

**Model No.** 6-Pole cage motor QCA 200L 18,5kW D400V 50Hz IM3011-FF350

| 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        | 18,5      | 24,8      | 36,3     | 986        | 179,2     | IE4         | 93,4             | 93,4  | 92,3  | 0,79          | 0,73  | 0,61  | 6,50                                   | 2,30                                   | 2,80                                   |
| 690      | Y             |           |           |           | 21       |            |           |             |                  |       |       |               |       |       |                                        |                                        |                                        |
| 460      | D             | 60        | 21,3      | 28,55     | 36,1     | 1186       | 171,5     | IE4         | 93,0             | 93,0  | 92,6  | 0,80          |       |       | 6,60                                   | 2,30                                   | 2,70                                   |

|                               |                              |
|-------------------------------|------------------------------|
| Motor type                    | QCA200LA6E4                  |
| Enclosure                     | Totally Enclosed Fan Cooling |
| Frame Material                | Cast iron                    |
| Frame size                    | 200L                         |
| Duty                          | S1                           |
| Voltage                       | 400 V                        |
| Frequency                     | 50 Hz                        |
| Power output                  | 18,5 kW                      |
| Insulation class              | F                            |
| Ambient temperature           | -20 till 40 °C               |
| Temperature rise              | -                            |
| Temperature rise surface      |                              |
| Altitude above sea level      | 1000 mtr                     |
| Hazardous area classification | Safe area                    |

|                    |               |
|--------------------|---------------|
| Rotor type         | Cage motor    |
| Bearing type       | 6212/C3       |
| Lubrication method | 20gr/6850hrs  |
| Type of grease     | Chevron SRI-2 |

|                   |    |
|-------------------|----|
| 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%                              | 650%                        |                           | 280%                        |                        |
| @ D 460V 60Hz | 230%                              | 659%                        |                           | 270%                        |                        |

#### 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

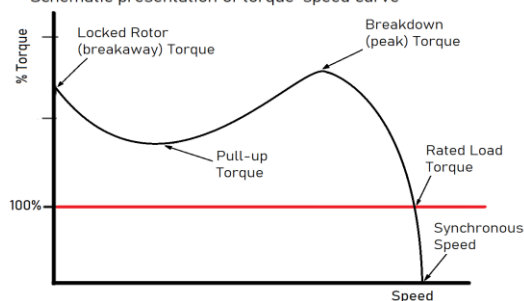
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

|            |                  |               |
|------------|------------------|---------------|
| 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          | IM3011-FF350            |
| Cooling method         | IC411                   |
| Motor weight - approx. | 290 kg                  |
| Gross weight - approx. | 300 kg                  |
| Motor inertia          | 0,6664 kgm <sup>2</sup> |
| Vibration level        | according IEC60034-14   |
| Direction of rotation  | cw /ccw                 |
|                        | PTC 150°C               |

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

