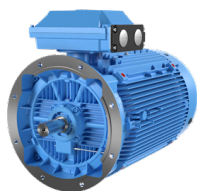




 PRODUCT-DETAILS

3GGL312412-BEC

Increased Safety IE5 Ex ec SynRM Motors, 132 kW, 500 V (3GGL312412-BEC)



General Information

Product ID	3GGL312412-BEC
ABB Type Designation	M3GL 315MLA 4
Catalog Description	Increased Safety IE5 Ex ec SynRM Motors, 132 kW, 500 V (3GGL312412-BEC)

Ordering

ABB Type Designation	M3GL 315MLA 4
Invoice Description	M3GL 315MLA 4
Product Name	3Phase Synchronous reluctance motor
Product Type	3GL5__M3GL_IE5_SynRM_Ex
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	132kW, 4P, Frame Size 315, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GGL312412-BEC)

Short Description

132kW, 4P, Frame Size 315, 3PH, 500V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	Operational Voltage
D	T3	50 Hz	500 V	132.00 kW	1000 r/min	219.00 A	0.770	97.10 %	1260.63 N·m	0.00	470 V

Connection Configuration	D
Temperature Class Default	T3
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Motor Operational Voltage	470 V
Output Power	132 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE5 Full Load (100%) 97.1 % Partial Load (75%) 97.1 % Partial Load (50%) 96.7 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	No
Type of Duty	S9
Voltage Code	E
EX-Protection	Exec
Gas Group	IIC

Mechanical

Frame Material	Cast Iron
Frame Size	315
Bearing	6319/C3
Bearing NDE	6316/C3VL0241
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1315 mm
Product Net Height	852 mm
Product Net Width	590 mm
Product Net Weight	1116 kg
Gross Weight	1136 kg

Environmental

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

ABB EcoSolutions	Yes
Circular Design Principles Recyclability Rate	Design for Closing Resource Loops - Standard EN45555 - 90 %
Sustainable Material Content	Recycled Metal - 29 %
Group Waste to Landfill Target	No non-hazardous waste is sent to a landfill
Improved Resource Efficiency for Customers Offered with Extended Lifetime	Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset Lifetime Extension Services are Offered
End of Life Instructions	3GZW500930-3

Eco Transparency

Environmental Product Declaration - EPD	9AAU00000000027
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Classifications

UNSPSC	26101100
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Categories

Motors and Generators → Motors and Generators for Explosive Atmospheres → Dust Ignition Proof Motors → Dust Ignition Proof IE5 SynRM Motors

Motors and Generators → Motors and Generators for Explosive Atmospheres → Increased Safety Ex ec Zone 2 Motors → Increased Safety IE5 Ex ec SynRM Motors

