



 PRODUCT-DETAILS

3GHL202423-AFC

Inceased Safety IE5 Ex eb SynRM Motors, 30 kW, 500 V, (3GHL202423-AFC)



General Information

Product ID	3GHL202423-AFC
ABB Type Designation	M3HL 200MLB 4
Catalog Description	Inceased Safety IE5 Ex eb SynRM Motors, 30 kW, 500 V, (3GHL202423-AFC)

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, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GHL202423-AFC)

Short Description

30kW, 4P, Frame Size 200, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	Operational Voltage
Y	T3	50 Hz	500 V	30.00 kW	1500 r/min	51.20 A	0.750	95.90 %	190.99 N·m	0.00	470 V

Connection Configuration	Y
Temperature Class Default	T3
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Motor Operational Voltage	470 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%) 95.9 % Partial Load (75%) 95.8 % 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	F
EX-Protection	Exeb
Gas Group	IIC

Mechanical

Frame Material	Cast Iron
Frame Size	200
Bearing	6312/C3
Bearing NDE	6210/C3
IM Class	IMB3 IM1001
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

Environmental

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

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 Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset

Offered with Extended Lifetime Lifetime Extension Services are Offered

End of Life Instructions 3GZW500930-3

Eco Transparency

Environmental Product Declaration - EPD 9AAU00000000028

Classifications

UNSPSC 26101100

Categories

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

