



## PRODUCT-DETAILS

## 3GBP222230-ADG

IE2 High Efficiency Cast Iron Motors, 55 kW,  
400 V (3GBP222230-ADG)



### General Information

Product ID:	3GBP222230-ADG
ABB Type Designation:	M3BP 225SMC 4
Catalog Description:	IE2 High Efficiency Cast Iron Motors, 55 kW, 400 V (3GBP222230-ADG)
Display Name:	3GBP222230-ADG

### Ordering

ABB Type Designation:	M3BP 225SMC 4
Invoice Description:	M3BP 225SMC 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3BP2__M3BP_IE2_CI
Country of Origin:	Finland China India Poland
Customs Tariff Number:	85015290

<b>Replaced Product ID (OLD):</b>	3GBP222033-ADG 3GBP222230-ADD
<b>Medium Description:</b>	55kW, 4 Poles, Frame Size 225, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP222230-ADG)
<b>Short Description:</b>	55kW, 4P, Frame Size 225, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

## Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	55.00 kW	1478 r/min	57.60 A	0.850	94.00 %	355.00 N-m	7.40
D	--	50 Hz	400 V	55.00 kW	1478 r/min	99.30 A	0.850	94.00 %	355.00 N-m	7.40
D	--	50 Hz	415 V	55.00 kW	1480 r/min	98.00 A	0.830	94.00 %	355.00 N-m	7.80
D	--	60 Hz	440 V	55.00 kW	1780 r/min	88.00 A	0.870	94.20 %	295.00 N-m	7.90
D	--	60 Hz	460 V	55.00 kW	1782 r/min	86.00 A	0.850	94.40 %	294.00 N-m	8.50

<b>Connection Configuration:</b>	D
<b>Temperature Class Default:</b>	--
<b>Input Voltage (U<sub>in</sub>):</b>	400 V
<b>Frequency (f):</b>	50 Hz
<b>Output Power:</b>	55 kW
<b>Altitude:</b>	1000 m
<b>Ambient Temperature:</b>	40 °C
<b>IC Class:</b>	IC411
<b>IE Class Data (50 Hz):</b>	IE Class IE2 Full Load (100%) 94.0 % Partial Load (75%) 94.5 % Partial Load (50%) 94.3 %
<b>IE Class Data (60 Hz):</b>	IE Class IE2 Full Load (100%) 94.2 % Partial Load (75%) 94.5 % Partial Load (50%) 94.0 %
<b>IP Class:</b>	IP55
<b>Insulation Class:</b>	ICLF
<b>Direction of Rotation:</b>	Both sides
<b>Number of Poles (High):</b>	4
<b>Two Speed Motor:</b>	No
<b>Type of Duty:</b>	S1
<b>Voltage Code:</b>	D

## Mechanical

<b>Frame Material:</b>	Cast Iron
<b>Frame Size:</b>	225
<b>Bearing:</b>	6313/C3

<b>Bearing NDE:</b>	6212/C3
<b>Lubrication:</b>	Regreasable
<b>IM Class:</b>	IMB3 IM1001
<b>Terminator Box Location:</b>	D-End top

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## Dimensions

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<b>Product Net Depth / Length:</b>	879 mm
<b>Product Net Height:</b>	574 mm
<b>Product Net Width:</b>	460 mm
<b>Product Net Weight:</b>	370 kg
<b>Gross Weight:</b>	380 kg

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## Environmental

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

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## External Classifications and Standards

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<b>Standards:</b>	IEC 60034-1
<b>UNSPSC:</b>	26101100

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## Categories

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

