



 PRODUCT-DETAILS

3GBL312222-ADC

IE5 SynRM Motors, 90 kW, 400 V (3GBL312222-ADC)



General Information

Product ID	3GBL312222-ADC
ABB Type Designation	M3BL 315SMB 4
Catalog Description	IE5 SynRM Motors, 90 kW, 400 V (3GBL312222-ADC)

Ordering

ABB Type Designation	M3BL 315SMB 4
Invoice Description	M3BL 315SMB 4
Product Name	3-Phase synchronous motor
Product Type	3BL4__M3BL_IE5_SynRM_CI
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
Stocked At (Warehouses)	Menden, Germany

Medium Description	90kW, 4 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBL312222-ADC)
Short Description	90kW, 4P, Frame Size 315, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	Operational Voltage
D	--	50 Hz	400 V	90.00 kW	1000 r/min	199.00 A	0.730	96.80 %	859.00 N·m	0.00	370 V

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Motor Operational Voltage	370 V
Output Power	90 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE5 Full Load (100%) 96.8 % Partial Load (75%) 96.7 % Partial Load (50%) 96.0 %
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	D

Mechanical

Frame Material	Cast Iron
Frame Size	315
Bearing	6319/C3
Bearing NDE	6316/C3VL0241
IM Class	IMB3 IM1001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1204 mm
Product Net Height	852 mm
Product Net Width	648 mm
Product Net Weight	925 kg
Gross Weight	945 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 9AAU00000000027

Classifications

UNSPSC 26101100

Categories

Motors and Generators → IEC Low Voltage AC Motors → Synchronous Reluctance Motors → IE5 SynRM Motors

