

## TECHNICAL DATA SHEET

## Three-phase asynchronous motor

**MOTOR FRAME:** Cast Iron

[www.tamel.pl](http://www.tamel.pl)

Produced by **Tamel S.A.** a company of



**Motor type:** WU-DF250MNE 8P 30,0kW

**Motor item number:**

|                       |                |   |      |   |            |       |
|-----------------------|----------------|---|------|---|------------|-------|
| Rated power:          | 30 kW          |   |      |   | 60 HZ data | kW    |
| Poles(Synch speed):   | 8p (750) r.p.m |   |      |   |            | r.p.m |
| Full load speed:      | 735 r.p.m      |   |      |   |            | r.p.m |
| Voltage:              | 400            | / | 690  | V |            | V     |
| Frequency:            | 50 Hz          |   |      |   |            | Hz    |
| Connection:           | Δ              | / | Y    |   |            |       |
| Amps full load (FLA): | 65             | / | 37,7 | A |            | A     |
| Amps no-load (NLA):   | A              |   |      |   |            |       |

|                        |                |                      |                       |
|------------------------|----------------|----------------------|-----------------------|
| Enclosure:             | IP55           | Cable entries size:  | 2 x CM50 + 1 x CM20   |
| Mounting:              |                | Winding protection:  | 3xPTC160°C            |
| Insulation Class:      | F              | Max. Altitude:       | 1000 m.a.s.l.         |
| Max. ambient temp.:    | +40 °C         | Heater:              | no                    |
| Min. ambient temp.:    | -20 °C         | Shaft extension:     | 65x140 mm             |
| Max. temp. rise:       | 80 K           | Weight:              | 420 kg                |
| Duty type:             | S1             | Painting:            | Manufacturer standard |
| Cooling form:          | IC411 (TEFC)   | Color:               | RAL 5021              |
| Bearing DE             | 6316 C3        | Box position:        | Top DE                |
| Bearing NDE            | 6316 C3        | Cable entry towards: | Right                 |
| Grease:                | Esso Unirex N3 | Cable type:          | N/A                   |
| Regreasing facilities: | YES            | Balance grade:       | Reduced               |

|                   |      |      |      |                      |          |
|-------------------|------|------|------|----------------------|----------|
| Efficiency class: |      |      |      |                      |          |
| Load data:        | 100% | 75%  | 50%  | Sound pressure (1m): | 62 dB(A) |
| Efficiency:       | 90   | 90   | 88   | Resistance R20:      | TBA PH   |
| Power factor:     | 0.74 | 0.67 | 0.55 |                      |          |

|                         |     |       |                        |      |                  |
|-------------------------|-----|-------|------------------------|------|------------------|
| Full load torque (FLT): | 390 | Nm    | Pull out torque ratio: | 2,4  | MK/MN            |
| Starting torque ratio:  | 1,7 | MA/MN | Pull up torque:        | 1,6  | MS/MN            |
| Starting current ratio: | 6.0 | IA/IN | Rotor inertia WK2:     | 1.47 | kgm <sup>2</sup> |

**Special remarks:**

### SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

|                           |                          |
|---------------------------|--------------------------|
| Hazardous classification: | Temp. Class:             |
| Certificate number:       | t <sub>E</sub> time: sek |

Special remarks: