

PRODUCT-DETAILS

3GBA352220-ADC

IE2 High Efficiency Cast Iron Motors, 315 kW, 400 V (3GBA352220-ADC)



General Information

Product ID	3GBA352220-ADC
ABB Type Designation	M2BAX 355SMB 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 315 kW, 400 V (3GBA352220-ADC)

Ordering

ABB Type Designation	M2BAX 355SMB 4
Invoice Description	M2BAX 355SMB 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) India (IN) Poland (PL)
Customs Tariff Number	85015381
Replaced Product ID (OLD)	3GBA352220-ADL
Stocked At	Shanghai, China

(Warehouses)

Medium Description	315kW, 4 Poles, Frame Size 355, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA352220-ADC)
Short Description	315kW, 4P, Frame Size 355, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	315.00 kW	1488 r/min	325.00 A	0.850	95.10 %	2021.00 N-m	7.30
D	--	50 Hz	400 V	315.00 kW	1488 r/min	560.00 A	0.850	95.10 %	2021.00 N-m	7.30
Y	--	50 Hz	660 V	315.00 kW	1487 r/min	336.00 A	0.860	95.10 %	2022.00 N-m	6.70
D	--	50 Hz	380 V	315.00 kW	1487 r/min	583.00 A	0.860	95.10 %	2021.00 N-m	6.70

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	315 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%) 95.1 % Partial Load (50%) 94.3 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 95.4 % Partial Load (75%) 94.9 % Partial Load (50%) 93.7 %
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	355
Bearing	6222/C3
Bearing NDE	6219/C3
Lubrication	Regreasable
IM Class	IMB3 IM1001
Terminator Box Location	Top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1469 mm
Product Net Height	933 mm
Product Net Width	739 mm
Product Net Weight	1589 kg
Gross Weight	1619 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

