



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

