

## Hot air blower COMPACT max. 6'100W

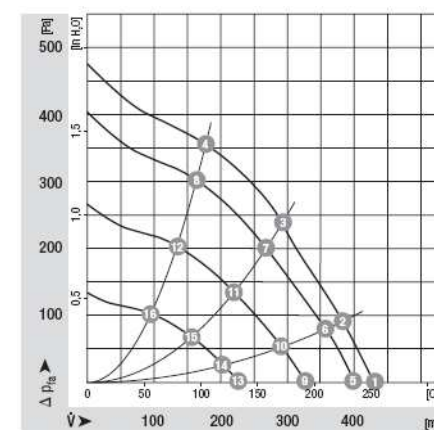


- Function:** Hot air blowers for industrial use  
- small dimensions great power
- Configuration:** Standard: temperature control with potentiometer (0 - 9)  
- alternatively with external potentiometer (cable length 5 meters) or  
- external control by controller or PLC (cable length 5 meters)  
The unit is equipped with a reliable heating element, the integrated device protection turns off the device when tripped and restore itself back after cooling. No reset is required.
- Features:** Default: Variable air volume control with potentiometer (0 - 9)  
- alternatively with external potentiometer (cable length 5 meters) or  
- external control by controller or PLC (cable length 5 meters)  
Custom design with internal thermocouple (cable length 1 or 5 meters)  
- For devices with electronics maximum air temperature 50 ° C  
- The unit is available without electronics  
- For devices without electronics maximum air temperature 80 ° C  
- Special design with internal temperature control  
- Evaluating the fan speed via "open collector"
- Power:** 2,3 KW - 6,1 KW  
**Voltage:** 230 / 400VAC (2Ph)

### Technical data

| Item number                                    |       | 5102586                  | 5102602     | 5102581     | 5102605       | 5102599 |
|--|-------|--------------------------|-------------|-------------|---------------|---------|
| <b>Voltage</b>                                 | VAC   |                          | 230         |             | 400 (2Ph + N) |         |
| <b>Frequency</b>                               | Hz    | 50 / 60                  |             |             |               |         |
| <b>Power</b>                                   | kW    | 2,3                      | 3,1         | 3,7         | 4,7           | 6,1     |
| <b>Current</b>                                 | A     | 10,0                     | 13,5        | 16          | 11,8          | 15,3    |
| <b>Max. temperatuer</b>                        | °C    | 650                      | 800         |             | 650           |         |
| <b>Min. air quantity</b>                       | l/min | 400                      | 350         | 400         |               | 550     |
| <b>Max. air quantity at 20°C</b>               | l/min | 940                      | 800         | 930         | 960           | 950     |
| <b>Max. Temperature with full air quantity</b> | °C    | 260                      | 520         | 440         | 480           | 630     |
| <b>Static pressure</b>                         | Pa    | 450                      |             |             |               |         |
| <b>Sound pressure levell (LpA)</b>             | db    | 73 (at 1m distance)      |             |             |               |         |
| <b>Intake opening</b>                          | Ø mm  | 102,5                    |             |             |               |         |
| <b>Air outlet</b>                              | Ø mm  | 55                       |             |             |               |         |
| <b>Heating element tube</b>                    | Ø mm  | 62 / 74                  |             |             |               |         |
| <b>Dimensions (L x W x H)</b>                  | mm    | 322x138x180              | 360x138x180 | 322x138x180 | 360x138x180   |         |
| <b>Weight incl. Cable</b>                      | kg    | 2,8                      | 3,1         | 2,8         | 3,1           |         |
| <b>Conformity mark</b>                         |       |                          |             |             |               |         |
| <b>Protection class II</b>                     |       | <input type="checkbox"/> |             |             |               |         |

