

PRODUCT INFORMATION PACKET



Model No: 6RN80M04E36U241081

Catalog No: 6RN80M04E36U24@1081

1.10 kW General Purpose Low Voltage IEC Motor IE3, 3 phase, 1500 rpm, D230/Y400V 50Hz, 80 Frame B3, IC411



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Nameplate Specifications

Technical Specifications

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Datasheet

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Model No. 4-Pole cage motor 6RN 80 1,1kW D230V 50Hz IM1081

| U (V) | Δ / Y Conn | f [Hz] | P [kW] | P [hp] | I [A] | n [RPM] | T [Nm] | IE Class | % EFF at __ load FL 3/4FL 1/2FL | PF at __load FL 3/4FL 1/2FL | I _A /I _N [pu] | T _A /T _N [pu] | T _K /T _N [pu] |
|----------|---------------|-----------|-----------|-----------|----------|------------|-----------|-------------|------------------------------------|--------------------------------|--|--|--|
| 230 | D | 50 | 1,1 | 1 1/2 | 4,2 | 1445 | 7,3 | IE3 | 84,1 | 0,78 | 7,00 | 3,00 | 3,50 |
| 400 | Y | | | | 2,4 | | | | | | | | |
| 265 | D | 60 | 1,27 | 1,702 | 4,08 | 1745 | 6,96 | IE3 | 86,5 | 0,79 | 7,75 | 3,00 | 3,75 |
| 460 | Y | | | | 2,35 | | | | | | | | |

| | |
|-------------------------------|------------------------------|
| Motor type | 6RN80M04E36 |
| Enclosure | Totally Enclosed Fan Cooling |
| Frame Material | Aluminum |
| Frame size | 80 |
| 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 (80K) |
| Temperature rise surface | |
| Altitude above sea level | 1000 mtr |
| Hazardous area classification | Safe area |

| | |
|--------------|--------------|
| Rotor type | Cage motor |
| Bearing type | 6004-2Z/C3WT |

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

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

| Voltage/Freq | Locked rotor Torque [% nom] | Starting current [% nom] | Pull-up Torque [% nom] | Breakdown Torque [% nom] | No-load Current [A] |
|---------------|-----------------------------------|-----------------------------|---------------------------|-----------------------------|------------------------|
| @ D 230V 50Hz | 300% | 700% | | 350% | |
| @ D 265V 60Hz | 300% | 774% | | 375% | 2,11 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.

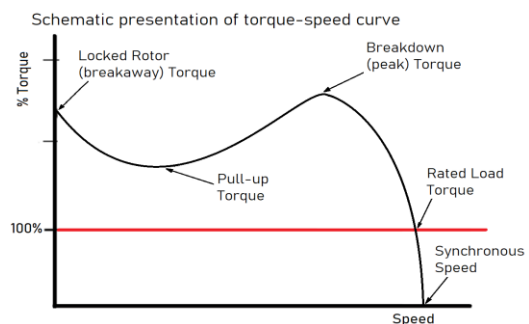
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|------------|------------------|---------------|
| Efficiency | Europe | Global IEC |
| Standards | EN-IEC: 60034-30 | IEC: 60034-30 |

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| | |
|------------------------|--------|
| Degree of protection | IP55 |
| Mounting type | IM1081 |
| Cooling method | IC411 |
| Motor weight - approx. | 15 kg |
| Gross weight - approx. | 15 kg |

| | |
|-----------------|-----------------------|
| Vibration level | according IEC60034-14 |
|-----------------|-----------------------|

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



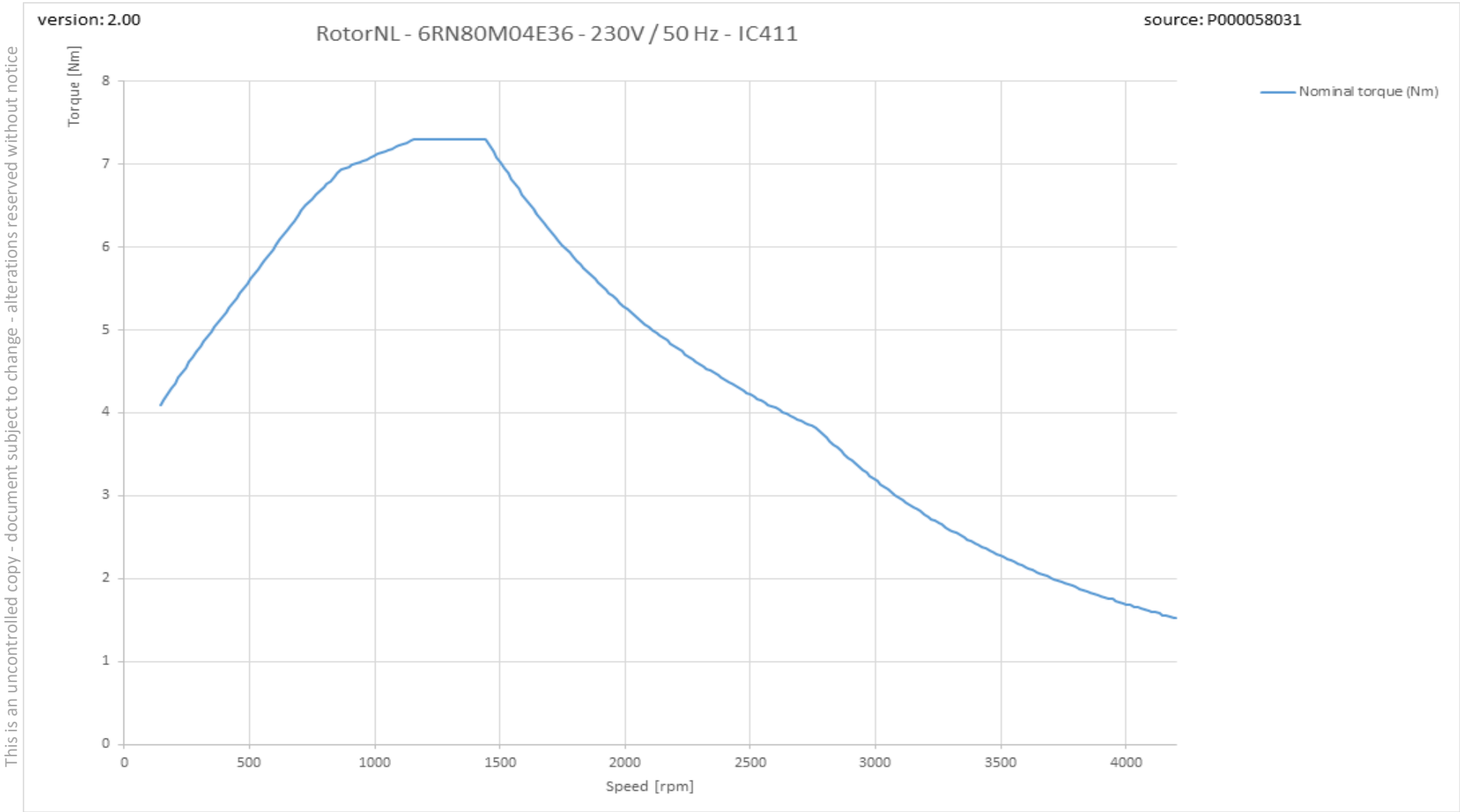
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6RN80M04E36 4-pole 1,10kW D/Y 230/400V 50Hz S1 IC411 IE3



Torque versus Speed curve with variable frequency drive



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