

## PRODUCT-DETAILS

# 3GAA094100-CSE

## M3AA 90S 8



### General Information

|                      |                |
|----------------------|----------------|
| Product ID           | 3GAA094100-CSE |
| ABB Type Designation | M3AA 90S 8     |
| Catalog Description  | M3AA 90S 8     |

### Additional Information

|                       |                                           |
|-----------------------|-------------------------------------------|
| ABB Type Designation  | M3AA 90S 8                                |
| Altitude              | 1000 m                                    |
| Ambient Temperature   | 40 °C                                     |
| Bearing               | 6205-2Z/C3                                |
| Bearing NDE           | 6204-2Z/C3                                |
| Country of Origin     | Finland (FI)<br>China (CN)<br>Poland (PL) |
| Customs Tariff Number | 85015100                                  |

#### Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed     | Current | Power Factor | Efficiency | Torque   | IS/IN |
|------|------------|-------|---------|---------|-----------|---------|--------------|------------|----------|-------|
| Y    | --         | 50 Hz | 400 V   | 0.37 kW | 695 r/min | 1.65 A  | 0.570        | 56.10 %    | 5.08 N·m | 2.70  |
| D    | --         | 50 Hz | 230 V   | 0.37 kW | 695 r/min | 2.86 A  | 0.570        | 56.10 %    | 5.08 N·m | 2.70  |
| Y    | --         | 60 Hz | 460 V   | 0.37 kW | 851 r/min | 1.56 A  | 0.500        | 58.00 %    | 4.15 N·m | 3.00  |

|              |       |
|--------------|-------|
| Gross Weight | 16 kg |
| IC Class     | IC411 |

|                               |                                                            |
|-------------------------------|------------------------------------------------------------|
| IE Class Data (50 Hz)         | IE Class IE2                                               |
|                               | Full Load (100%) 56.1 %                                    |
|                               | Partial Load (75%) 55.3 %                                  |
|                               | Partial Load (50%) 48.6 %                                  |
| IE Class Data (60 Hz)         | IE Class IE2                                               |
|                               | Full Load (100%) 58.0 %                                    |
|                               | Partial Load (75%) 55.6 %                                  |
|                               | Partial Load (50%) 47.7 %                                  |
| IM Class                      | IMB14 IM3601                                               |
| IP Class                      | IP55                                                       |
| Insulation Class              | ICLF                                                       |
| Invoice Description           | M3AA 90S 8                                                 |
| Made To Order                 | No                                                         |
| Minimum Order Quantity        | 1 piece                                                    |
| Number of Poles (High)        | 8                                                          |
| Order Multiple                | 1 piece                                                    |
| Package Level 1 Units         | 0 carton                                                   |
| Pre Modified Motor Product ID | 3GAA094100-BSE                                             |
| Product Name                  | 3-Phase squirrel cage motor                                |
| Product Net Weight            | 13 kg                                                      |
| Product Type                  | 3AA2__M3AA_IE2_AA                                          |
| Quote Only                    | No                                                         |
| Replaced Product ID (OLD)     | 3GAA094061-CSA                                             |
| SCIP                          | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)          |
| Selling Unit of Measure       | piece                                                      |
| Stocked At (Warehouses)       | Menden, Germany<br>Shanghai, China                         |
| Temperature Class Default     | --                                                         |
| Terminator Box Location       | Top                                                        |
| Two Speed Motor               | No                                                         |
| Type of Duty                  | S1                                                         |
| UNSPSC                        | 26101100                                                   |
| Voltage Code                  | S                                                          |
| WEEE Category                 | 5. Small Equipment (No External Dimension More Than 50 cm) |

Categories

Motors and Generators → IEC Low Voltage AC Motors → General Performance Motors → IE2 High Efficiency Aluminum Motors  
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