

**Model No.** 2-Pole cage motor QCA 280S 75kW D400V 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 |       |       | PF at __load |       |       | 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] |
|----------|---------------|-----------|-----------|-----------|----------|------------|-----------|-------------|------------------|-------|-------|--------------|-------|-------|----------------------------------------|----------------------------------------|----------------------------------------|
|          |               |           |           |           |          |            |           |             | FL               | 3/4FL | 1/2FL | FL           | 3/4FL | 1/2FL |                                        |                                        |                                        |
| 400      | D             | 50        | 75        | 100       | 127      | 2984       | 240,0     | IE4         | 95,6             | 95,6  | 94,2  | 0,89         |       |       | 8,00                                   | 2,30                                   | 3,90                                   |
| 690      | Y             |           |           |           | 73,3     |            |           |             |                  |       |       |              |       |       |                                        |                                        |                                        |
| 460      | D             | 60        | 86        | 115,3     | 126      | 3583       | 229,2     | IE4         | 95,0             | 95,0  | 94,5  | 0,90         |       |       | 7,90                                   | 2,20                                   | 3,70                                   |

|                               |                                     |
|-------------------------------|-------------------------------------|
| Motor type                    | <b>QCA280S2E4</b>                   |
| Enclosure                     | <b>Totally Enclosed Fan Cooling</b> |
| Frame Material                | <b>Cast iron</b>                    |
| Frame size                    | <b>280S</b>                         |
| Duty                          | <b>S1</b>                           |
| Voltage                       | <b>400 V</b>                        |
| Frequency                     | <b>50 Hz</b>                        |
| Power output                  | <b>75 kW</b>                        |
| Insulation class              | <b>F</b>                            |
| Ambient temperature           | <b>-20 till 40 °C</b>               |
| Temperature rise              | <b>-</b>                            |
| Temperature rise surface      |                                     |
| Altitude above sea level      | <b>1000 mtr</b>                     |
| Hazardous area classification | <b>Safe area</b>                    |

|                        |               |
|------------------------|---------------|
| Degree of protection   | <b>IP55</b>   |
| Mounting type          | <b>IM1001</b> |
| Cooling method         | <b>IC411</b>  |
| Motor weight - approx. | <b>710 kg</b> |
| Gross weight - approx. | <b>730 kg</b> |

Vibration level **according IEC60034-14**

Direction of rotation **cw /ccw**

**PTC 150°C**

|                    |                      |
|--------------------|----------------------|
| Rotor type         | <b>Cage motor</b>    |
| Bearing type       | <b>6314/C3</b>       |
| Lubrication method | <b>23gr/4300hrs</b>  |
| Type of grease     | <b>Chevron SRI-2</b> |

Country of origin **CN**

| Voltage/Freq  | Locked rotor<br>Torque [%<br>nom] | Starting<br>current [% nom] | Pull-up<br>Torque [% nom] | Breakdown<br>Torque [% nom] | No-load<br>Current [A] |
|---------------|-----------------------------------|-----------------------------|---------------------------|-----------------------------|------------------------|
| @ D 400V 50Hz | 230%                              | 795%                        |                           | 390%                        |                        |
| @ D 460V 60Hz | 220%                              | 793%                        |                           | 370%                        |                        |

#### NOTE

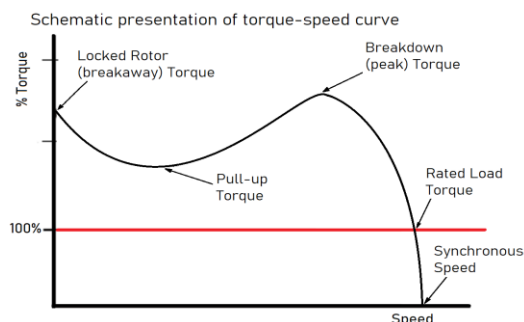
All performance values at rated voltage and frequency.

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

