



 PRODUCT-DETAILS

3GJM404810-BDK

Flameproof IE3 Premium Efficiency Mining Motors, 315 kW, 400 V (3GJM404810-BDK)



General Information

Product ID	3GJM404810-BDK
ABB Type Designation	M3JM 400LKA 8
Catalog Description	Flameproof IE3 Premium Efficiency Mining Motors, 315 kW, 400 V (3GJM404810-BDK)

Ordering

ABB Type Designation	M3JM 400LKA 8
Product Name	3-Phase squirrel cage motor
Product Type	3JM3__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	85015381
Medium Description	315kW, 8 Poles, Frame Size 400, 3 Phases, 400V, 50Hz, IP66 Enclosure, IMB5/IM3001 Mounting (3GJM404810-BDK)
Short Description	315kW, 8P, Frame Size 400, 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	315.00 kW	744 r/min	345.00 A	0.800	94.60 %	4043.00 N-m	7.00
D	--	50 Hz	400 V	315.00 kW	744 r/min	592.00 A	0.800	94.60 %	4043.00 N-m	7.00
Y	--	50 Hz	660 V	315.00 kW	743 r/min	353.00 A	0.820	94.60 %	4047.00 N-m	5.80
D	--	50 Hz	380 V	315.00 kW	743 r/min	613.00 A	0.820	94.60 %	4047.00 N-m	5.80
D	--	50 Hz	415 V	315.00 kW	744 r/min	585.00 A	0.780	94.60 %	4040.00 N-m	6.80
D	--	60 Hz	460 V	315.00 kW	894 r/min	520.00 A	0.800	95.00 %	3362.00 N-m	7.00

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	315 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.6 % Partial Load (75%) 94.5 % Partial Load (50%) 94.0 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 95.0 % Partial Load (75%) 95.0 % Partial Load (50%) 94.3 %
IP Class	IP66
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	8
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D
EX-Protection	Exdb

Mechanical

Frame Material	Cast Iron
Frame Size	400
Bearing	6324/C3
Bearing NDE	6319/C3
IM Class	IMB5 IM3001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1891 mm
Product Net Height	1045 mm
Product Net Width	721 mm
Product Net Weight	3214 kg
Gross Weight	3254 kg

Environmental

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

UNSPSC	26101100
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Categories

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

