




---

 PRODUCT-DETAILS

## 3GKP082470-AEK

### Flameproof IE3 Premium Efficiency LV Motors, 0,75 kW, 500 V (3GKP082470-AEK)




---

#### General Information

Product ID	3GKP082470-AEK
ABB Type Designation	M3KP 80MLG 4
Catalog Description	Flameproof IE3 Premium Efficiency LV Motors, 0,75 kW, 500 V (3GKP082470-AEK)

---

#### Ordering

ABB Type Designation	M3KP 80MLG 4
Invoice Description	M3KP 80MLG 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	85015100
Medium Description	0.75kW, 4 Poles, Frame Size 80, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GKP082470-AEK)

Short Description

0.75kW, 4P, Frame Size 80, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	T4	50 Hz	500 V	0.75 kW	1445 r/min	1.30 A	0.790	82.50 %	4.97 N·m	7.00
D	T4	60 Hz	575 V	0.75 kW	1752 r/min	1.14 A	0.770	83.50 %	4.10 N·m	8.40

Connection

D

Configuration

Temperature Class

T4

Default

Input Voltage (U<sub>in</sub>)

500 V

Frequency (f)

50 Hz

Output Power

0,75 kW

Altitude

1000 m

Ambient Temperature

40 °C

IC Class

IC411

IE Class Data (50 Hz)

IE Class IE3  
 Full Load (100%) 82.5 %  
 Partial Load (75%) 83.5 %  
 Partial Load (50%) 82.2 %

IE Class Data (60 Hz)

IE Class IE3  
 Full Load (100%) 83.5 %  
 Partial Load (75%) 83.0 %  
 Partial Load (50%) 79.7 %

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

Exdbeb

Gas Group

IIB

## Mechanical

Frame Material

Cast Iron

Frame Size

80

Bearing

6205-2Z/C3

Bearing NDE

6204-2Z/C3

IM Class

IMB3 IM1001

Terminator Box Location

D-End top

## Dimensions

Package Level 1 Units

0 carton

Product Net Depth /  
Length

409 mm

Product Net Height

250 mm

Product Net Width	173 mm
Product Net Weight	41 kg
Gross Weight	44 kg

---

### Environmental

---

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

---

---

### Classifications

---

UNSPSC	26101100
--------	----------

---

---

### Categories

---

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

