

Model No. 2-Pole cage motor 6RD 71A 0,37kW 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        | 0,37      | 1/2       | 1,8      | 2872       | 1,2       | IE2         | 69,5                               | 0,74                            | 4,74                                   | 2,50                                   | 2,70                                   |
| 400      | Y             |           |           |           | 1,04     |            |           |             |                                    |                                 |                                        |                                        |                                        |
| 265      | D             | 60        | 0,43      | 0,576     | 1,61     | 3421       | 1,2       | IE2         | 73,4 71,0 65,1                     | 0,79 0,76 0,63                  | 4,60                                   | 2,45                                   | 2,65                                   |
| 460      | Y             |           |           |           | 0,93     |            |           |             |                                    |                                 |                                        |                                        |                                        |

|                |                              |
|----------------|------------------------------|
| Motor type     | 6RD71A2E2                    |
| Enclosure      | Totally Enclosed Fan Cooling |
| Frame Material | Cast iron                    |
| Frame size     | 71A                          |
| Duty           | S1                           |
| Voltage        | 230 V                        |
| Frequency      | 50 Hz                        |
| Power output   | 0,37 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 | 6203-2Z    |

|                |           |
|----------------|-----------|
| 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 | 250%                              | 473%                           |                              | 270%                           | 0,935 A                   |
| @ D 265V 60Hz | 245%                              | 422%                           |                              | 265%                           |                           |

#### 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. | 20 kg                   |
| Gross weight - approx. | 21 kg                   |
| Motor inertia          | 0,0004 kgm <sup>2</sup> |
| Vibration level        | according IEC60034-14   |

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

Schematic presentation of torque-speed curve



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P000059383



Driving efficiency and sustainability

