



 PRODUCT-DETAILS

3GKP082470-CEK

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



General Information

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

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_Exde_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, IMB14/IM3601 Mounting (3GKP082470-CEK)

Short Description

0.75kW, 4P, Frame Size 80, 3PH, 500V, 50Hz, IP55, IMB14/IM3601

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 Configuration	D
Temperature Class Default	T4
Input Voltage (U _{in})	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	IMB14 IM3601
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)
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Classifications

UNSPSC	26101100
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Categories

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

