



 PRODUCT-DETAILS

3GBL252213-BSC

IE5 SynRM Motors, 55 kW, 400 V (3GBL252213-BSC)

For sale but "Obsolete", replaced by



General Information

Product ID	3GBL252213-BSC
ABB Type Designation	M3BL 250SMA 4
Catalog Description	IE5 SynRM Motors, 55 kW, 400 V (3GBL252213-BSC)

Ordering

ABB Type Designation	M3BL 250SMA 4
Invoice Description	M3BL 250SMA 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	85015290
Replaced Product ID (OLD)	3GBL252102-BSC

Medium Description	55kW, 4 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBL252213-BSC)
Short Description	55kW, 4P, Frame Size 250, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN	Operational Voltage
Y	--	50 Hz	400 V	55.00 kW	1500 r/min	119.00 A	0.750	95.60 %	350.00 N·m	0.00	370 V

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Motor Operational Voltage	370 V
Output Power	55 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 95.6 % Partial Load (75%) 95.4 % Partial Load (50%) 94.9 %
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	S

Mechanical

Frame Material	Cast Iron
Frame Size	250
Bearing	6315/C3
Bearing NDE	6213/C3
IM Class	IMB5 IM3001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	884 mm
Product Net Height	626 mm
Product Net Width	508 mm
Product Net Weight	454 kg
Gross Weight	464 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 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
---	-----------------

Classifications

UNSPSC	26101100
--------	----------

Categories

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

