

**Model No.** 8-Pole cage motor 6RN 100L 1,1kW D230V 50Hz IM3041-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        | 1,1       | 1 1/2     | 5,3      | 705        | 14,9      | IE3         | 78,2                               | 0,67                            | 4,12                                   | 1,95                                   | 2,50                                   |
| 400      | Y             |           |           |           | 3        |            |           |             |                                    |                                 |                                        |                                        |                                        |
| 265      | D             | 60        | 1,27      | 1,702     | 5,1      | 860        | 14,1      | IE3         | 80,9                               | 0,68                            | 4,39                                   | 1,93                                   | 2,59                                   |
| 460      | Y             |           |           |           | 3        |            |           |             |                                    |                                 |                                        |                                        |                                        |

|                               |                              |
|-------------------------------|------------------------------|
| Motor type                    | 6RN100L08E35                 |
| Enclosure                     | Totally Enclosed Fan Cooling |
| Frame Material                | Cast iron                    |
| Frame size                    | 100L                         |
| Duty                          | S1                           |
| Voltage                       | 230 V                        |
| Frequency                     | 50 Hz                        |
| Power output                  | 1,1 kW                       |
| Insulation class              | F                            |
| Ambient temperature           | -20 till 40 °C               |
| Temperature rise              | temp.rise acc. B             |
| Temperature rise winding      | 43 K                         |
| Temperature rise surface      | 31 K                         |
| Altitude above sea level      | 1000 mtr                     |
| Hazardous area classification | Safe area                    |

|                        |              |
|------------------------|--------------|
| Degree of protection   | IP55         |
| Mounting type          | IM3041-FF215 |
| Cooling method         | IC411        |
| Motor weight - approx. | 40 kg        |
| Gross weight - approx. | 41 kg        |

Vibration level according IEC60034-14

Direction of rotation cw / ccw

|              |              |
|--------------|--------------|
| Rotor type   | Cage motor   |
| Bearing type | 6306-2Z/C3WT |

Type of grease Unirex N3

|                          |            |
|--------------------------|------------|
| Phase resistance at 20°C | 6,2222 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 230V 50Hz | 195%                              | 409%                           |                              | 250%                           | 3,55 A                    |
| @ D 265V 60Hz | 193%                              | 443%                           |                              | 259%                           | 3,32 A                    |

### NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

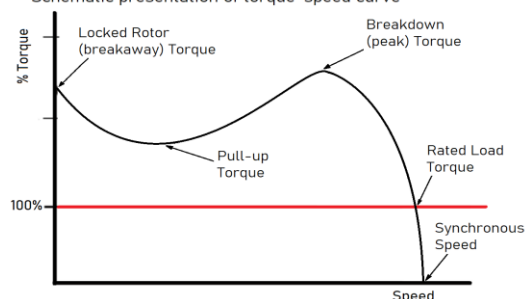
Voltage, Frequency are as per IEC60034-1

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.

Schematic presentation of torque-speed curve



P000057938  
P000057939



Driving efficiency and sustainability

