



 PRODUCT-DETAILS

3GBP312230-ADM

IE4 Super Premium Efficiency Cast Iron Motors, 110 kW, 400 V (3GBP312230-ADM)



General Information

Product ID	3GBP312230-ADM
ABB Type Designation	M3BP 315SMC 4
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 110 kW, 400 V (3GBP312230-ADM)

Ordering

ABB Type Designation	M3BP 315SMC 4
Invoice Description	M3BP 315SMC 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP4_M3BP_IE4_CI
Country or Territory of Origin	Finland China India Poland
Customs Tariff Number	85015381
Stocked At (Warehouses)	Menden, Germany
Medium Description	110kW, 4 Poles, Frame Size 315, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP312230-ADM)

Short Description

110kW, 4P, Frame Size 315, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	110.00 kW	1491 r/min	113.00 A	0.850	96.30 %	704.00 N-m	7.80
D	--	50 Hz	400 V	110.00 kW	1491 r/min	194.00 A	0.850	96.30 %	704.00 N-m	7.80
D	--	50 Hz	415 V	110.00 kW	1491 r/min	190.00 A	0.840	96.30 %	704.00 N-m	8.40
D	--	60 Hz	460 V	110.00 kW	1792 r/min	172.00 A	0.830	96.20 %	586.00 N-m	8.80

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	110 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE4 Full Load (100%) 96.3 % Partial Load (75%) 96.4 % Partial Load (50%) 95.9 %
IE Class Data (60 Hz)	IE Class IE4 Full Load (100%) 96.2 % Partial Load (75%) 96.0 % Partial Load (50%) 95.3 %
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	6319/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	Top

Dimensions

Product Net Depth / Length	1202 mm
Product Net Height	732 mm

Product Net Width	590 mm
Product Net Weight	1000 kg
Gross Weight	1020 kg

Environmental

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

External Classifications and Standards

UNSPSC	26101100
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Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE4 Super Premium Efficiency Cast Iron Motors

