



 PRODUCT-DETAILS

3GBP132270-ADK

IE3 Premium Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBP132270-ADK)



General Information

Product ID	3GBP132270-ADK
ABB Type Designation	M3BP 132SMG 4
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 7.5 kW, 400 V (3GBP132270-ADK)

Ordering

ABB Type Designation	M3BP 132SMG 4
Invoice Description	M3BP 132SMG 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP3_M3BP_IE3_CI
Country or Territory of Origin	Finland China Poland
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GBP132270-APK 3GBP132250-ADL
Stocked At (Warehouses)	Menden, Germany Shanghai, China
Medium Description	7.5kW, 4 Poles, Frame Size 132, 3 Phases, 400V, 50Hz, IP55 Enclosure,

IMB3/IM1001 Mounting (3GBP132270-ADK)

Short Description 7.5kW, 4P, Frame Size 132, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	7.50 kW	1464 r/min	8.50 A	0.810	90.40 %	48.90 N-m	7.70
D	--	50 Hz	400 V	7.50 kW	1464 r/min	14.70 A	0.810	90.40 %	48.90 N-m	7.70
Y	--	50 Hz	660 V	7.50 kW	1456 r/min	8.80 A	0.830	90.40 %	49.10 N-m	7.10
D	--	50 Hz	380 V	7.50 kW	1456 r/min	15.30 A	0.830	90.40 %	49.10 N-m	7.10
D	--	50 Hz	415 V	7.50 kW	1465 r/min	14.40 A	0.790	90.40 %	48.80 N-m	8.20
D	--	60 Hz	460 V	7.50 kW	1766 r/min	13.00 A	0.790	91.70 %	40.50 N-m	8.70

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	7.5 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 90.4 % Partial Load (75%) 90.5 % Partial Load (50%) 90.2 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 91.7 % Partial Load (75%) 91.6 % Partial Load (50%) 90.8 %
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	D

Mechanical

Frame Material	Cast Iron
Frame Size	132
Bearing	6208-2Z/C3
Bearing NDE	6208-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Product Net Depth / Length	532 mm
Product Net Height	300 mm
Product Net Width	262 mm
Product Net Weight	90 kg
Gross Weight	95 kg

Environmental

WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland

External Classifications and Standards

UNSPSC	26101100 39120000
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Categories

Motors and Generators → IEC Low Voltage AC Motors → Process Performance Motors → IE3 Premium Efficiency Cast Iron Motors

