

PRODUCT-DETAILS

3GBA281240-ADH

IE2 High Efficiency Cast Iron Motors, 75 kW,
400 V (3GBA281240-ADH)



General Information

Product ID	3GBA281240-ADH
ABB Type Designation	M2BAX 280SMD 2
Catalog Description	IE2 High Efficiency Cast Iron Motors, 75 kW, 400 V (3GBA281240-ADH)

Ordering

ABB Type Designation	M2BAX 280SMD 2
Invoice Description	M2BAX 280SMD 2
Product Name	3-Phase squirrel cage motor
Product Type	EBA2__M2BAX_CI
Made To Order	No
Minimum Order Quantity	1 piece
Order Multiple	1 piece
Selling Unit of Measure	piece
Country of Origin	China (CN) India (IN) Poland (PL)
Customs Tariff Number	85015290
Replaced Product ID (OLD)	3GBA281110-ADL 3GBA281110-ADC
Medium Description	75kW, 2 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure,

IMB3/IM1001 Mounting (3GBA281240-ADH)

Short Description 75kW, 2P, Frame Size 280, 3PH, 400V, 50Hz, IP55, IMB3/IM1001

Electrical

Electrical Data

Conn	Temp Class	Freq	Voltage	Power	Speed	Current	Power Factor	Efficiency	Torque	IS/IN
Y	--	50 Hz	690 V	75.00 kW	2971 r/min	75.20 A	0.890	93.80 %	241.00 N·m	7.70
D	--	50 Hz	400 V	75.00 kW	2971 r/min	129.00 A	0.890	93.80 %	241.00 N·m	7.70
Y	--	50 Hz	660 V	75.00 kW	2966 r/min	77.80 A	0.900	93.80 %	241.00 N·m	7.10
D	--	50 Hz	380 V	75.00 kW	2966 r/min	135.00 A	0.900	93.80 %	241.00 N·m	7.10
D	--	60 Hz	440 V	75.00 kW	3572 r/min	117.00 A	0.900	93.60 %	200.00 N·m	8.80
D	--	60 Hz	460 V	75.00 kW	3575 r/min	113.00 A	0.890	93.60 %	200.00 N·m	9.60

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 IE2 Full Load (100%) 93.8 % Partial Load (75%) 94.0 % Partial Load (50%) 93.9 %
IE Class Data (60 Hz)	IE Class IE2 Full Load (100%) 93.6 % Partial Load (75%) 93.1 % Partial Load (50%) 91.6 %
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	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	
Package Level 1 Units	0 pallet (lift)
Product Net Depth / Length	982 mm
Product Net Height	775 mm
Product Net Width	571 mm
Product Net Weight	527 kg
Gross Weight	547 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 → IE2 High Efficiency Cast Iron Motors

