



 PRODUCT-DETAILS

3GBP284420-ADK

IE3 Premium Efficiency Cast Iron Motors, 75 kW, 400 V (3GBP284420-ADK)



General Information

Product ID	3GBP284420-ADK
ABB Type Designation	M3BP 280MLB 8
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 75 kW, 400 V (3GBP284420-ADK)

Ordering

ABB Type Designation	M3BP 280MLB 8
Invoice Description	M3BP 280MLB 8
Product Name	3-Phase squirrel cage motor
Product Type	3BP3_M3BP_IE3_CI
Country or Territory of Origin	Finland China India
Customs Tariff Number	85015290
Medium Description	75kW, 8 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP284420-ADK)
Short Description	75kW, 8P, Frame Size 280, 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	75.00 kW	737 r/min	85.40 A	0.790	93.10 %	981.00 N-m	6.70
D	--	50 Hz	400 V	75.00 kW	737 r/min	148.00 A	0.790	93.10 %	981.00 N-m	6.70
Y	--	50 Hz	660 V	75.00 kW	735 r/min	88.90 A	0.800	93.10 %	982.00 N-m	6.00
D	--	50 Hz	380 V	75.00 kW	735 r/min	154.00 A	0.800	93.10 %	982.00 N-m	6.00
D	--	50 Hz	415 V	75.00 kW	738 r/min	145.00 A	0.770	93.10 %	980.00 N-m	7.20
D	--	60 Hz	460 V	75.00 kW	889 r/min	129.00 A	0.780	93.60 %	809.00 N-m	6.70

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	400 V
Frequency (f)	50 Hz
Output Power	75 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 93.1 % Partial Load (75%) 93.5 % Partial Load (50%) 93.1 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 93.6 % Partial Load (75%) 94.1 % Partial Load (50%) 93.9 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	8
Two Speed Motor	No
Type of Duty	S1
Voltage Code	D

Mechanical

Frame Material	Cast Iron
Frame Size	280
Bearing	6316/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Product Net Depth / Length	1088 mm
----------------------------	---------

Product Net Height	762 mm
Product Net Width	530 mm
Product Net Weight	890 kg
Gross Weight	910 kg

Environmental

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

External Classifications and Standards

UNSPSC	26101100
--------	----------

Categories

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

