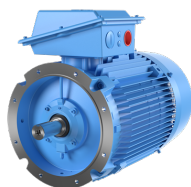


PRODUCT-DETAILS

## 3GBA312410-BDC

IE2 High Efficiency Cast Iron Motors, 200 kW,  
400 V (3GBA312410-BDC)



### General Information

Product ID	3GBA312410-BDC
ABB Type Designation	M2BAX 315MLA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 200 kW, 400 V (3GBA312410-BDC)

### Ordering

ABB Type Designation	M2BAX 315MLA 4
Invoice Description	M2BAX 315MLA 4
Product Name	3-Phase squirrel cage motor
Product Type	EBA2_M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	China (CN)
Customs Tariff Number	85015381
Replaced Product ID (OLD)	3GBA312410-BDL
Stocked At (Warehouses)	Shanghai, China
Medium Description	200kW, 4 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure,

IMB5/IM3001 Mounting (3GBA312410-BDC)

Short Description 200kW, 4P, Frame Size 315, 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	200.00 kW	1486 r/min	206.00 A	0.860	95.10 %	1285.00 N·m	7.00
D	--	50 Hz	400 V	200.00 kW	1486 r/min	356.00 A	0.860	95.10 %	1285.00 N·m	7.00
Y	--	50 Hz	660 V	200.00 kW	1484 r/min	213.00 A	0.870	95.10 %	1286.00 N·m	6.40
D	--	50 Hz	380 V	200.00 kW	1484 r/min	369.00 A	0.870	95.10 %	1285.00 N·m	6.40
D	--	60 Hz	440 V	200.00 kW	1787 r/min	321.00 A	0.860	95.00 %	1069.02 N·m	7.40
D	--	60 Hz	460 V	200.00 kW	1788 r/min	314.00 A	0.840	95.00 %	1068.29 N·m	8.00

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	200 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 95.1 % Partial Load (75%) 95.2 % Partial Load (50%) 94.6 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 95.0 % Partial Load (75%) 94.7 % Partial Load (50%) 93.6 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	4
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

## Mechanical

Frame Material	Cast Iron
Frame Size	315
Bearing	6219/C3
Bearing NDE	6217/C3
Lubrication	Regreasable
IM Class	IMB5 IM3001
Terminator Box Location	Top

---

## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1356 mm
Product Net Height	849 mm
Product Net Width	644 mm
Product Net Weight	1012 kg
Gross Weight	1032 kg

---

## Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

---

## Classifications

Standards	IEC 60034-1
UNSPSC	26101100

---

## Categories

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

