

## THREE-PHASE-ASYNCHRONOUS-MOTOR E3-ASA 200 LB 4

IE3UM20L4200

### General data

|                          |                               |
|--------------------------|-------------------------------|
| Type of motor            | 3~ explosion proof            |
| Type designation         | E3-ASA                        |
| Frame size               | 200                           |
| Mounting                 | B3                            |
| Frame execution          | LB                            |
| Frame material           | Grauguß                       |
| Insulationclass          | F/F                           |
| Terminal box location    | top DE                        |
| Terminal box orientation | cable gland to the right side |
| Weight (kg)              | 368                           |
| Rotation Direction       | right /left                   |
| Vibration level          | A                             |
| Balancing method         | half key                      |
| cooling type             | IC411                         |
| Executed acc. to         | IEC 60034 -1, EN 60079-0/-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)                                         | 30          |
| Power 1 60Hz (kW)                                         | 34,5        |
| Frequency (Hz)                                            | 50/60       |
| Voltage 50Hz (V)                                          | 400/690     |
| Voltage 60Hz (V)                                          | 460/-       |
| Voltage/Frequency tolerance (not valid for range voltage) | +/-5%       |
| Connection                                                | $\Delta/Y$  |
| Poles                                                     | 4           |
| Efficiency 100% 50Hz (%)                                  | 93,6        |
| Efficiency 75% 50Hz (%)                                   | 93,4        |
| Efficiency 50% 50Hz (%)                                   | 91,8        |
| Efficiency 100% 60Hz (%)                                  | 94,5        |
| Efficiency 75% 60Hz (%)                                   | 93,5        |
| Efficiency 50% 60Hz (%)                                   | 91,9        |
| Power factor                                              | 0,79        |
| Starting current factor                                   | 8,7         |
| Starting torque factor                                    | 2,7         |
| Tilting moment factor                                     | 3,0         |
| Rated current 50Hz (A)                                    | 59,60/34,45 |
| Rated current 60Hz (A)                                    | 58,00       |
| Eff.Cl.50Hz                                               | IE3         |

### Electrical specification

|             |     |
|-------------|-----|
| Eff.Cl.60Hz | IE3 |
|-------------|-----|

### Mechanical data

|                         |               |
|-------------------------|---------------|
| Torque (Nm)             | 192,00/184,89 |
| Rotation speed (1/min)  | 1485/1782     |
| Bearing DE              |               |
| Bearing NDE             |               |
| Mounting of bearing DE  | fixed bearing |
| Mounting of bearing NDE | loose bearing |
| Bearing lifetime        | 20000         |
| Moment of inertia       | 0,31241       |

### Motor properties

|                                     |           |
|-------------------------------------|-----------|
| Color                               | RAL7030   |
| Paint surface                       | matt      |
| Protection class                    | IP55      |
| Cable gland size (cable connection) | 2xM50x1,5 |
| Cable gland size (option)           | M20x1,5   |
| Cable gland type                    | Atex      |
| Shaft end                           | 55 x 110  |
| Shaft material                      | C45       |
| Specification NDE                   | Metal fan |

### Additional option

|                    |                          |
|--------------------|--------------------------|
| Protection winding | PTC 130°C                |
| Atex               | II 2G Ex db eb IIC T4 Gb |

Dimension drawings  
Three-Phase-Asynchronous-  
Motor E3-ASA 200 LB 4  
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 **ac motore**