

Model No. 4-Pole cage motor 6RN 132M 7,5kW D400V 50Hz IM3641-FT165

| 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        | 7,5       | 10        | 14,4     | 1470       | 48,7      | IE4         | 92,0             | 92,4  | 92,0  | 0,80          | 0,74  | 0,63  | 8,82                                   | 3,01                                   | 4,02                                   |
| 690      | Y             |           |           |           | 8,4      |            |           |             |                  |       |       |               |       |       |                                        |                                        |                                        |
| 460      | D             | 60        | 8,6       | 11,53     | 14,3     | 1770       | 46,4      | IE4         | 92,7             | 93,1  | 92,7  | 0,82          | 0,77  | 0,66  | 8,88                                   | 2,93                                   | 3,93                                   |

|                |                              |
|----------------|------------------------------|
| Motor type     | 6RN132M04E42                 |
| Enclosure      | Totally Enclosed Fan Cooling |
| Frame Material | Cast iron                    |
| Frame size     | 132M                         |
| Duty           | S1                           |
| Voltage        | 400 V                        |
| Frequency      | 50 Hz                        |
| Power output   | 7,5 kW                       |

|                               |                  |
|-------------------------------|------------------|
| Insulation class              | F                |
| Ambient temperature           | -20 till 40 °C   |
| Temperature rise              | temp.rise acc. B |
| Temperature rise winding      | 42 K             |
| Temperature rise surface      |                  |
| Altitude above sea level      | 1000 mtr         |
| Hazardous area classification | Safe area        |

|              |              |
|--------------|--------------|
| Rotor type   | Cage motor   |
| Bearing type | 6308-2Z/C3WT |

|                |           |
|----------------|-----------|
| Type of grease | Unirex N3 |
|----------------|-----------|

|                          |            |
|--------------------------|------------|
| Phase resistance at 20°C | 1,0484 Ohm |
| Country of origin        | CZ         |

| 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 400V 50Hz | 301%                              | 902%                           | 224%                         | 402%                           | 6,95 A                    |
| @ D 460V 60Hz | 293%                              | 888%                           | 186%                         | 393%                           | 6,16 A                    |

#### 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.

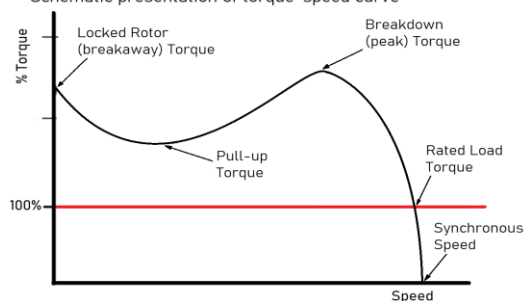
|            |                  |               |
|------------|------------------|---------------|
| Efficiency | Europe           | Global IEC    |
| Standards  | EN-IEC: 60034-30 | IEC: 60034-30 |

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

|                        |                         |
|------------------------|-------------------------|
| Degree of protection   | IP55                    |
| Mounting type          | IM3641-FT165            |
| Cooling method         | IC411                   |
| Motor weight - approx. | 82 kg                   |
| Gross weight - approx. | 84 kg                   |
| Motor inertia          | 0,0460 kgm <sup>2</sup> |
| Vibration level        | according IEC60034-14   |

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

Schematic presentation of torque-speed curve



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P000040352



Driving efficiency and sustainability

