



PRODUCT-DETAILS

3GBP102820-ADK

IE3 Premium Efficiency Cast Iron Motors, 3 kW, 400 V (3GBP102820-ADK)



General Information	
Product ID	3GBP102820-ADK
ABB Type Designation	M3BP 100LKB 4
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 3 kW, 400 V (3GBP102820-ADK)

Ordering	
ABB Type Designation	M3BP 100LKB 4
Invoice Description	M3BP 100LKB 4
Product Name	3-Phase squirrel cage motor
Product Type	3BP3_M3BP_IE3_CI
Country or Territory of Origin	Finland China
Customs Tariff Number	85015220
Replaced Product ID (OLD)	3GBP102820-APK 3GBP102420-ADL
Stocked At (Warehouses)	Menden, Germany
Medium Description	3kW, 4 Poles, Frame Size 100, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP102820-ADK)

Short Description

3kW, 4P, Frame Size 100, 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	3.00 kW	1452 r/min	3.40 A	0.830	87.70 %	19.70 N·m	9.00
D	--	50 Hz	400 V	3.00 kW	1452 r/min	5.90 A	0.830	87.70 %	19.70 N·m	9.00
Y	--	50 Hz	660 V	3.00 kW	1447 r/min	3.60 A	0.850	87.70 %	19.70 N·m	8.20
D	--	50 Hz	380 V	3.00 kW	1447 r/min	6.20 A	0.850	87.70 %	19.70 N·m	8.20
D	--	50 Hz	415 V	3.00 kW	1457 r/min	5.80 A	0.810	87.70 %	19.70 N·m	9.60
D	--	60 Hz	460 V	3.00 kW	1759 r/min	5.20 A	0.810	89.50 %	16.30 N·m	10.40

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	3 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 87.7 % Partial Load (75%) 87.9 % Partial Load (50%) 86.5 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 89.5 % Partial Load (75%) 89.3 % Partial Load (50%) 87.4 %
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	100
Bearing	6206-2Z/C3
Bearing NDE	6205-2Z/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Product Net Depth / Length	435 mm
Product Net Height	247 mm
Product Net Width	200 mm
Product Net Weight	49 kg
Gross Weight	54 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
--------	----------

Categories

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

