

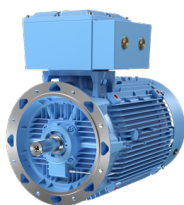



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 PRODUCT-DETAILS

## 3GJM281220-BDL

### Flameproof IE3 Premium Efficiency Mining Motors, 75 kW, 400 V (3GJM281220-BDL)




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**General Information**

Product ID	3GJM281220-BDL
ABB Type Designation	M3JM 280SMB 2
Catalog Description	Flameproof IE3 Premium Efficiency Mining Motors, 75 kW, 400 V (3GJM281220-BDL)

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**Ordering**

ABB Type Designation	M3JM 280SMB 2
Invoice Description	M3JM 280SMB 2
Product Name	3-Phase squirrel cage motor
Product Type	5JM3__M3JM_IE3_Group_I_Flameproof_Exd_mining_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	85015230
Medium Description	75kW, 2 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP66 Enclosure, IMB5/IM3001 Mounting (3GJM281220-BDL)

Short Description

75kW, 2P, Frame Size 280, 3PH, 400V, 50Hz, IP66, IMB5/IM3001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	75.00 kW	2978 r/min	75.30 A	0.880	94.70 %	240.00 N-m	7.00
D	--	50 Hz	400 V	75.00 kW	2978 r/min	130.00 A	0.880	94.70 %	240.00 N-m	7.00
D	--	50 Hz	415 V	75.00 kW	2980 r/min	126.00 A	0.870	94.70 %	240.00 N-m	7.50

Connection Configuration	D
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%) 94.4 % Partial Load (50%) 93.3 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 94.1 % Partial Load (75%) 93.4 % Partial Load (50%) 91.6 %
IP Class	IP66
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	2
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D
EX-Protection	Exdb

## Mechanical

Frame Material	Cast Iron
Frame Size	280
Bearing	6316/C3
Bearing NDE	6316/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1088 mm

Product Net Height	762 mm
Product Net Width	481 mm
Product Net Weight	785 kg
Gross Weight	805 kg

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### Environmental

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

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UNSPSC	26101100
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### Categories

Motors and Generators → IEC Low Voltage AC Motors → Mining Motors → Flameproof IE3 Premium Efficiency Mining Motors

