

## SINGLE-PHASE MOTOR FBSP 63 A 2

AB06A4100003

### General data

|                          |                                  |
|--------------------------|----------------------------------|
| Type of motor            | 1~                               |
| Type designation         | FBSP                             |
| Frame size               | 63                               |
| Mounting                 | B34a                             |
| Frame material           | Aluminium                        |
| Insulationclass          | F/B                              |
| Terminal box location    | top DE                           |
| Terminal box orientation | cable gland to the back side NDE |
| Weight (kg)              | 3.9                              |
| Rotation Direction       | Clockwise                        |
| Vibration level          | A                                |
| Balancing method         | half key                         |
| cooling type             | IC411                            |
| Executed acc. to         | IEC 60034-1                      |
| noise level              | IEC 60034-9                      |

### Influential factors

|                          |               |
|--------------------------|---------------|
| Duty                     | S1            |
| Ambient temperature (°C) | -20 up to +40 |
| Height of location (m)   | 1000          |

### Electrical specification

|                                                           |        |
|-----------------------------------------------------------|--------|
| Power 1 50Hz (kW)                                         | 0.18   |
| Frequency (Hz)                                            | 50     |
| Voltage 50Hz (V)                                          | 230    |
| Voltage/Frequency tolerance (not valid for range voltage) | +/-10% |
| Poles                                                     | 2      |
| Efficiency 100% 50Hz (%)                                  | 60,0   |
| Power factor                                              | 0,92   |
| Starting current factor                                   | 3,4    |
| Starting torque factor                                    | 0,4    |
| Tilting moment factor                                     | 0,4    |
| Rated current 50Hz (A)                                    | 1,42   |

### Mechanical data

|                          |               |
|--------------------------|---------------|
| Torque (Nm)              | 0,61          |
| Rotation speed (1/min)   | 2800          |
| Bearing DE               | 6201.ZZ.C3    |
| Bearing NDE              | 6201.ZZ.C3    |
| Mounting of bearing DE   | loose bearing |
| Mounting of bearing NDE  | loose bearing |
| Bearing lifetime         | 20000         |
| allow. Radial load (X/2) | 300           |
| allow. Radial load (X0)  | 325           |

### Mechanical data

|                                     |          |
|-------------------------------------|----------|
| allow. Radial load (Xmax)           | 275      |
| allow. Axial load B3,B5,B35,B14,B34 | 250      |
| allow. Axial load V1,V3,V19,V18     | 235      |
| Moment of inertia                   | 0,000738 |

### Motor properties

|                                     |             |
|-------------------------------------|-------------|
| Color                               | RAL7030     |
| Paint surface                       | shiny       |
| Protection class                    | IP55        |
| Cable gland size (cable connection) | 1xM16       |
| Cable gland type                    | Standard    |
| Shaft end                           | 11 x 23     |
| Shaft material                      | C45         |
| Specification NDE                   | Plastic fan |
| Flange                              | 90          |

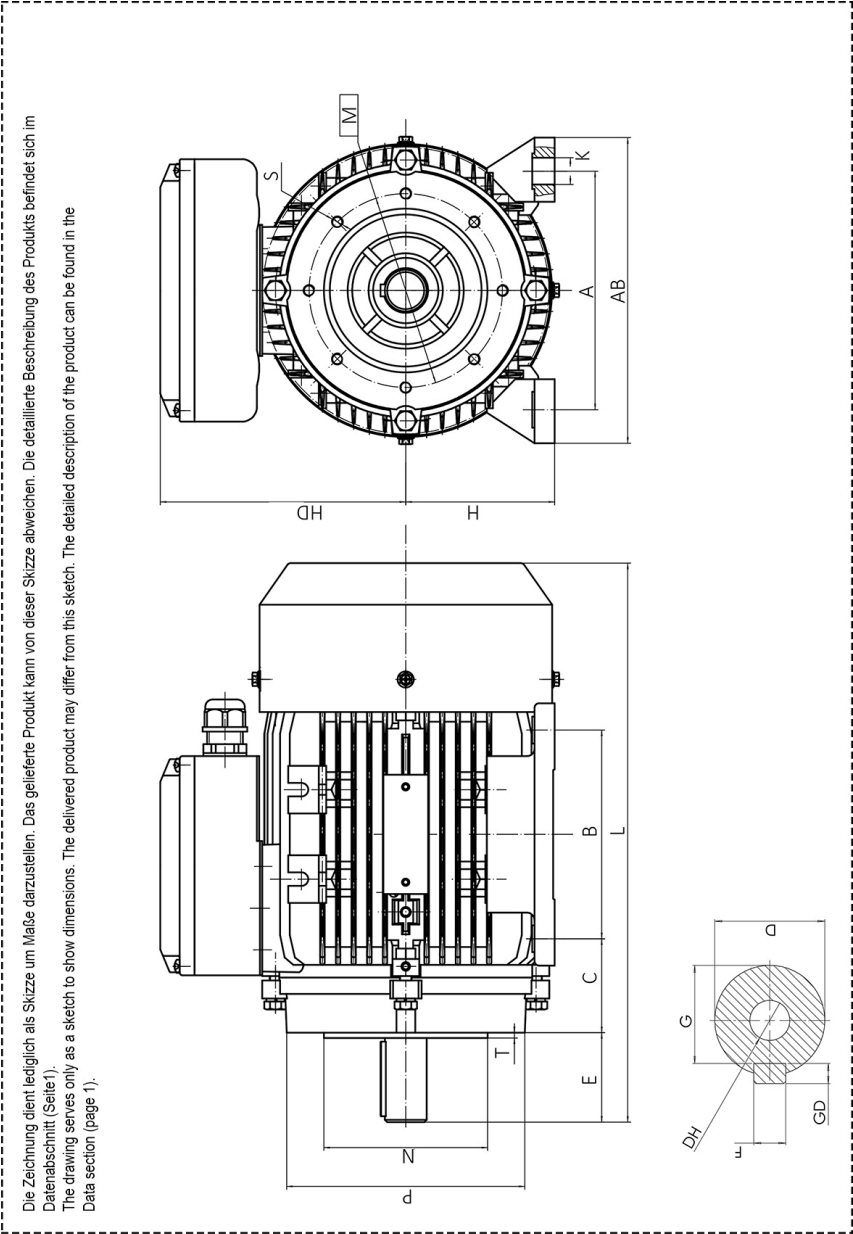
### Motor properties Single-phase

|               |             |
|---------------|-------------|
| Capacitor     | BK          |
| O.C. Capacity | 8 myF/450 V |

Dimension drawings

Single-phase motor FBSP 63 A 2

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| A   | AB  | B  | C  | D  | E  | H  | HD  | L   | M  | N  | P  | S  | T | F | G   | DH    |
|-----|-----|----|----|----|----|----|-----|-----|----|----|----|----|---|---|-----|-------|
| 100 | 125 | 80 | 40 | 11 | 23 | 63 | 122 | 215 | 75 | 60 | 90 | M5 | 3 | 4 | 8,5 | M4x12 |