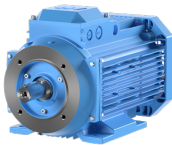


PRODUCT-DETAILS

3GAA098509-BSF  
(3GAA098509-BSF)



| General Information  |                  |
|----------------------|------------------|
| Product ID           | 3GAA098509-BSF   |
| ABB Type Designation | M3AA 90L 4-8     |
| Catalog Description  | (3GAA098509-BSF) |

| Ordering                |                             |
|-------------------------|-----------------------------|
| ABB Type Designation    | M3AA 90L 4-8                |
| Invoice Description     | M3AA 90L 4-8                |
| Product Name            | 3-Phase squirrel cage motor |
| Product Type            | 3AA2_M3AA_IE2_AA            |
| Made To Order           | No                          |
| Minimum Order Quantity  | 1 piece                     |
| Order Multiple          | 1 piece                     |
| Selling Unit of Measure | piece                       |
| Country of Origin       | Finland (FI)<br>Poland (PL) |
| Customs Tariff Number   | 85015220                    |

| Electrical |  |
|------------|--|
|------------|--|

Electrical Data

| Conn | Temp Class | Freq  | Voltage | Power   | Speed      | Current | Power Factor | Efficiency | Torque    | IS/IN |
|------|------------|-------|---------|---------|------------|---------|--------------|------------|-----------|-------|
| Y    | --         | 50 Hz | 230 V   | 1.70 kW | 1403 r/min | 7.00 A  | 0.820        | 74.00 %    | 11.57 N·m | 4.50  |
| Y    | --         | 50 Hz | 230 V   | 0.35 kW | 692 r/min  | 2.57 A  | 0.600        | 57.00 %    | 4.83 N·m  | 2.50  |

|                        |  |
|------------------------|--|
| Temperature Class      | --   |
| Default                |  |
| Altitude               | 1000 m   |
| Ambient Temperature    | 40 °C  |
| IC Class               | IC411  |
| IE Class Data (50 Hz)  | IE Class NA<br>Full Load (100%) 57.0 %<br>Partial Load (75%) 53.0 %<br>Partial Load (50%) 46.3 % |
| IP Class               | IP55   |
| Insulation Class       | ICLF   |
| Direction of Rotation  | Both sides   |
| Number of Poles (High) | 4  |
| Two Speed Motor        | Yes  |
| Type of Duty           | S1   |
| Voltage Code           | S  |

|                         |             |
|-------------------------|-------------|
| Mechanical              |             |
| Frame Material          | Aluminum    |
| Frame Size              | 90          |
| Bearing                 | 6205-2Z/C3  |
| Bearing NDE             | 6204-2Z/C3  |
| IM Class                | IMB5 IM3001 |
| Terminator Box Location | D-End top   |

|                       |          |
|-----------------------|----------|
| Dimensions            |          |
| Package Level 1 Units | 0 carton |
| Product Net Weight    | 16 kg    |
| Gross Weight          | 19 kg    |

|               |  |
|---------------|--|
| Environmental |  |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| SCIP          | 27ac6190-e1ce-4080-8654-6552aaabbe58 Finland (FI)          |

|                 |          |
|-----------------|----------|
| Classifications |          |
| UNSPSC          | 26101100 |

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## Categories

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

