

Model No. 2-Pole cage motor 6RD 112M 4kW D230V 50Hz IM2001-FF215

| 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        | 4         | 5 1/3     | 12,5     | 2903       | 13,2      | IE3         | 88,1                               | 0,90                            | 8,40                                   | 2,10                                   | 3,50                                   |
| 400      | Y             |           |           |           | 7,27     |            |           |             |                                    |                                 |                                        |                                        |                                        |
| 265      | D             | 60        | 2,2       | 3         | 6,25     | 3514       | 6,0       | IE3         | 88,3 88,2 85,1                     | 0,87 0,81 0,68                  | 6,95                                   | 1,75                                   | 2,90                                   |
| 460      | Y             |           |           |           | 3,63     |            |           |             |                                    |                                 |                                        |                                        |                                        |

|                               |                              |
|-------------------------------|------------------------------|
| Motor type                    | 6RD112M2E3                   |
| Enclosure                     | Totally Enclosed Fan Cooling |
| Frame Material                | Cast iron                    |
| Frame size                    | 112M                         |
| Duty                          | S1                           |
| Voltage                       | 230 V                        |
| Frequency                     | 50 Hz                        |
| Power output                  | 4 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    |

|                        |                         |
|------------------------|-------------------------|
| Degree of protection   | IP55                    |
| Mounting type          | IM2001-FF215            |
| Cooling method         | IC411                   |
| Motor weight - approx. | 61 kg                   |
| Gross weight - approx. | 63 kg                   |
| Motor inertia          | 0,0081 kgm <sup>2</sup> |
| Vibration level        | according IEC60034-14   |
| Direction of rotation  | cw /ccw                 |
| PTC                    | 150°C                   |

|              |            |
|--------------|------------|
| Rotor type   | Cage motor |
| Bearing type | 6306-2Z    |

|                |           |
|----------------|-----------|
| 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 | 210%                              | 840%                           |                              | 350%                           | 4,5 A                     |
| @ D 265V 60Hz | 175%                              | 694%                           |                              | 290%                           |                           |

#### NOTE

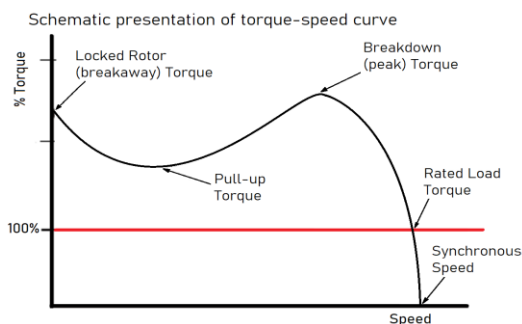
All performance values at rated voltage and frequency.

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 |



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

Driving efficiency and sustainability

