



 PRODUCT-DETAILS

3GBA252210-ADC

IE2 High Efficiency Cast Iron Motors, 55 kW,
400 V (3GBA252210-ADC)



Submitted by TECO Group

General Information

Product ID	3GBA252210-ADC
ABB Type Designation	M2BAX 250SMA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 55 kW, 400 V (3GBA252210-ADC)

Ordering

ABB Type Designation	M2BAX 250SMA 4
Invoice Description	M2BAX 250SMA 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) Poland (PL)
Customs Tariff Number	85015290
Stocked At	Menden, Germany

(Warehouses)	Shanghai, China
Medium Description	55kW, 4 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBA252210-ADC)
Short Description	55kW, 4P, Frame Size 250, 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	55.00 kW	1480 r/min	60.30 A	0.820	93.50 %	355.40 N-m	7.60
D	--	50 Hz	400 V	55.00 kW	1480 r/min	104.00 A	0.820	93.50 %	355.40 N-m	7.60
Y	--	50 Hz	660 V	55.00 kW	1478 r/min	60.90 A	0.850	93.50 %	355.90 N-m	7.10
D	--	50 Hz	380 V	55.00 kW	1478 r/min	106.00 A	0.850	93.50 %	355.90 N-m	7.10
D	--	60 Hz	440 V	55.00 kW	1781 r/min	91.80 A	0.840	93.00 %	295.28 N-m	8.40
D	--	60 Hz	460 V	55.00 kW	1783 r/min	90.10 A	0.820	93.00 %	294.96 N-m	8.90

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	55 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE2 Full Load (100%) 93.5 % Partial Load (75%) 93.4 % Partial Load (50%) 92.7 %
IE Class Data (60 Hz)	IE Class IE1 Full Load (100%) 93.0 % Partial Load (75%) 92.6 % Partial Load (50%) 91.2 %
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	250
Bearing	6215-2Z/C3
Bearing NDE	6212-2Z/C3
Lubrication	For life
IM Class	IMB3 IM1001

Terminator Box Location

D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	882 mm
Product Net Height	584 mm
Product Net Width	480 mm
Product Net Weight	340 kg
Gross Weight	350 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

