

# BROOK CROMPTON

## TECHNICAL DATA SHEET

Three-phase asynchronous motor

MOTOR FRAME: Aluminium

Motor type: WP-DA132SMX IE3 2P 7,5 KW  
Motor item number:

|                       |            |       |  |  |  |           |       |
|-----------------------|------------|-------|--|--|--|-----------|-------|
| Rated power:          | 7,5        | kW    |  |  |  | 8,6       | kW    |
| Poles(Synch speed):   | 2p (3000)  | r.p.m |  |  |  | 2p (3600) | r.p.m |
| Full load speed:      | 2930       | r.p.m |  |  |  | 3530      | r.p.m |
| Voltage:              | 400 / 690  | V     |  |  |  | 460       | V     |
| Frequency:            | 50         | Hz    |  |  |  | 60        | Hz    |
| Connection:           | Δ / Y      |       |  |  |  | Δ         |       |
| Amps full load (FLA): | 13,7 / 7,9 | A     |  |  |  | 13,4      | A     |
| Amps no-load (NLA):   |            | A     |  |  |  |           | A     |

|                        |                |       |  |  |  |                      |                       |
|------------------------|----------------|-------|--|--|--|----------------------|-----------------------|
| Enclosure:             | IP55           |       |  |  |  | Cable entries size:  | 2xCM25                |
| Mounting:              |                |       |  |  |  | Winding protection:  | NO                    |
| Insulation Class:      | F              |       |  |  |  | Max. Altitude:       | 1000 m.a.s.l.         |
| Max. ambient temp.:    | 40             | °C    |  |  |  | Heater:              | NO                    |
| Min. ambient temp.:    | -20            | °C    |  |  |  | Shaft extension:     | 38x80 mm              |
| Max. temp. rise:       | 80             | °C    |  |  |  | Weight:              | 57 kg                 |
| Duty type:             | S1             |       |  |  |  | Painting:            | Manufacturer standard |
| Cooling form:          | IC411 (TEFC)   |       |  |  |  | Color:               | RAL 5021              |
| Bearing DE             | 6208           | ZZ C3 |  |  |  | Box position:        | Top DE                |
| Bearing NDE            | 6305           | ZZ C3 |  |  |  | Cable entry towards: | Right                 |
| Grease:                | Esso Unirex N3 |       |  |  |  | Cable type:          | N/A                   |
| Regreasing facilities: | NO             |       |  |  |  | Balance grade:       | Normal                |

|                   |      |      |      |  |  |                      |          |
|-------------------|------|------|------|--|--|----------------------|----------|
| Efficiency class: | IE3  |      |      |  |  | Sound pressure (1m): | 66 dB(A) |
| Load data:        | 100% | 75%  | 50%  |  |  | Resistance R20:      | 1,15 PH  |
| Efficiency:       | 91   | 91,2 | 90,3 |  |  |                      |          |
| Power factor:     | 0,87 | 0,81 | 0,70 |  |  |                      |          |

|                         |     |       |  |  |  |                        |       |                  |
|-------------------------|-----|-------|--|--|--|------------------------|-------|------------------|
| Full load torque (FLT): | 24  | Nm    |  |  |  | Pull out torque ratio: | 4,3   | MK/MN            |
| Starting torque ratio:  | 3,6 | MA/MN |  |  |  | Pull up torque:        | 3,3   | MS/MN            |
| Starting current ratio: | 9,6 | IA/IN |  |  |  | Rotor inertia WK2:     | 0,018 | 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: