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 PRODUCT-DETAILS

## 3GBP354820-AEK

IE3 Premium Efficiency Cast Iron Motors, 315 kW, 500 V (3GBP354820-AEK)




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**General Information**

Product ID	3GBP354820-AEK
ABB Type Designation	M3BP 355LKB 8
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 315 kW, 500 V (3GBP354820-AEK)

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**Ordering**

ABB Type Designation	M3BP 355LKB 8
Invoice Description	M3BP 355LKB 8
Product Name	3-Phase squirrel cage motor
Product Type	3BP3_M3BP_IE3_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)
Customs Tariff Number	85015381
Medium Description	315kW, 8 Poles, Frame Size 355, 3 Phases, 500V, 50Hz, IP55 Enclosure,

IMB3/IM1001 Mounting (3GBP354820-AEK)

Short Description 315kW, 8P, Frame Size 355, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

**Electrical**

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	315.00 kW	742 r/min	476.00 A	0.800	94.60 %	4053.00 N·m	7.90
D	--	60 Hz	575 V	315.00 kW	893 r/min	419.00 A	0.790	95.00 %	3369.00 N·m	8.80

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	500 V
Frequency (f)	50 Hz
Output Power	315 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 94.6 % Partial Load (75%) 94.8 % Partial Load (50%) 94.2 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 95.0 % Partial Load (75%) 95.0 % Partial Load (50%) 94.1 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	8
Two Speed Motor	No
Type of Duty	S1
Voltage Code	E

**Mechanical**

Frame Material	Cast Iron
Frame Size	355
Bearing	6322/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

**Dimensions**

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1834 mm
Product Net Height	958 mm
Product Net Width	700 mm

Product Net Weight	2600 kg
Gross Weight	0 kg

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### Environmental

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

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### Classifications

UNSPSC	26101100
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### Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Cast Iron Motors