### Power curve













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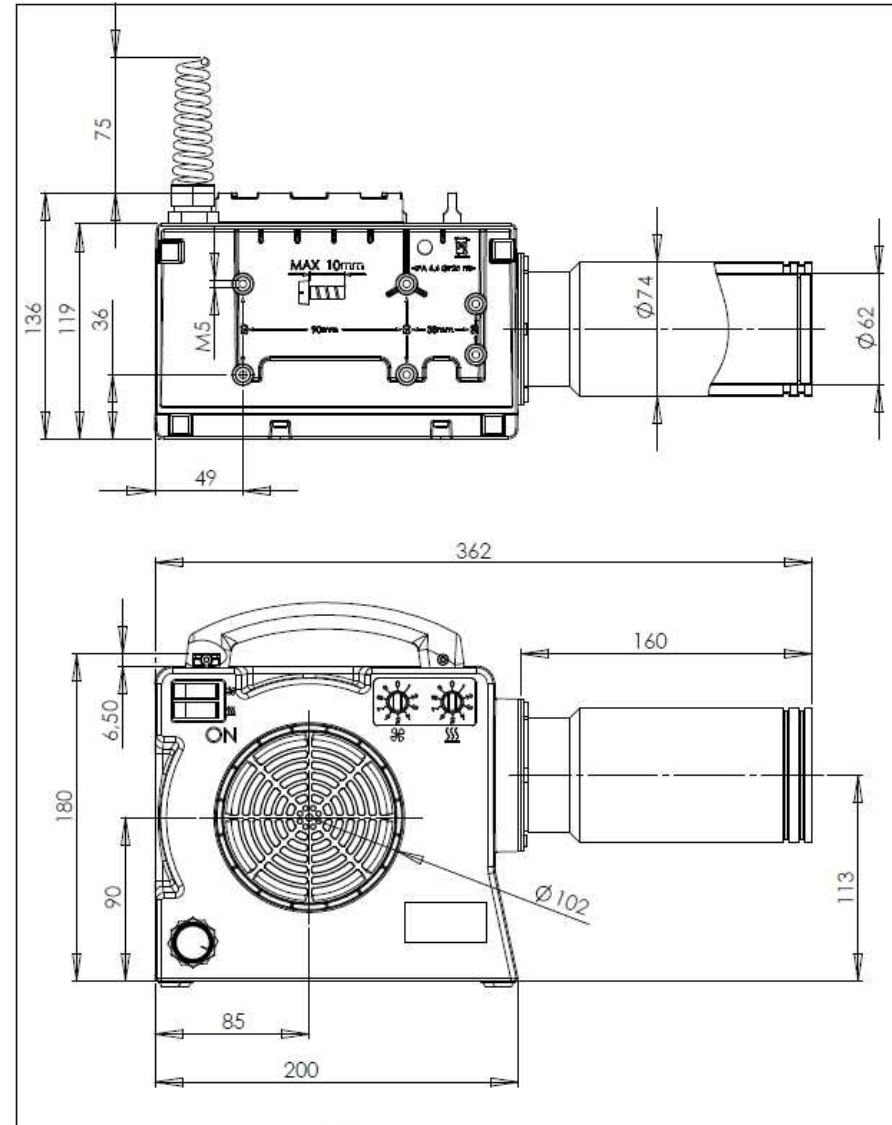
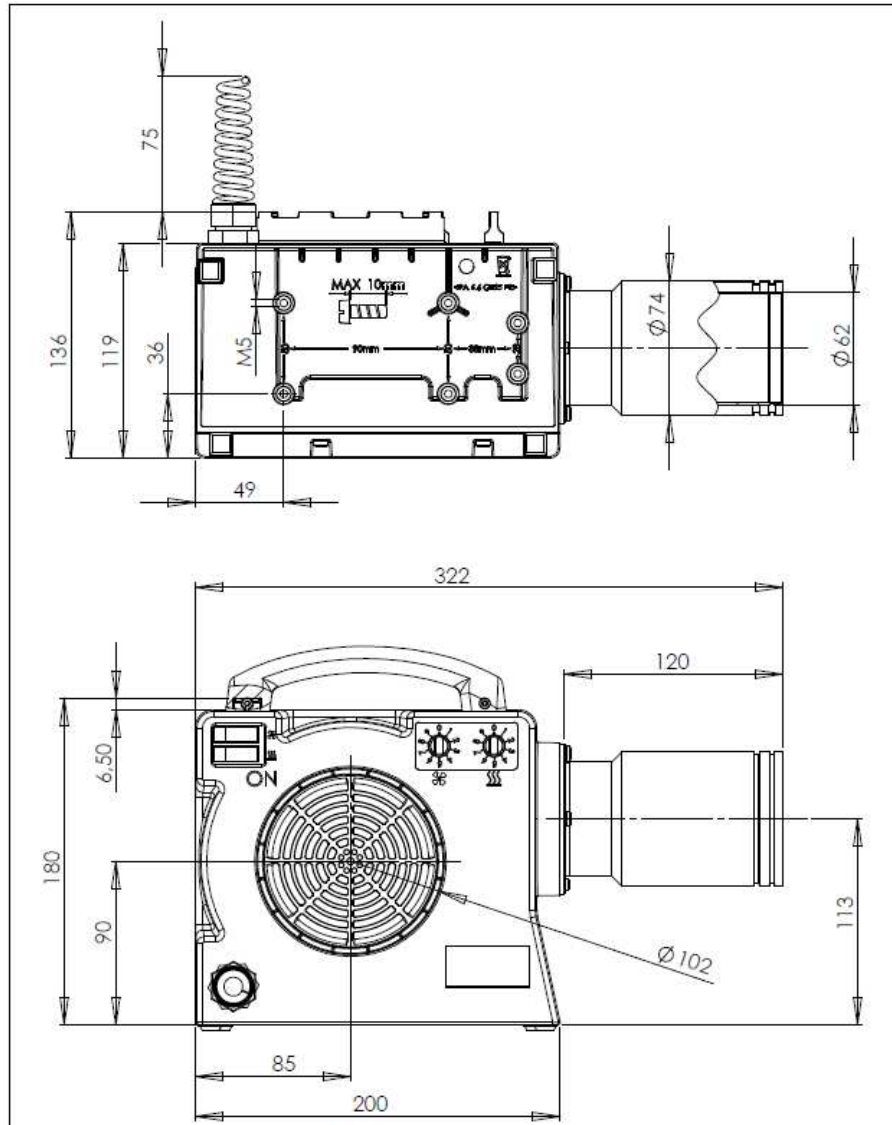
1. Power cable  
Connection diagram for 400VAC version:
  - - L1 = black
  - - L2 = brown
  - - N = blue
2. Heating ON- OFF (only if the fan switch (3) is ON)
3. Fan ON – OFF
4. Handle, pushed laterally (fixed with two screws)
5. Potentiometer for speed / air volume (screw with external control)
  - fitting for control line for external control (Option)
6. Heating control potentiometer (screw with external control)
  - fitting for control line for external control (Option)
7. Label (rear panel)
8. Heater tube
9. Intake
10. Temperature controller (optional)
  - fitting for signal line for pulse output (option)
11. 6 threaded inserts M5 for mounting the unit during installation (dimensions on the device base)

