

## SINGLE-PHASE MOTOR ACM 71 B 2 /HE

IE2FG07B2000

### General data

|                          |                               |
|--------------------------|-------------------------------|
| Type of motor            | 1~                            |
| Type designation         | ACM                           |
| Frame size               | 71                            |
| Mounting                 | B3                            |
| Frame material           | Aluminium                     |
| Insulationclass          | F/B                           |
| Terminal box location    | top DE                        |
| Terminal box orientation | cable gland to the right side |
| Weight (kg)              | 7.3                           |
| 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)                                         | 0.55  |
| Frequency (Hz)                                            | 50    |
| Voltage 50Hz (V)                                          | 230   |
| Voltage/Frequency tolerance (not valid for range voltage) | +/-5% |
| Poles                                                     | 2     |
| Efficiency 100% 50Hz (%)                                  | 74,1  |
| Power factor                                              | 0,96  |
| Starting current factor                                   | 4,4   |
| Starting torque factor                                    | 0,35  |
| Tilting moment factor                                     | 1,7   |
| Rated current 50Hz (A)                                    | 3,6   |
| Eff.Cl.50Hz                                               | IE2   |

### Mechanical data

|                          |               |
|--------------------------|---------------|
| Torque (Nm)              | 1,88          |
| Rotation speed (1/min)   | 2800          |
| Bearing DE               | 6202.2RS.C3   |
| Bearing NDE              | 6202.2RS.C3   |
| Mounting of bearing DE   | loose bearing |
| Mounting of bearing NDE  | loose bearing |
| Bearing lifetime         | 20000         |
| allow. Radial load (X/2) | 412           |

### Mechanical data

|                                     |     |
|-------------------------------------|-----|
| allow. Radial load (X0)             | 450 |
| allow. Radial load (Xmax)           | 375 |
| allow. Axial load B3,B5,B35,B14,B34 | 400 |
| allow. Axial load V1,V3,V19,V18     | 380 |

### Motor properties

|                                     |             |
|-------------------------------------|-------------|
| Color                               | RAL7030     |
| Paint surface                       | shiny       |
| Protection class                    | IP55        |
| Cable gland size (cable connection) | PG11        |
| Cable gland type                    | Standard    |
| Shaft end                           | 14 x 30     |
| Shaft material                      | C45         |
| Specification NDE                   | Plastic fan |

### Motor properties Single-phase

|                  |                  |
|------------------|------------------|
| Capacitor        | BK               |
| O.C. Capacity    | 16 myF/450 V     |
| run-up switching | electronic relay |

Dimension drawings

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 **ac motore**