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 PRODUCT-DETAILS

## 3GKP112370-CFK

### Flameproof IE3 Premium Efficiency LV Motors, 4 kW, 500 V (3GKP112370-CFK)




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**General Information**

Product ID	3GKP112370-CFK
ABB Type Designation	M3KP 112MG 4
Catalog Description	Flameproof IE3 Premium Efficiency LV Motors, 4 kW, 500 V (3GKP112370-CFK)

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**Ordering**

ABB Type Designation	M3KP 112MG 4
Invoice Description	M3KP 112MG 4
Product Name	3-Phase squirrel cage motor
Product Type	3KP3__M3KP_IE3_Flameproof_Ex_db_eb_motor
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	85015220
Medium Description	4kW, 4 Poles, Frame Size 112, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB14/IM3601 Mounting (3GKP112370-CFK)
Short Description	4kW, 4P, Frame Size 112, 3PH, 500V, 50Hz, IP55, IMB14/IM3601

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	T4	50 Hz	500 V	4.00 kW	1454 r/min	6.60 A	0.750	88.60 %	26.27 N·m	7.50
Y	T4	60 Hz	575 V	4.00 kW	1760 r/min	5.90 A	0.740	89.50 %	21.71 N·m	8.80

Connection Configuration	Y
Temperature Class Default	T4
Input Voltage (U <sub>in</sub> )	500 V
Frequency (f)	50 Hz
Output Power	4 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 88.6 % Partial Load (75%) 89.1 % Partial Load (50%) 88.6 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 89.5 % Partial Load (75%) 89.3 % Partial Load (50%) 87.9 %
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	F
EX-Protection	Exdbeb
Gas Group	IIB

## Mechanical

Frame Material	Cast Iron
Frame Size	112
Bearing	6206-2Z/C3
Bearing NDE	6206-2Z/C3
IM Class	IMB14 IM3601
Terminator Box Location	D-End top

## Dimensions

Package Level 1 Units	0 carton
Product Net Depth / Length	485 mm
Product Net Height	309 mm
Product Net Width	230 mm
Product Net Weight	71 kg
Gross Weight	76 kg

## Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
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## Classifications

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UNSPSC

26101100

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## Categories

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Motors and Generators → Motors and Generators for Explosive Atmospheres → Flameproof Motors → Flameproof IE3 Premium Efficiency LV Motors

