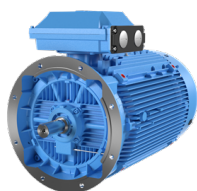




PRODUCT-DETAILS

3GBP282230-BDR

IE5 Ultra Premium Efficiency Cast Iron Motors, 75 kW, 400 V (3GBP282230-BDR)



General Information

Product ID:	3GBP282230-BDR
ABB Type Designation:	M3BP 280SMC 4
Catalog Description:	IE5 Ultra Premium Efficiency Cast Iron Motors, 75 kW, 400 V (3GBP282230-BDR)
Display Name:	3GBP282230-BDR

Ordering

ABB Type Designation:	M3BP 280SMC 4
Invoice Description:	M3BP 280SMC 4
Product Name:	3-Phase squirrel cage motor
Product Type:	3BP5__M3BP_IE5_CI
Country of Origin:	Finland India
Customs Tariff Number:	85015290
Medium Description:	75kW, 4P, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB5/IM3001 Mounting (3GBP282230-BDR)

Short Description: 75kW, 4P, Frame Size 280, 3 Phases, 400V, 50Hz, IP55, IMB5/IM3001

Electrical

Conn	Temp Class	Network Freq	Network Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	75.00 kW	1489 r/min	79.60 A	0.810	96.70 %	481.00 N·m	8.60
D	--	50 Hz	400 V	75.00 kW	1490 r/min	137.00 A	0.810	96.70 %	481.00 N·m	8.60
D	--	50 Hz	415 V	75.00 kW	1490 r/min	134.00 A	0.800	96.70 %	481.00 N·m	9.00
D	--	60 Hz	460 V	75.00 kW	1791 r/min	121.00 A	0.800	96.90 %	400.00 N·m	9.80
Y	--	50 Hz	660 V	75.00 kW	1488 r/min	81.80 A	0.830	96.70 %	481.00 N·m	7.90
D	--	50 Hz	380 V	75.00 kW	1488 r/min	142.00 A	0.830	96.70 %	481.00 N·m	7.90

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 IE5 Full Load (100%) 96.7 % Partial Load (75%) 96.9 % Partial Load (50%) 96.4 %
IE Class Data (60 Hz):	IE Class IE5 Full Load (100%) 96.9 % Partial Load (75%) 96.9 % Partial Load (50%) 96.2 %
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:	280
Bearing:	6316/C3
Bearing NDE:	6316/C3
IM Class:	IMB5 IM3001

Terminator Box Location: D-End top

Dimensions

Product Net Depth / Length: 1088 mm

Product Net Height: 766 mm

Product Net Width: 577 mm

Product Net Weight: 729.5 kg

Gross Weight: 749.5 kg

Environmental

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

External Classifications and Standards

UNSPSC: 26101100

Categories

Products > Motors and Generators > IEC Low Voltage AC Motors > Process Performance Motors > IE5 Ultra Premium Efficiency Cast Iron Motors

