



PRODUCT-DETAILS

3GBP352810-ADM

IE4 Super Premium Efficiency Cast Iron Motors, 500 kW, 400 V (3GBP352810-ADM)



General Information

Product ID:	3GBP352810-ADM
ABB Type Designation:	M3BP 355LKA 4
Catalog Description:	IE4 Super Premium Efficiency Cast Iron Motors, 500 kW, 400 V (3GBP352810-ADM)
Display Name:	3GBP352810-ADM

Ordering

ABB Type Designation:	M3BP 355LKA 4
Invoice Description:	M3BP 355LKA 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3BP4__M3BP_IE4_CI
Country of Origin:	Finland China Poland
Customs Tariff Number:	85015394

Medium Description: 500kW, 4 Poles, Frame Size 355, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP352810-ADM)

Short Description: 500kW, 4P, Frame Size 355, 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	500.00 kW	1491 r/min	500.00 A	0.860	96.70 %	3202.00 N-m	7.30
D	--	50 Hz	400 V	500.00 kW	1491 r/min	867.00 A	0.860	96.70 %	3202.00 N-m	7.30
D	--	50 Hz	415 V	500.00 kW	1492 r/min	849.00 A	0.840	96.70 %	3200.00 N-m	7.70
D	--	60 Hz	460 V	500.00 kW	1792 r/min	758.00 A	0.860	96.80 %	2664.00 N-m	9.60

Connection Configuration: D

Temperature Class Default: --

Input Voltage (U_{in}): 400 V

Frequency (f): 50 Hz

Output Power: 500 kW

Altitude: 1000 m

Ambient Temperature: 40 °C

IC Class: IC411

IE Class Data (50 Hz):
IE Class IE4
Full Load (100%) 96.7 %
Partial Load (75%) 96.8 %
Partial Load (50%) 96.2 %

IE Class Data (60 Hz):
IE Class IE4
Full Load (100%) 96.8 %
Partial Load (75%) 97.0 %
Partial Load (50%) 96.2 %

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: 355

Bearing: 6322/C3

Bearing NDE:	6316/C3
IM Class:	IMB3 IM1001
Terminator Box Location:	Top

Dimensions

Product Net Depth / Length:	1834 mm
Product Net Height:	843 mm
Product Net Width:	700 mm
Product Net Weight:	2500 kg
Gross Weight:	2530 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

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

