

PRODUCT-DETAILS

3GBP403520-BDK

IE3 Premium Efficiency Cast Iron Motor, 450 kW, 400 V (3GBP403520-BDK)



General Information

Product ID	3GBP403520-BDK
ABB Type Designation	M3BP 400LB 6
Catalog Description	IE3 Premium Efficiency Cast Iron Motor, 450 kW, 400 V (3GBP403520-BDK)

Additional Information

ABB Type Designation	M3BP 400LB 6
Altitude	1000 m
Ambient Temperature	40 °C
Bearing	6324/C3
Bearing NDE	6319/C3
Connection Configuration	D
Country of Origin	Finland (FI) China (CN) India (IN)
Customs Tariff Number	85015394
Electrical Data	

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	450.00 kW	994 r/min	475.00 A	0.820	95.80 %	4323.00 N-m	7.40
D	--	50 Hz	400 V	450.00 kW	994 r/min	819.00 A	0.820	95.80 %	4323.00 N-m	7.40
Y	--	50 Hz	660 V	450.00 kW	993 r/min	485.00 A	0.850	95.80 %	4326.00 N-m	6.40
D	--	50 Hz	380 V	450.00 kW	993 r/min	842.00 A	0.850	95.80 %	4326.00 N-m	6.40
D	--	50 Hz	415 V	450.00 kW	994 r/min	804.00 A	0.810	95.80 %	4321.00 N-m	7.40
D	--	60 Hz	460 V	450.00 kW	1194 r/min	713.00 A	0.820	95.80 %	3598.00 N-m	7.90

Frame Material	Cast Iron
Frame Size	400
Frequency (f)	50 Hz
Gross Weight	3190 kg
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 95.8 % Partial Load (75%) 95.8 % Partial Load (50%) 95.0 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 95.8 % Partial Load (75%) 95.6 % Partial Load (50%) 94.7 %
IM Class	IMB5 IM3001
Input Voltage (U _{in})	400 V
Insulation Class	ICLF
Invoice Description	M3BP 400LB 6
IP Class	IP55
Made To Order	No
Medium Description	450kW, 6 Poles, Frame Size 400, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP403520-BDK)
Minimum Order Quantity	1 piece
Number of Poles (High)	6
Order Multiple	1 piece
Output Power	450 kW
Package Level 1 Units	0 pallet (lift)
Product Name	3-Phase squirrel cage motor
Product Net Depth / Length	1891 mm
Product Net Height	1045 mm
Product Net Weight	3150 kg
Product Net Width	840 mm
Product Type	3BP3__M3BP_IE3_CI
Quote Only	No
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)
Selling Unit of Measure	piece
Short Description	450kW, 6P, Frame Size 400, 3PH, 400V, 50Hz, IP55, IMB5/IM3001
Temperature Class Default	--
Terminator Box Location	Top
Two Speed Motor	No
Type of Duty	S1
UNSPSC	26101100 39120000
Voltage Code	D
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)

Categories

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

