

Model No. 4-Pole cage motor 6RD 63B 0,18kW D230V 50Hz IM1001

| U<br>(V) | Δ / Y<br>Conn | f<br>[Hz] | P<br>[kW] | P<br>[hp] | I<br>[A] | n<br>[RPM] | T<br>[Nm] | IE<br>Class | % EFF at __ load<br>FL 3/4FL 1/2FL | PF at __ load<br>FL 3/4FL 1/2FL | I <sub>A</sub> /I <sub>N</sub><br>[pu] | T <sub>A</sub> /T <sub>N</sub><br>[pu] | T <sub>K</sub> /T <sub>N</sub><br>[pu] |
|----------|---------------|-----------|-----------|-----------|----------|------------|-----------|-------------|------------------------------------|---------------------------------|----------------------------------------|----------------------------------------|----------------------------------------|
| 230      | D             | 50        | 0,18      | 1/4       | 1,16     | 1352       | 1,3       | IE2         | 64,7                               | 0,60                            | 2,98                                   | 2,80                                   | 2,30                                   |
| 400      | Y             |           |           |           | 0,67     |            |           |             |                                    |                                 |                                        |                                        |                                        |
| 265      | D             | 60        | 0,21      | 0,282     | 1,17     | 1595       | 1,3       | IE1         | 61,6                               | 0,64                            | 3,00                                   | 2,60                                   | 2,10                                   |
| 460      | Y             |           |           |           | 0,67     |            |           |             |                                    |                                 |                                        |                                        |                                        |

|                               |                              |
|-------------------------------|------------------------------|
| Motor type                    | 6RD63B4E2                    |
| Enclosure                     | Totally Enclosed Fan Cooling |
| Frame Material                | Cast iron                    |
| Frame size                    | 63B                          |
| Duty                          | S1                           |
| Voltage                       | 230 V                        |
| Frequency                     | 50 Hz                        |
| Power output                  | 0,18 kW                      |
| Insulation class              | F                            |
| Ambient temperature           | -20 till 40 °C               |
| Temperature rise              | -                            |
| Temperature rise surface      |                              |
| Altitude above sea level      | 1000 mtr                     |
| Hazardous area classification | ExII2G Ex db eb IIC T4 Gb    |
| Te time                       | 0 sec                        |

|              |            |
|--------------|------------|
| Rotor type   | Cage motor |
| Bearing type | 6202-2Z    |

|                |           |
|----------------|-----------|
| Type of grease | Unirex N3 |
|----------------|-----------|

|                   |    |
|-------------------|----|
| Country of origin | IT |
|-------------------|----|

| Voltage/Freq  | Locked rotor<br>Torque [%<br>nom] | Starting<br>current<br>[% nom] | Pull-up<br>Torque<br>[% nom] | Breakdown<br>Torque<br>[% nom] | No-load<br>Current<br>[A] |
|---------------|-----------------------------------|--------------------------------|------------------------------|--------------------------------|---------------------------|
| @ D 230V 50Hz | 280%                              | 297%                           |                              | 230%                           | 1,03 A                    |
| @ D 265V 60Hz | 260%                              |                                |                              | 210%                           |                           |

#### NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

Voltage, Frequency are as per IEC60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.

|            |                  |               |
|------------|------------------|---------------|
| Efficiency | Europe           | Global IEC    |
| Standards  | EN-IEC: 60034-30 | IEC: 60034-30 |

This is an uncontrolled copy, data can be changed anytime.

|                        |                         |
|------------------------|-------------------------|
| Degree of protection   | IP55                    |
| Mounting type          | IM1001                  |
| Cooling method         | IC411                   |
| Motor weight - approx. | 15 kg                   |
| Gross weight - approx. | 15 kg                   |
| Motor inertia          | 0,0002 kgm <sup>2</sup> |
| Vibration level        | according IEC60034-14   |

|                       |          |
|-----------------------|----------|
| Direction of rotation | cw / ccw |
|-----------------------|----------|

Schematic presentation of torque-speed curve



P000058762  
P000061138



Driving efficiency and sustainability

