

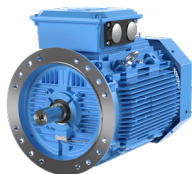



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 PRODUCT-DETAILS

## 3GHL202423-BUC

Inceased Safety IE5 Ex eb SynRM Motors, 30 kW, 690 V, (3GHL202423-BUC)




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**General Information**

Product ID	3GHL202423-BUC
ABB Type Designation	M3HL 200MLB 4
Catalog Description	Inceased Safety IE5 Ex eb SynRM Motors, 30 kW, 690 V, (3GHL202423-BUC)

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**Ordering**

ABB Type Designation	M3HL 200MLB 4
Invoice Description	M3HL 200MLB 4
Product Name	3Phase Synchronous reluctance motor
Product Type	3HL5__M3HL_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	85015230
Medium Description	30kW, 4P, Frame Size 200, 3 Phases, 690V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GHL202423-BUC)

Short Description

30kW, 4P, Frame Size 200, 3PH, 690V, 50Hz, IP55, IMB5/IM3001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	Operational Voltage
Y	T3	50 Hz	690 V	30.00 kW	1500 r/min	37.30 A	0.750	95.50 %	190.99 N·m	0.00	650 V

Connection Configuration	Y
Temperature Class Default	T3
Input Voltage (U <sub>in</sub> )	690 V
Frequency (f)	50 Hz
Motor Operational Voltage	650 V
Output Power	30 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE5 Full Load (100%) 95.5 % Partial Load (75%) 95.6 % Partial Load (50%) 95.0 %
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	U
EX-Protection	Exeb
Gas Group	IIC

## Mechanical

Frame Material	Cast Iron
Frame Size	200
Bearing	6312/C3
Bearing NDE	6210/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	821 mm
Product Net Height	528 mm
Product Net Width	378 mm
Product Net Weight	304 kg
Gross Weight	314 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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## Circular Value

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

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Environmental Product Declaration - EPD	9AAU00000000028
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## Classifications

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UNSPSC	26101100
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## Categories

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Motors and Generators → Motors and Generators for Explosive Atmospheres → Increased Safety Ex eb Zone 1 Motors → Increased Safety IE5 Ex eb SynRM Motors

