



 PRODUCT-DETAILS

3GBP502510-ADM

IE4 Super Premium Efficiency Cast Iron Motors, 1100 kW, 400 V (3GBP502510-ADM)



General Information

Product ID	3GBP502510-ADM
ABB Type Designation	M3BP 500LA 4
Catalog Description	IE4 Super Premium Efficiency Cast Iron Motors, 1100 kW, 400 V (3GBP502510-ADM)

Ordering

ABB Type Designation	M3BP 500LA 4
Invoice Description	M3BP 500LA 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP4__M3BP_IE4_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI)
Customs Tariff Number	85015399
Medium Description	1100kW, 4P, Frame Size 500, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP502510-ADM)
Short Description	1100kW, 4P, Frame Size 500, 3PH, 400V, 50Hz, IP68, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	400 V	1100.00 kW	1494 r/min	1916.00 A	0.850	97.50 %	7031.00 N·m	7.00
D	--	50 Hz	415 V	1100.00 kW	1494 r/min	1867.00 A	0.840	97.60 %	7031.00 N·m	7.50
D	--	60 Hz	460 V	1100.00 kW	1795 r/min	1708.00 A	0.830	97.40 %	5852.00 N·m	8.00

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	1100 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class NA Full Load (100%) 97.5 % Partial Load (75%) 97.4 % Partial Load (50%) 96.9 %
IE Class Data (60 Hz)	IE Class NA Full Load (100%) 97.4 % Partial Load (75%) 97.0 % Partial Load (50%) 96.1 %
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	500
Bearing	6330M/C3
Bearing NDE	6326M/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	2426 mm
Product Net Height	1333 mm
Product Net Width	900 mm
Product Net Weight	5900 kg
Gross Weight	0 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
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Classifications

UNSPSC

26101100

Categories

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

