

## >> BB 89 145 mm 3-Stage DC | 612 089

Blower ByPass Brushless

- » BLDC Blower / Electronically Commutated
- » Onboard drive control
- » Closed-Loop speed control
- » Aerodynamically optimized impeller and housing
- » Onboard calibration potentiometer
- » Robust aluminium housing and impeller



| Data                     |      | 24 V  | 48 V  |
|--------------------------|------|-------|-------|
| Nominal voltage          | VDC  | 24    | 48    |
| Fan housing diameter     | mm   | 145   | 145   |
| Fan stages               | n°   | 3     | 3     |
| Max. airflow             | m³/h | 110   | 109   |
| Max. pressure            | kPa  | 20.5  | 19.6  |
| Max. vacuum              | kPa  | 19.5  | 18.5  |
| Input power              | W    | 600   | 600   |
| Current                  | A    | 20    | 9     |
| Max. speed               | rpm  | 17000 | 16500 |
| Weight                   | Kg   | 2.7   | 2.7   |
| <b>Standard Features</b> |      |       |       |
| Speed command input      | VDC  | 0-10  | 0-10  |
| Tach output              | ppr  | 2     | 2     |

### Options

- A) Mechanical
- » Enhanced corrosion protection
  - » No inlet tube on working air
  - » Cooling air inlet tube
  - » Various mounting patterns

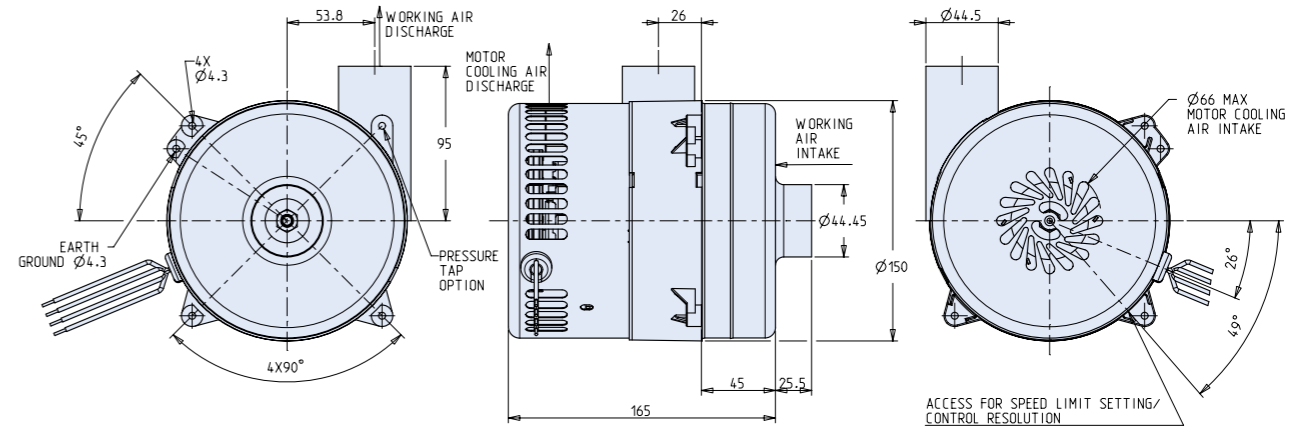
- B) Electrical / Software
- » No options available

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### Dimensions in mm



| Lead wires |                         |
|------------|-------------------------|
| Colour     | Function                |
| Red ●      | VDC                     |
| Black ●    | Common                  |
| Orange ●   | Speed command / 0-10VDC |
| Blue ●     | Tach output             |

See page 51 for Mechanical Options

### Characteristic diagram

