



PRODUCT-DETAILS

3GBP286220-ADG

IE2 High Efficiency Cast Iron Motors, 30 kW,
400 V (3GBP286220-ADG)



General Information

| | |
|-----------------------|---|
| Product ID: | 3GBP286220-ADG |
| ABB Type Designation: | M3BP 280SMB 12 |
| Catalog Description: | IE2 High Efficiency Cast Iron Motors, 30 kW, 400 V (3GBP286220-ADG) |
| Display Name: | 3GBP286220-ADG |

Ordering

| | |
|------------------------|-----------------------------|
| ABB Type Designation: | M3BP 280SMB 12 |
| Invoice Description: | M3BP 280SMB 12 |
| Product Name: | 3-Phase squirrel cage motor |
| Product Type: | 3BP2__M3BP_IE2_CI |
| Country of Origin: | Finland China Poland |
| Customs Tariff Number: | 85015230 |

| | |
|----------------------------|---|
| Medium Description: | 30kW, 12 Poles, Frame Size 280, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP286220-ADG) |
| Short Description: | 30kW, 12P, Frame Size 280, 3PH, 400V, 50Hz, IP55, IMB3/IM1001 |

Electrical

| Conn | Temp Class | Network Freq | Network Voltage | Power | Speed | Current | Power Factor | Efficiency | Torque | IS/IN |
|------|------------|--------------|-----------------|----------|-----------|---------|--------------|------------|------------|-------|
| Y | -- | 50 Hz | 690 V | 30.00 kW | 493 r/min | 45.90 A | 0.600 | 90.80 % | 581.00 N-m | 5.90 |
| D | -- | 50 Hz | 400 V | 30.00 kW | 493 r/min | 79.50 A | 0.600 | 90.80 % | 581.00 N-m | 5.90 |
| D | -- | 50 Hz | 415 V | 30.00 kW | 494 r/min | 80.80 A | 0.570 | 90.50 % | 580.00 N-m | 6.10 |

| | |
|--|--|
| Connection Configuration: | D |
| Temperature Class Default: | -- |
| Input Voltage (U_{in}): | 400 V |
| Frequency (f): | 50 Hz |
| Output Power: | 30 kW |
| Altitude: | 1000 m |
| Ambient Temperature: | 40 °C |
| IC Class: | IC411 |
| IE Class Data (50 Hz): | IE Class NA Full Load (100%) 90.5 % Partial Load (75%) 90.2 % Partial Load (50%) 87.3 % |
| IP Class: | IP55 |
| Insulation Class: | ICLF |
| Direction of Rotation: | Both sides |
| Number of Poles (High): | 12 |
| 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: | Top |

Dimensions

| | |
|------------------------------------|---------|
| Product Net Depth / Length: | 1088 mm |
| Product Net Height: | 762 mm |
| Product Net Width: | 577 mm |
| Product Net Weight: | 645 kg |
| Gross Weight: | 665 kg |

Environmental

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

External Classifications and Standards

| | |
|----------------|----------------------|
| UNSPSC: | 26101100 39120000 |
|----------------|----------------------|

Categories

Products > Motors and Generators > IEC Low Voltage AC Motors > Process Performance Motors > IE2 High Efficiency Cast Iron Motors

