



PRODUCT-DETAILS

3GBP162410-ADG

IE2 High Efficiency Cast Iron Motors, 11 kW,
400 V (3GBP162410-ADG)



General Information	
Product ID	3GBP162410-ADG
ABB Type Designation	M3BP 160MLA 4
Catalog Description	IE2 High Efficiency Cast Iron Motors, 11 kW, 400 V (3GBP162410-ADG)

Ordering	
ABB Type Designation	M3BP 160MLA 4
Invoice Description	M3BP 160MLA 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP2_M3BP_IE2_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI) China (CN) India (IN) Poland (PL)

Customs Tariff Number	85015230
Stocked At (Warehouses)	Menden, Germany
Medium Description	11kW, 4 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP162410-ADG)
Short Description	11kW, 4P, Frame Size 160, 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	11.00 kW	1466 r/min	12.10 A	0.840	89.80 %	71.60 N·m	6.80
D	--	50 Hz	400 V	11.00 kW	1466 r/min	20.90 A	0.840	89.80 %	71.60 N·m	6.80
D	--	50 Hz	415 V	11.00 kW	1470 r/min	20.30 A	0.830	89.80 %	71.60 N·m	7.30
D	--	60 Hz	440 V	11.00 kW	1769 r/min	18.80 A	0.840	91.00 %	59.30 N·m	7.10
D	--	60 Hz	460 V	11.00 kW	1772 r/min	18.20 A	0.830	91.00 %	59.20 N·m	7.70
Connection Configuration										D
Temperature Class Default										--
Input Voltage (U _{in})										400 V
Frequency (f)										50 Hz
Output Power										11 kW
Altitude										1000 m
Ambient Temperature										40 °C
IC Class										IC411
IE Class Data (50 Hz)										IE Class IE2 Full Load (100%) 89.8 % Partial Load (75%) 90.8 % Partial Load (50%) 90.3 %
IE Class Data (60 Hz)										IE Class IE2 Full Load (100%) 91.0 % Partial Load (75%) 91.3 % Partial Load (50%) 90.3 %
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	160
Bearing	6309/C3
Bearing NDE	6209/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions	
Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	584 mm
Product Net Height	421 mm
Product Net Width	310 mm
Product Net Weight	135 kg
Gross Weight	145 kg

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

Classifications	
Standards	IEC 60034-1
UNSPSC	26101100

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

