

## THREE-PHASE-ASYNCHRONOUS-MOTOR ACA 132 M

AC13M6800000

### General data

|                          |                               |
|--------------------------|-------------------------------|
| Type of motor            | 3~ multi speed                |
| Type designation         | ACA                           |
| Frame size               | 132                           |
| Mounting                 | B3                            |
| Frame execution          | M                             |
| Frame material           | Aluminium                     |
| Insulationclass          | F/B                           |
| Terminal box location    | top DE                        |
| Terminal box orientation | cable gland to the right side |
| Weight (kg)              | 56                            |
| Rotation Direction       | right /left                   |
| Vibration level          | A                             |
| Balancing method         | half key                      |
| cooling type             | IC411                         |
| Executed acc. to         | IEC 60034-1                   |
| noise level              | IEC 60034-9                   |

### General data double-speed motors

|                   |     |
|-------------------|-----|
| Power 2 50Hz (kW) | 1.6 |
|-------------------|-----|

### Influential factors

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

### Electrical specification

|                                                           |           |
|-----------------------------------------------------------|-----------|
| Power 1 50Hz (kW)                                         | 3.3       |
| Frequency (Hz)                                            | 50        |
| Voltage 50Hz (V)                                          | 400       |
| Voltage/Frequency tolerance (not valid for range voltage) | +/-10%    |
| Connection                                                | Y/Y       |
| Efficiency 100% 50Hz (%)                                  | 80/67     |
| Power factor                                              | 0,76/0,60 |
| Starting current factor                                   | 7,0/6,0   |
| Starting torque factor                                    | 1,8/1,5   |
| Tilting moment factor                                     | 2,1       |
| Rated current 50Hz (A)                                    | 7,00/6,00 |

### Mechanical data

|                        |               |
|------------------------|---------------|
| Rotation speed (1/min) | 965/725       |
| Bearing DE             | 6308.ZZ.C3    |
| Bearing NDE            | 6308.ZZ.C3    |
| Mounting of bearing DE | loose bearing |

### Mechanical data

|                                     |               |
|-------------------------------------|---------------|
| Mounting of bearing NDE             | loose bearing |
| Bearing lifetime                    | 20000         |
| allow. Radial load (X/2)            | 1700          |
| allow. Radial load (X0)             | 1900          |
| allow. Radial load (Xmax)           | 1500          |
| allow. Axial load B3,B5,B35,B14,B34 | 1450          |
| allow. Axial load V1,V3,V19,V18     | 1400          |

### Motor properties

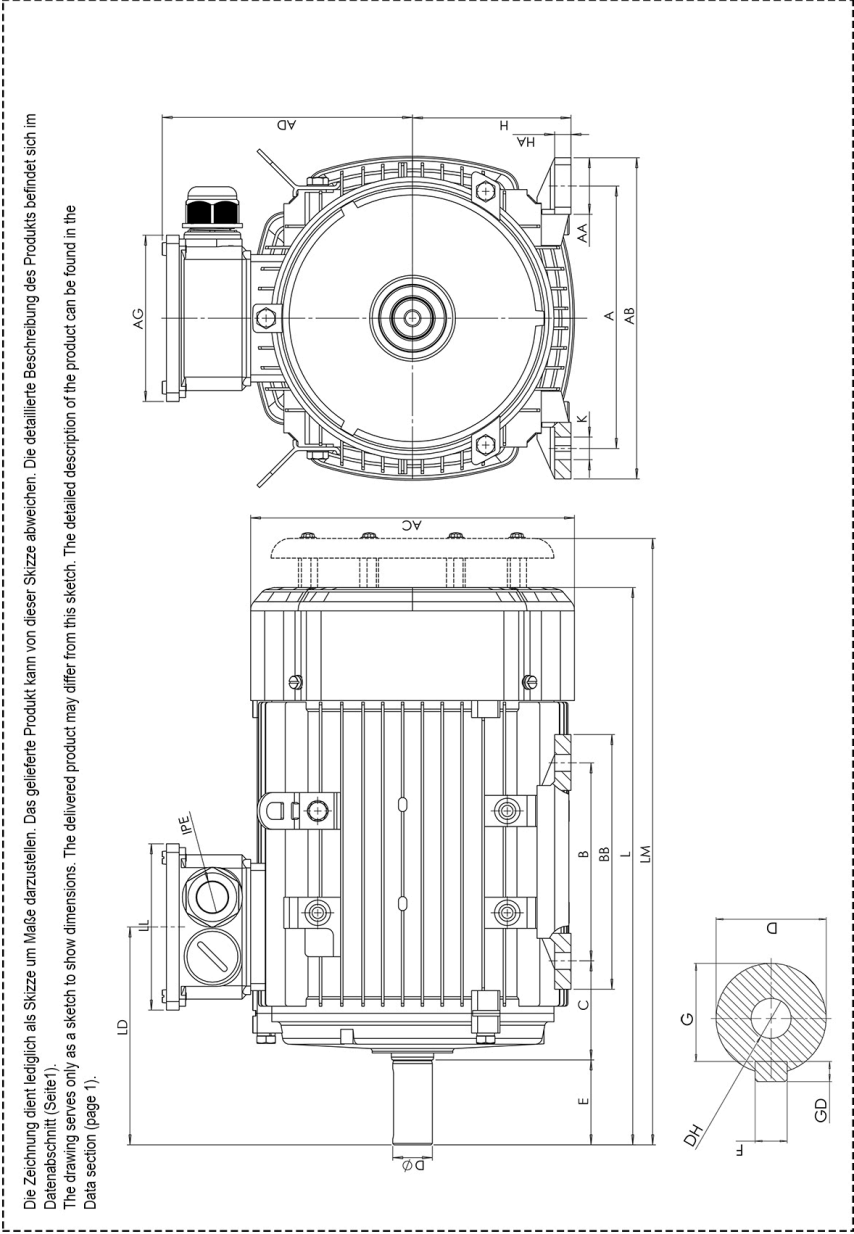
|                                     |                        |
|-------------------------------------|------------------------|
| Color                               | RAL7030                |
| Paint surface                       | shiny                  |
| Protection class                    | IP55                   |
| Cable gland size (cable connection) | 1xM32x1,5 1xblind plug |
| Cable gland size (option)           | M16x1,5                |
| Cable gland type                    | Standard               |
| Shaft end                           | 38 x 80                |
| Shaft material                      | C45                    |
| Specification NDE                   | Plastic fan            |

### Additional option

|                    |             |
|--------------------|-------------|
| Protection winding | 2xPTC 150°C |
|--------------------|-------------|

## Dimension drawings

# Three-Phase-Asynchronous-Motor ACA 132 M AC13M6800000



| A   | AA | AB  | AC  | AD  | AG    | B   | BB  | C  | D  | E  | H   | HA | K     | L   | LM  | LL    | F  | G  | DH     | EB | ED  | GD |
|-----|----|-----|-----|-----|-------|-----|-----|----|----|----|-----|----|-------|-----|-----|-------|----|----|--------|----|-----|----|
| 216 | 51 | 262 | 258 | 188 | 117,5 | 178 | 224 | 89 | 38 | 80 | 132 | 15 | 12x16 | 503 | 543 | 117,5 | 10 | 33 | M12x28 | 65 | 7,5 | 8  |