



 PRODUCT-DETAILS

3GBP353830-AEK

IE3 Premium Efficiency Cast Iron Motors, 400 kW, 500 V (3GBP353830-AEK)



General Information

Product ID	3GBP353830-AEK
ABB Type Designation	M3BP 355LKC 6
Catalog Description	IE3 Premium Efficiency Cast Iron Motors, 400 kW, 500 V (3GBP353830-AEK)

Ordering

ABB Type Designation	M3BP 355LKC 6
Invoice Description	M3BP 355LKC 6
Product Name	3-Phase squirrel cage motor
Product Type	3BP3__M3BP_IE3_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	Finland (FI)
Customs Tariff Number	85015394
Medium Description	400kW, 6 Poles, Frame Size 355, 3 Phases, 500V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP353830-AEK)
Short Description	400kW, 6P, Frame Size 355, 3PH, 500V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
D	--	50 Hz	500 V	400.00 kW	992 r/min	580.00 A	0.830	95.80 %	3850.00 N·m	7.40
D	--	60 Hz	575 V	400.00 kW	1193 r/min	511.00 A	0.820	95.80 %	3200.00 N·m	8.50

Connection Configuration	D
Temperature Class Default	--
Input Voltage (U _{in})	500 V
Frequency (f)	50 Hz
Output Power	400 kW
Altitude	1000 m
Ambient Temperature	40 °C
IC Class	IC411
IE Class Data (50 Hz)	IE Class IE3 Full Load (100%) 95.8 % Partial Load (75%) 95.7 % Partial Load (50%) 95.2 %
IE Class Data (60 Hz)	IE Class IE3 Full Load (100%) 95.8 % Partial Load (75%) 95.5 % Partial Load (50%) 94.6 %
IP Class	IP55
Insulation Class	ICLF
Direction of Rotation	Both sides
Number of Poles (High)	6
Two Speed Motor	No
Type of Duty	S1
Voltage Code	E

Mechanical

Frame Material	Cast Iron
Frame Size	355
Bearing	6322/C3
Bearing NDE	6316/C3
IM Class	IMB3 IM1001
Terminator Box Location	D-End top

Dimensions

Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	1834 mm
Product Net Height	958 mm
Product Net Width	700 mm
Product Net Weight	2600 kg
Gross Weight	0 kg

Environmental

WEEE Category	4. Large Equipment (Any External Dimension More Than 50 cm)
SCIP	54c45c7b-7581-40ab-b615-c1dcb277d8a7 Finland (FI)

Classifications

UNSPSC

26101100
39120000

Categories

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

