

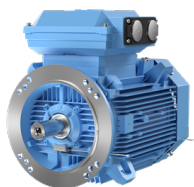



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 PRODUCT-DETAILS

## 3GKP253210-BDK

### Flameproof IE3 Premium Efficiency LV Motors, 37 kW, 400 V (3GKP253210-BDK)




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#### General Information

Product ID	3GKP253210-BDK
ABB Type Designation	M3KP 250SMA 6
Catalog Description	Flameproof IE3 Premium Efficiency LV Motors, 37 kW, 400 V (3GKP253210-BDK)

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#### Ordering

ABB Type Designation	M3KP 250SMA 6
Invoice Description	M3KP 250SMA 6
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	85015230
Medium Description	37kW, 6 Poles, Frame Size 250, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GKP253210-BDK)

Short Description

37kW, 6P, Frame Size 250, 3PH, 400V, 50Hz, IP55, IMB5/IM3001

## Electrical

### Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	T4	50 Hz	690 V	37.00 kW	991 r/min	39.40 A	0.830	93.30 %	356.00 N-m	7.70
D	T4	50 Hz	400 V	37.00 kW	991 r/min	68.00 A	0.830	93.30 %	356.00 N-m	7.70
Y	T4	50 Hz	660 V	37.00 kW	990 r/min	41.00 A	0.840	94.00 %	356.00 N-m	6.90
D	T4	50 Hz	380 V	37.00 kW	990 r/min	71.10 A	0.840	94.00 %	356.00 N-m	6.90
D	T4	50 Hz	415 V	37.00 kW	992 r/min	66.30 A	0.820	93.30 %	356.00 N-m	8.20
D	T4	60 Hz	460 V	37.00 kW	1192 r/min	59.90 A	0.820	94.50 %	296.00 N-m	8.60

Connection Configuration	D
Temperature Class Default	T4
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	37 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 93.3 % Partial Load (75%) 93.4 % Partial Load (50%) 92.7 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 94.5 % Partial Load (75%) 94.7 % Partial Load (50%) 94.1 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D
EX-Protection	Exdbeb
Gas Group	IIB

## Mechanical

Frame Material	Cast Iron
Frame Size	250
Bearing	6315/C3
Bearing NDE	6313/C3
IM Class	IMB5 IM3001
Terminator Box Location	Top

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**Dimensions**

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Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	895 mm
Product Net Height	683 mm
Product Net Width	482 mm
Product Net Weight	529 kg
Gross Weight	539 kg

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**Environmental**

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

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Standards	IEC 60034-1
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

