

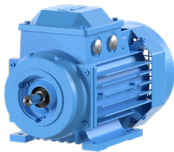


PRODUCT-DETAILS

3GBP082450-ADL

IE3 Premium Efficiency Cast Iron Motors, 0.75 kW, 400 V (3GBP082450-ADL)

For sale but "Obsolete", replaced by



| General Information  |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Product ID           | 3GBP082450-ADL                                                           |
| ABB Type Designation | M3BP 80MLE 4                                                             |
| Catalog Description  | IE3 Premium Efficiency Cast Iron Motors, 0.75 kW, 400 V (3GBP082450-ADL) |

| Ordering                |                             |
|-------------------------|-----------------------------|
| ABB Type Designation    | M3BP 80MLE 4                |
| Invoice Description     | M3BP 80MLE 4                |
| Product Name            | 3-Phase squirrel cage motor |
| Product Type            | 5BP3 M3BP CI                |
| Made To Order           | No                          |
| Minimum Order Quantity  | 1 piece                     |
| Order Multiple          | 1 piece                     |
| Selling Unit of Measure | piece                       |
| Country of Origin       | Finland (FI)<br>China (CN)  |
| Customs Tariff Number   | 85015220                    |
| Stocked At              | Shanghai, China             |

|                    |                                                                                                             |
|--------------------|-------------------------------------------------------------------------------------------------------------|
| (Warehouses)       |                                                                                                             |
| Medium Description | 0.75kW, 4 Poles, Frame Size 80, 3 Phases, 400V, 50Hz, IP55 Enclosure, IMB3/IM1001 Mounting (3GBP082450-ADL) |
| Short Description  | 0.75kW, 4P, Frame Size 80, 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   | 0.75 kW | 1448 r/min | 0.95 A  | 0.780        | 82.50 %    | 4.90 N·m | 7.40  |                                                                                                   |
| D                                | --         | 50 Hz | 400 V   | 0.75 kW | 1448 r/min | 1.70 A  | 0.780        | 82.50 %    | 4.90 N·m | 7.40  |                                                                                                   |
| D                                | --         | 50 Hz | 415 V   | 0.75 kW | 1451 r/min | 1.60 A  | 0.760        | 82.50 %    | 4.90 N·m | 7.70  |                                                                                                   |
| Connection Configuration         |            |       |         |         |            |         |              |            |          |       | D                                                                                                 |
| Temperature Class Default        |            |       |         |         |            |         |              |            |          |       | --                                                                                                |
| Input Voltage (U <sub>in</sub> ) |            |       |         |         |            |         |              |            |          |       | 400 V                                                                                             |
| Frequency (f)                    |            |       |         |         |            |         |              |            |          |       | 50 Hz                                                                                             |
| Output Power                     |            |       |         |         |            |         |              |            |          |       | 0.75 kW                                                                                           |
| Altitude                         |            |       |         |         |            |         |              |            |          |       | 1000 m                                                                                            |
| Ambient Temperature              |            |       |         |         |            |         |              |            |          |       | 40 °C                                                                                             |
| IC Class                         |            |       |         |         |            |         |              |            |          |       | IC411                                                                                             |
| IE Class Data (50 Hz)            |            |       |         |         |            |         |              |            |          |       | IE Class IE3<br>Full Load (100%) 82.5 %<br>Partial Load (75%) 82.4 %<br>Partial Load (50%) 80.0 % |
| IE Class Data (60 Hz)            |            |       |         |         |            |         |              |            |          |       | IE Class IE3<br>Full Load (100%) 83.5 %<br>Partial Load (75%) 82.9 %<br>Partial Load (50%) 79.8 % |
| IP Class                         |            |       |         |         |            |         |              |            |          |       | IP55                                                                                              |
| Insulation Class                 |            |       |         |         |            |         |              |            |          |       | ICLF                                                                                              |
| Direction of Rotation            |            |       |         |         |            |         |              |            |          |       | Both sides                                                                                        |
| Number of Poles (High)           |            |       |         |         |            |         |              |            |          |       | 4                                                                                                 |
| Two Speed Motor                  |            |       |         |         |            |         |              |            |          |       | No                                                                                                |
| Type of Duty                     |            |       |         |         |            |         |              |            |          |       | S1                                                                                                |
| Voltage Code                     |            |       |         |         |            |         |              |            |          |       | D                                                                                                 |

Mechanical

|                         |             |
|-------------------------|-------------|
| Frame Material          | Cast Iron   |
| Frame Size              | 80          |
| Bearing                 | 6204-2Z/C3  |
| Bearing NDE             | 6203-2Z/C3  |
| IM Class                | IMB3 IM1001 |
| Terminator Box Location | D-End top   |

Dimensions

|                       |          |
|-----------------------|----------|
| Package Level 1 Units | 0 carton |
| Product Net Depth /   | 363 mm   |

|                    |        |
|--------------------|--------|
| Length             |        |
| Product Net Height | 194 mm |
| Product Net Width  | 154 mm |
| Product Net Weight | 22 kg  |
| Gross Weight       | 25 kg  |

|               |                                                            |
|---------------|------------------------------------------------------------|
| Environmental |                                                            |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |

|                 |                      |
|-----------------|----------------------|
| Classifications |                      |
| UNSPSC          | 26101100<br>39120000 |

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

