

# Heater with integrated thermostat

## FLH-T



New Pfannenberg heater line with integrated thermostat. This new line has been specifically developed for demanding environments, especially wind turbines and for use in the telecommunications sector.

- all tests were performed according to European Norms, EN 60068-2-6 / 60068-2-27 / 60068-2-29 **Railway applications - Rolling stock equipment - Shock and vibration tests** and therefore are unique to the industry
- can be used under extreme conditions (- 45 °C...+ 70 °C)
- fan design with ball bearing: guaranteed long service life
- voltage range: 230 V / 115 V / 50/60 Hz
- UL, cUL approval

| Data                                       |       | FLH-T 250  | FLH-T 400   | FLH-T 600   | FLH-T 800   | FLH-T 1000          | Unit |                   |
|--|-------|--|-------------|-------------|-------------|---------------------|------|-------------------|
| Article number                             | 230 V | 17025310007  | 17040310007 | 17060310007 | 17080310007 | 17099310007         |      |                   |
|  | 115 V | 17025315007  | 17040315007 | 17060315007 | 17080315007 | 17099315007         |      |                   |
| Heating performance (Ta = +20 °C)          |       | 250  | 400         | 600         | 800         | 1000                | W    |                   |
| Power consumption                          |       | 269  | 419         | 619         | 819         | 1019                | W    |                   |
| Starting current                           |       | 0.7  | 2.6         | 3.4         | 4.3         | 5.2                 | A    |                   |
| Bearing type                               | fan   | ball bearing   |             |             |             |                     |      |                   |
| Service life L <sub>10</sub> (+ 25 °C)     |       | 52,500   |             |             |             |                     |      | h                 |
| System of protection according to EN 60529 |       | IP 20  |             |             |             |                     |      |                   |
| Weight                                     |       | 1.0  | 1.1         | 1.2         | 1.4         |                     | kg   |                   |
| Volumetric air flow                        |       | 160  |             |             |             |                     |      | m <sup>3</sup> /h |
| Rated voltage                              |       | 115 V or 230 V AC 50/60 Hz                           |             |             |             |                     |      |                   |
| Functional range                           |       | 104 - 127 V or 207 - 253 V AC 50/60 Hz               |             |             |             |                     |      |                   |
| Duty cycle                                 |       | 100%   |             |             |             |                     |      |                   |
| Temperature setting range                  |       | - 20 ... + 40 (- 4 ... + 104)                        |             |             |             |                     |      | °C (°F)           |
| Switching temperature difference           |       | < 7  |             |             |             |                     |      | K                 |
| Switching point tolerance                  |       | ± 4  |             |             |             |                     |      |                   |
| Operating temperature range                |       | - 45 ... + 70 (- 49 ... + 158)                       |             |             |             |                     |      | °C (°F)           |
| Storage temperature range                  |       | - 45 ... + 70 (- 49 ... + 158)                       |             |             |             |                     |      |                   |
| Installation orientation                   |       | as desired, preferably vertical                      |             |             |             |                     |      |                   |
| Device construction                        |       | plastic UL 94V-O, black                              |             |             |             |                     |      |                   |
| Type of mounting                           |       | 4 x M5 screws (not included)                         |             |             |             |                     |      |                   |
| Protection class                           |       | II (double insulation)                               |             |             |             |                     |      |                   |
| Type of connection                         |       | 2-pole terminal strip                                |             |             |             |                     |      |                   |
| Clamping range of connecting terminal      |       | 2.5 mm <sup>2</sup> (AWG 14); clamping torque 0.8 Nm |             |             |             |                     |      |                   |
| Accessories                                | Piece | Article number                                       |             |             |             | Information on page |      |                   |
| Hygrostat                                  | 1     | 17207000000  |             |             |             | 180                 |      |                   |
| Internal enclosure fan                     | 1     | 18110000000  |             |             |             | 65                  |      |                   |

Approvals see page 165

### Dimensions

| mm | FLH-T |
|----|-------|
| X  | 150   |
| X1 | 138   |
| X2 | 6     |
| X3 | 5.4   |
| Y  | 100   |
| Z  | 164   |
| Z1 | 100   |
| Z2 | 13.3  |
| Z3 | 5     |

