



 PRODUCT-DETAILS

3GHL202423-AUC

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



General Information

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

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, IMB3/IM1001 Mounting (3GHL202423-AUC) |

Short Description 30kW, 4P, Frame Size 200, 3PH, 690V, 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 | 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 _{in}) | 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 | 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

