

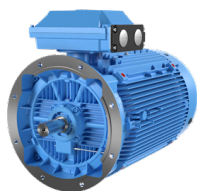



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 PRODUCT-DETAILS

## 3GBP351420-BDG

IE2 High Efficiency Cast Iron Motors, 450 kW,  
400 V (3GBP351420-BDG)




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**General Information**

Product ID	3GBP351420-BDG
ABB Type Designation	M3BP 355MLB 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 450 kW, 400 V (3GBP351420-BDG)

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**Ordering**

ABB Type Designation	M3BP 355MLB 2
Invoice Description	M3BP 355MLB 2
Product Name	3-Phase squirrel cage motor
Product Type	3BP2_M3BP_IE2_CI
Made To Order	No
Minimum Order Quantity	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) China (CN) India (IN) Poland (PL)
Customs Tariff Number	85015394

Stocked At  
(Warehouses)

Shanghai, China

Medium Description	450kW, 2 Poles, Frame Size 355, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP351420-BDG)
Short Description	450kW, 2P, Frame Size 355, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	450.00 kW	2983 r/min	431.00 A	0.900	95.00 %	1440.00 N-m	7.90
D	--	50 Hz	400 V	450.00 kW	2983 r/min	743.00 A	0.900	95.00 %	1440.00 N-m	7.90
D	--	50 Hz	415 V	450.00 kW	2985 r/min	725.00 A	0.900	95.00 %	1440.00 N-m	8.60

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	450 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 95.0 % Partial Load (75%) 95.0 % Partial Load (50%) 93.8 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	2
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

## Mechanical

Frame Material	Cast Iron
Frame Size	355
Bearing	6316M/C3
Bearing NDE	6316M/C3
IM Class	IMB5 IM3001
Terminator Box Location	Top

## Dimensions

Package Level 1 Units	1 pallet (lift)
Product Net Depth / Length	1514 mm
Product Net Height	958 mm

Product Net Width	746 mm
Product Net Weight	2080 kg
Gross Weight	2110 kg

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## Environmental

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WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)

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## Classifications

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UNSPSC	26101100 39120000
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## Categories

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Motors and Generators → IEC Low Voltage AC Motors → Marine Motors → Marine Process Performance Motors

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE2 High Efficiency Cast Iron Motors

Motors and Generators → IEC Low Voltage AC Motors → Smoke Extraction Motors → IE2 High Efficiency Cast Iron Motors

