

Model No. 6-Pole cage motor 7RN 315L 250kW D400V 50Hz IM3011-FF740

| 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        | 250       | 335       | 460      | 992        | 2406,8    | IE4         | 96,5             | 96,6  | 96,3  | 0,81          | 0,76  | 0,65  | 8,20                                   | 3,20                                   | 3,30                                   |
| 460      | D             | 60        | 250       | 335       | 400      | 1194       | 1999,6    | IE4         | 96,5             | 96,4  |       | 0,81          | 0,75  |       | 9,50                                   | 3,60                                   | 3,70                                   |

|                |                              |
|----------------|------------------------------|
| Motor type     | 7RN315L06E48                 |
| Enclosure      | Totally Enclosed Fan Cooling |
| Frame Material | Cast iron                    |
| Frame size     | 315L                         |
| Duty           | S1                           |
| Voltage        | 400 V                        |
| Frequency      | 50 Hz                        |
| Power output   | 250 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       | 6319/C4      |
| Lubrication method | 40gr/6000hrs |
| Type of grease     | Unirex N3    |

|                   |    |
|-------------------|----|
| Country of origin | CZ |
|-------------------|----|

|               | 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 400V 50Hz | 320%                              | 819%                           |                              | 330%                           |                           |
| @ D 460V 60Hz | 360%                              | 950%                           |                              | 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.

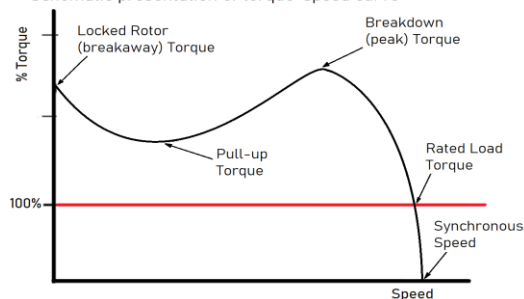
|            |                  |               |
|------------|------------------|---------------|
| Efficiency | Europe           | Global IEC    |
| Standards  | EN-IEC: 60034-30 | IEC: 60034-30 |

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

|                                    |                         |
|------------------------------------|-------------------------|
| Degree of protection               | IP55                    |
| Mounting type                      | IM3011-FF740            |
| Cooling method                     | IC411                   |
| Motor weight - approx.             | 1770 kg                 |
| Gross weight - approx.             | 1820 kg                 |
| Motor inertia                      | 7,9000 kgm <sup>2</sup> |
| Vibration level                    | according IEC60034-14   |
| Noise level (pressure) acc 60034-9 | 69 dB(A)                |

|                       |           |
|-----------------------|-----------|
| Direction of rotation | cw /ccw   |
|                       | PTC 150°C |

Schematic presentation of torque-speed curve



P000043266  
P000043267



Driving efficiency and sustainability

