3GJP281230-AEL

Flameproof IE3 Premium Efficiency LV Motors, 90 kW, 500 V (3GJP281230-AEL)



General Information

Product ID	3GJP281230-AEL
ABB Type Designation	M3JP 280SMC 2
Catalog Description	Flameproof IE3 Premium Efficiency LV Motors, 90 kW, 500 V (3GJP281230-AEL)

Ordering

ABB Type Designation	M3JP 280SMC 2
Invoice Description	M3JP 280SMC 2
Product Name	3-Phase squirrel cage motor
Product Type	5JP3__M3JP_IE3_Flameproof_Ext_motor
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI)
Customs Tariff Number	85015381
Medium Description	90kW, 2 Poles, Frame Size 280, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GJP281230-AEL)

Short Description

90kW, 2P, Frame Size 280, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	T4	50 Hz	500 V	90.00 kW	2975 r/min	124.00 A	0.880	95.00 %	289.00 N-m	6.40

Connection Configuration	D
Temperature Class Default	T4
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Output Power	90 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 95.0 % Partial Load (75%) 95.0 % Partial Load (50%) 94.2 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 95.0 % Partial Load (75%) 94.6 % Partial Load (50%) 93.2 %
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	E
EX-Protection	Exdb
Gas Group	IIB

Mechanical

Frame Material	Cast Iron
Frame Size	280
Bearing	6316/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1090 mm
Product Net Height	862 mm
Product Net Width	530 mm
Product Net Weight	795 kg

Gross Weight 815 kg

Environmental

WEEE Category 4. Large Equipment (Any External Dimension More Than 50 cm)

SCIP 297e96db-dbee-43c1-ad2d-ddd583080bb8 Finland (FI)

Classifications

UNSPSC 26101100

Categories

Motors and Generators → Motors and Generators for Explosive Atmospheres → Flameproof Motors → Flameproof IE3 Premium Efficiency LV Motors

