

BROOK CROMPTON

TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Aluminium

a company of



Motor type: **WU-DA180ME-D IE2 2P 22 kW B5**
Motor item number: **180W477210T**

| | | | | | |
|-----------------------|-----------------|---|--------|------------|-------|
| Rated power: | 22 kW | | | 60 HZ data | kW |
| Poles(Synch speed): | 2p (3000) r.p.m | | | 50 HZ data | r.p.m |
| Full load speed: | 2950 r.p.m | | | 60 HZ data | r.p.m |
| Voltage: | 400 | / | 690 V | 50 HZ data | V |
| Frequency: | 50 Hz | | | 60 HZ data | Hz |
| Connection: | Δ | / | Y | 50 HZ data | A |
| Amps full load (FLA): | 39 | / | 22,5 A | 60 HZ data | 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: | 48x110 | mm |
| Max. temp. rise: | 80 | K | Weight: | kg | |
| Duty type: | S1 | | Painting: | Alkyd-Amin Resins Paint | |
| Cooling form: | IC411 (TEFC) | | Color: | RAL 5021 | |
| Bearing DE | 6310 | ZZ C3 | Box position: | Top DE | |
| Bearing NDE | 6308 | 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): | 68 dB(A) |
| Load data: | 100% | 75% | 50% | Resistance R20: | 0,32 PH |
| Efficiency: | 91,3 | 91,5 | 90,4 | | |
| Power factor: | 0,89 | 0,86 | 0,76 | | |

| | | | | | |
|-------------------------|------|-------|------------------------|-------|------------------|
| Full load torque (FLT): | 71,2 | Nm | Pull out torque ratio: | 3,1 | MK/MN |
| Starting torque ratio: | 2,2 | MA/MN | Pull up torque: | 1,9 | MS/MN |
| Starting current ratio: | 9,0 | IA/IN | Rotor inertia WK2: | 0,084 | kgm ² |

Special remarks:

SPECIAL DATA FOR HAZARDOUS LOCATION MOTOR

| | | |
|---------------------------|----------------------|-----|
| Hazardous classification: | Temp. Class: | |
| Certificate number: | t _E time: | sek |

Special remarks: