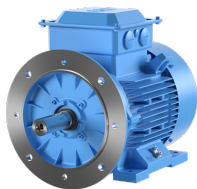


PRODUCT-DETAILS

# 3GBA161430-HSD

## IE3 Premium Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBA161430-HSD)



General Information	
Product ID	3GBA161430-HSD
ABB Type Designation	M2BAX 160MLC 2
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 18.5 kW, 400 V (3GBA161430-HSD)

Ordering	
ABB Type Designation	M2BAX 160MLC 2
Invoice Description	M2BAX 160MLC 2
Product Name	3-Phase squirrel cage motor
Product Type	EBA3_M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Poland (PL)
Customs Tariff Number	85015230
Medium Description	18.5kW, 2 Poles, Frame Size 160, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB35/IM2001 Mounting (3GBA161430-HSD)
Short Description	18.5kW, 2P, Frame Size 160, 3PH, 400V, 50Hz, IP55, IMB35/IM2001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	400 V	18.50 kW	2949 r/min	32.00 A	0.900	92.40 %	59.81 N·m	9.00
D	--	50 Hz	230 V	18.50 kW	2949 r/min	55.50 A	0.900	92.40 %	59.81 N·m	9.00
Y	--	50 Hz	380 V	18.50 kW	2939 r/min	33.50 A	0.910	92.40 %	59.93 N·m	8.10
D	--	50 Hz	220 V	18.50 kW	2939 r/min	57.70 A	0.910	92.40 %	59.93 N·m	8.10
Y	--	60 Hz	440 V	18.50 kW	3551 r/min	28.80 A	0.900	91.70 %	49.70 N·m	9.60
Y	--	60 Hz	460 V	18.50 kW	3555 r/min	27.90 A	0.890	91.70 %	49.64 N·m	10.50

Connection Configuration	Y
Temperature Class Default	--
Input Voltage (U <sub>in</sub> )	400 V
Frequency (f)	50 Hz
Output Power	18.5 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 92.4 % Partial Load (75%) 93.0 % Partial Load (50%) 92.6 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 91.7 % Partial Load (75%) 91.9 % Partial Load (50%) 90.7 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	2
Two Speed Motor	No
Type of Duty	S1
Voltage Code	S

Mechanical

Frame Material	Cast Iron
Frame Size	160
Bearing	6209-2Z/C3
Bearing NDE	6209-2Z/C3
IM Class	IMB35 IM2001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth /	683.5 mm

Length	
Product Net Height	413 mm
Product Net Width	310 mm
Product Net Weight	144 kg
Gross Weight	154 kg

Environmental	
WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	d19446d4-4db6-4ddb-826d-2341a0f7dd46 Finland (FI)

Classifications	
UNSPSC	26101100

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