|   |                        |   |
|---|------------------------|---|
| <u>Control cable for external temperature control</u><br>- digital signal (PWM 10-24 VDC, 0.5 Hz)   | + = brown<br>- = white | <u>Control cable with external potentiometer for temperature- or speed control:</u> |
| <u>Control cable for external speed control:</u><br>- digital rpm = 15VDC, I / max = 10mA;<br>- PWM/1-10KHz/50-100% (50% = minimum amount of air)<br>- analog 5-10VDC, (5VDC = minimum amount of air) | + = green<br>- = white |   |
| <b>WARNING. "Must be guaranteed at analog or digital control of the speed that the minimum amount of air-flow is brought forward when the heat is on!"</b>  |                        |   |
| <u>Signal line for external speed display:</u><br>- 1 pulse per revolution<br>- Open collector output   | + = brown<br>- = white | Compensation line with internal thermocouple type K :<br>+ = green<br>- = white     |

## Hot air blower COMPACT max. 6'100W

| Accessories   | Description  | Item-No. |
|---|--|----------|
|    | Flange connection  | 5107246  |
|    | Round nozzle Ø 40mm                                      | 5107245  |
|    | Angled nozzle Ø 62mm; length 120 x 112mm                 | 5107265  |
|    | Extension tube Ø 40mm; length = 200mm                    | 5107247  |
|    | Tubular nozzle 700 x 550 x 1,7mm                         | 5107253  |
|    | Wide slot nozzle 85 x 15mm                               | 5107260  |
|    | Wide slot nozzle 150 x 12mm                              | 5107259  |
|    | Wide slot nozzle 200 x 9mm                               | 5105977  |
|   | Wide slot nozzle 250 x 12mm                              | 5107263  |
|   | Wide slot nozzle 300 x 4mm                               | 5107262  |
|   | Wide slot nozzle 500 x 4mm                               | 5105991  |
|    | Shrinking reflector 50 x 400mm; nozzle laterally mounted | 5106177  |
|  | Stainless steel filter for COMPACT suction side          | 5107248  |

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Maße in mm / allg. Toleranz +/- 1mm  
Dimensions in mm / measurements +/- 1mm

Maßblatt  
Dimension sheet

Typ / Type:  
Compact

Zeichnung / Drawing Nr.:  
08052008V1

Name Router  
Blatt / Page 1/1

Technische Änderungen vorbehalten / technical changes reserved



Maße in mm / allg. Toleranz +/- 1mm  
Dimensions in mm / measurements +/- 1mm

Maßblatt  
Dimension sheet

Typ / Type:  
Compact L

Zeichnung / Drawing Nr.:  
08052008V1

Name Router  
Blatt / Page 1/1

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