Issue 2, date 05.08.2008

BROOK CROMPTON

# TECHNICAL DATA SHEET

## Three-phase asynchronous motor

**MOTOR FRAME:** Aluminium

*a company of* ATB Technology in Motion

**Motor type:** WU-DA112MT IE2 4P 4KW B3
**Motor item number:** 112W267400T

| | 50 HZ data | | | | 60 HZ data | |
|---|---|---|---|---|---|---|
| Rated power: | | | 4 | kW | | kW |
| Poles(Synch speed): | | | 4p (1500) | r.p.m | | r.p.m |
| Full load speed: | | | 1440 | r.p.m | | r.p.m |
| Voltage: | 230 | / | 400 | V | | V |
| Frequency: | | | 50 | Hz | | Hz |
| Connection: | Δ | / | Y | | | |
| Amps full load (FLA): | 8.7 | / | 5.0 | A | | A |
| Amps no-load (NLA): | | | | A | | |

| | | | | |
|---|---|---|---|---|
| Enclosure: | IP55 | | Cable entries size: | 2 x CM25 |
| Mounting: | IM B3 (IM 1001) | | 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: | 28x60 mm |
| Max. temp. rise: | 80 | K | Weight: | 29.4 kg |
| Duty type: | S1 | | Painting: | Alkyd-Amin Resins Paint |
| Cooling form: | IC411 (TEFC) | | Color: | RAL 5021 |
| Bearing DE | 6206 | ZZ C3 | Box position: | Top DE |
| Bearing NDE | 6205 | ZZ C3 | Cable entry towards: | Right |
| Grease: | Lithium or Polyurea Base | | Cable type: | N/A |
| Regreasing facilities: | NO | | Balance grade: | Normal |

| | | | |
|---|---|---|---|
| Efficiency class: | IE2 | | |
| Load data: | 100% | 75% | 50% |
| Efficiency: | 86.6 | 86.6 | 85.9 |
| Power factor: | 0.77 | 0.69 | 0.55 |

Sound pressure (1m): 54 dB(A)
Resistance R20: 3.54 PH

| | | | | | |
|---|---|---|---|---|---|
| Full load torque (FLT): | 26.5 | Nm | Pull out torque ratio: | 3.1 | MK/MN |
| Starting torque ratio: | 3.0 | MA/MN | Pull up torque: | 2.6 | MS/MN |
| Starting current ratio: | 7.4 | IA/IN | Rotor inertia WK2: | 0.012 | $kgm^2$ |

Special remarks:

### SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

| | |
|---|---|
| Hazardous classification: | Temp. Class: |
| | $t_E$ time: sek |
| Certificate number: | |

Special remarks: