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 PRODUCT-DETAILS

## 3GGP352430-AEK

### Dust Ignition Proof IE3 LV Motors, 450 kW, 500 V (3GGP352430-AEK)




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**General Information**

Product ID	3GGP352430-AEK
ABB Type Designation	M3GP 355MLC 4
Catalog Description	Dust Ignition Proof IE3 LV Motors, 450 kW, 500 V (3GGP352430-AEK)

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**Ordering**

ABB Type Designation	M3GP 355MLC 4
Product Name	3-Phase squirrel cage motor
Product Type	3GP3_M3GP_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)
Customs Tariff Number	85015394
Medium Description	450kW, 4 Poles, Frame Size 355, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GGP352430-AEK)
Short Description	450kW, 4P, 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	T3	50 Hz	500 V	450.00 kW	1490 r/min	623.00 A	0.860	96.00 %	2884.00 N-m	6.70
D	T3	60 Hz	575 V	450.00 kW	1792 r/min	545.00 A	0.860	96.20 %	2398.00 N-m	7.80

Connection Configuration	D
Temperature Class Default	T3
Input Voltage (U <sub>in</sub> )	500 V
Frequency (f)	50 Hz
Output Power	450 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 96.0 % Partial Load (75%) 96.1 % Partial Load (50%) 95.6 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 96.2 % Partial Load (75%) 96.0 % Partial Load (50%) 95.2 %
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	E
EX-Protection	Exec
Gas Group	IIC

## Mechanical

Frame Material	Cast Iron
Frame Size	355
Bearing	6322/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	Top

## Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1584 mm
Product Net Height	958 mm
Product Net Width	746 mm
Product Net Weight	2140 kg

Gross Weight 0 kg

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### Environmental

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

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### Classifications

UNSPSC 26101100

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### Categories

Motors and Generators → Motors and Generators for Explosive Atmospheres → Dust Ignition Proof Motors → Dust Ignition Proof IE3 LV Motors

