

### Three-phase asynchronous motor

MOTOR FRAME: **Cast Iron**

a company of



Motor type: **WU-DF160LV-D IE2 6P 11kW B5**  
 Motor item number: **160W417711T**

|                       |                 |   |        |            |            |       |
|-----------------------|-----------------|---|--------|------------|------------|-------|
| Rated power:          | 11 kW           |   |        | 50 HZ data | 60 HZ data | 11 kW |
| Poles(Synch speed):   | 6p (1000) r.p.m |   |        |            |            | r.p.m |
| Full load speed:      | 980 r.p.m       |   |        |            |            | r.p.m |
| Voltage:              | 400             | / | 690 V  |            |            | V     |
| Frequency:            | 50 Hz           |   |        |            |            | Hz    |
| Connection:           |                 |   |        |            |            |       |
| Amps full load (FLA): | 24              | / | 13,8 A |            |            | A     |
| Amps no-load (NLA):   | A               |   |        |            |            |       |

|                        |                          |       |                      |          |          |
|------------------------|--------------------------|-------|----------------------|----------|----------|
| Enclosure:             | IP55                     |       | Cable entries size:  | 2 x CM32 |          |
| Mounting:              | IM B5 (IM 3001)          |       | Winding protection:  |          |          |
| Insulation Class:      | F                        |       | Max. Altitude:       | 1000     | m.a.s.l. |
| Max. ambient temp.:    | +40                      | °C    | Heater:              | no       |          |
| Min. ambient temp.:    | -20                      | °C    | Shaft extension:     | 42x110   | mm       |
| Max. temp. rise:       | 80                       | K     | Weight:              |          | kg       |
| Duty type:             | S1                       |       | Painting:            | Argus    |          |
| Cooling form:          | IC411 (TEFC)             |       | Color:               | RAL 5021 |          |
| Bearing DE             | 6309                     | ZZ C3 | Box position:        | Top DE   |          |
| Bearing NDE            | 6307                     | ZZ C3 | Cable entry towards: | Right    |          |
| Grease:                | Lithium or Polyurea Base |       | Cable type:          | N/A      |          |
| Regreasing facilities: | NO                       |       | Balance grade:       | Normal   |          |

|                   |      |      |      |                      |          |
|-------------------|------|------|------|----------------------|----------|
| Efficiency class: | IE2  |      |      | Sound pressure (1m): | 59 dB(A) |
| Load data:        | 100% | 75%  | 50%  | Resistance R20:      | 0,73 PH  |
| Efficiency:       | 88,7 | 90   | 88,5 |                      |          |
| Power factor:     | 0,75 | 0,67 | 0,57 |                      |          |

|                         |       |       |                        |      |                  |
|-------------------------|-------|-------|------------------------|------|------------------|
| Full load torque (FLT): | 107,2 | Nm    | Pull out torque ratio: | 2,8  | MK/MN            |
| Starting torque ratio:  | 2,0   | MA/MN | Pull up torque:        | 1,9  | MS/MN            |
| Starting current ratio: | 7,5   | IA/IN | Rotor inertia WK2:     | 0,12 | 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: