



TROPIC Unit Heaters

Featuring attractive design of the housing made of high quality plastics, the TROPIC heating unit finds application for heating spaces where the heating units should match modern space interior. The unit can be installed in horizontal (ceiling mounting) or vertical (wall mounting) position. A bleeder valve allows bleeding of the unit in either position. The TROPIC heating units find application for heating spaces, like:

- shopping centres
- discos
- fashion houses
- churches
- sports and entertainment facilities
- car showrooms

and in other typical places, like warehouses, shop floors, job shops, greenhouses and the like.

PRODUCT DESCRIPTION

TROPIC heating unit is available in two sizes, with single- or double-row metal louver heaters. The unit incorporates:

- housing made of high quality plastics
- high efficiency maintenance-free axial-flow fan
- highly efficient water heater

WORKING CONDITIONS

The unit's housing and finned tube heaters are designed for operation with heating medium temperature up to 150°C. The relative humidity and dust load of the air should not exceed 95% and 3 mg/cu.m., respectively.

TROPIC-1-I

DIMENSIONS



| Fan specifications | |
|-----------------------|-------------|
| Voltage [V] | 230 |
| Motor power [kW] | 0,13 |
| Current [A] | 0,59 |
| Speed [rpm] | 1400 |
| IP | 54 |
| Insulation class | F |
| Operating temperature | up to +70°C |

| Thermal power of units with water heater | |
|--|------|
| Number of heater row | I |
| Air flow [m ³ /h] | 2100 |

| Thermal power [kW], outflow air temperature [°C] and resistance of water flow [kPa] | | | | |
|---|-----------------------|------|----|-----|
| Water temp. [°C] | Inflow air temp. [°C] | kW | °C | kPa |
| 90/70 | 0 | 13,6 | 18 | 3,1 |
| | 10 | 11,5 | 25 | 2,2 |
| | 20 | 9,5 | 33 | 1,5 |
| 80/60 | 0 | 11,6 | 15 | 2,3 |
| | 10 | 9,5 | 23 | 1,5 |
| | 20 | 7,6 | 30 | 1,1 |
| 70/50 | 0 | 9,6 | 12 | 1,5 |
| | 10 | 7,6 | 20 | 1,2 |
| | 20 | 5,7 | 28 | 1,0 |

| | | | | |
|--------------|-----------|------------|-----------|------------|
| 60/40 | 0 | 7,7 | 10 | 1,0 |
| | 10 | 5,7 | 17 | 0,9 |
| | 20 | 4,0 | 25 | 0,8 |

| Unit noise level | |
|----------------------------|-----------|
| Noise level [dB(A)] | 54 |
| Unit weight | |
| Weight [kg] | 15 |

TROPIC-1-II

DIMENSIONS



| Fan specifications | |
|-----------------------|-------------|
| Voltage [V] | 230 |
| Motor power [kW] | 0,13 |
| Current [A] | 0,59 |
| Speed [rpm] | 1400 |
| IP | 54 |
| Insulation class | F |
| Operating temperature | up to +70°C |

| Thermal power of units with water heater | |
|--|------|
| Number of heater row | II |
| Air flow [m³/h] | 2100 |

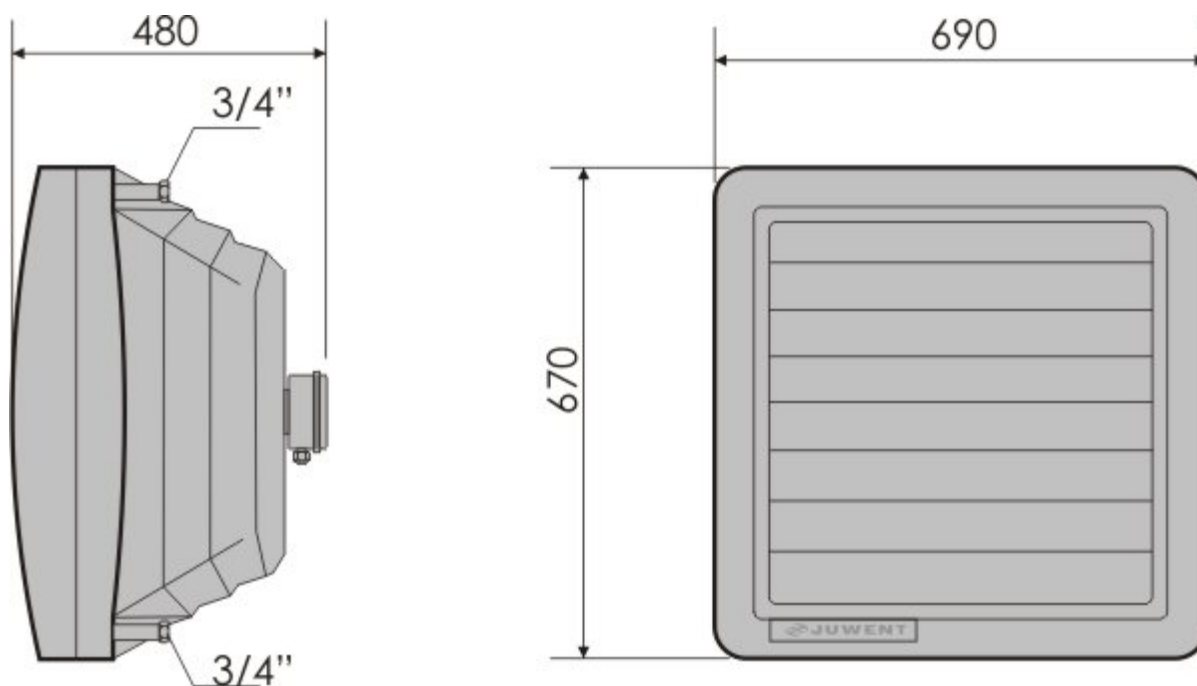
| Thermal power [kW], outflow air temperature [°C] and resistance of water flow [kPa] | | | | |
|---|-----------------------|------|----|------|
| Water temp. [°C] | Inflow air temp. [°C] | kW | °C | kPa |
| 90/70 | 0 | 25,6 | 36 | 22,0 |
| | 10 | 21,7 | 41 | 16,2 |
| | 20 | 17,9 | 47 | 11,0 |
| 80/60 | 0 | 21,9 | 31 | 16,9 |
| | 10 | 18,1 | 36 | 10,4 |
| | 20 | 14,4 | 42 | 7,4 |
| 70/50 | 0 | 18,3 | 25 | 10,4 |
| | 10 | 14,6 | 31 | 7,3 |
| | 20 | 11,1 | 37 | 4,2 |

| | | | | |
|--------------|-----------|------|----|-----|
| 60/40 | 0 | 14,7 | 21 | 7,4 |
| | 10 | 11,2 | 26 | 4,3 |
| | 20 | 7,8 | 32 | 2,1 |

| Unit noise level | |
|---------------------|----|
| Noise level [dB(A)] | 54 |
| Unit Weight | |
| Weight [kg] | 17 |

TROPIC-2-I

DIMENSIONS



| Fan specification | |
|-----------------------|-------------|
| Voltage [V] | 230 |
| Moto power [kW] | 0,39 |
| Current [A] | 1,75 |
| Speed [rpm] | 1290 |
| IP | 44 |
| Insulation class | F |
| Operating temperature | up to +60°C |

| Thermal power of units with water heater | |
|--|------|
| Number of heater row | I |
| Air flow [m ³ /h] | 5600 |

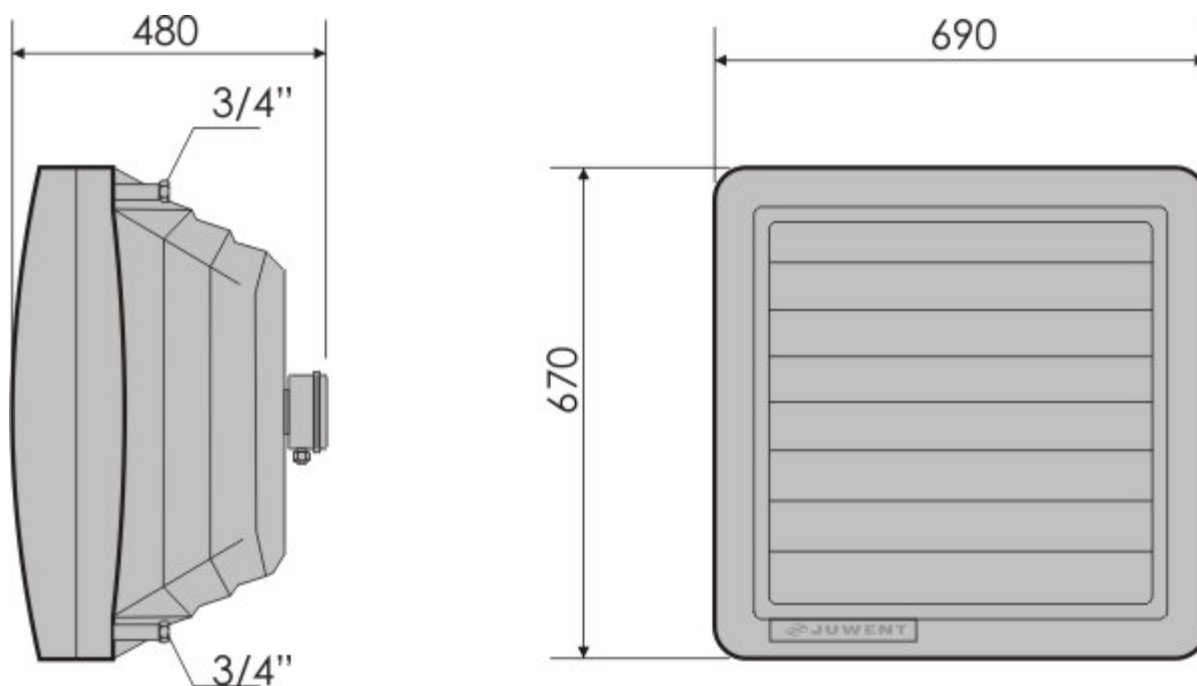
| Thermal power [kW], outflow air temperature [°C] and resistance of water flow [kPa] | | | | |
|---|-----------------------|------|----|------|
| Water temp. [°C] | Inflow air temp. [°C] | kW | °C | kPa |
| 90/70 | 0 | 36,5 | 18 | 23,7 |
| | 10 | 30,8 | 26 | 17,0 |
| | 20 | 25,4 | 33 | 11,5 |
| 80/60 | 0 | 31,0 | 15 | 17,1 |
| | 10 | 25,5 | 23 | 11,6 |
| | 20 | 20,3 | 31 | 7,4 |

| | | | | |
|--------------|-----------|------|----|------|
| 70/50 | 0 | 25,6 | 12 | 11,7 |
| | 10 | 20,4 | 20 | 7,4 |
| | 20 | 15,4 | 28 | 4,2 |
| 60/40 | 0 | 20,5 | 10 | 7,5 |
| | 10 | 15,4 | 18 | 4,3 |
| | 20 | 10,6 | 25 | 2,0 |

| Unit noise level | |
|---------------------|----|
| Noise level [dB(A)] | 60 |
| Unit weight | |
| Weight [kg] | 32 |

TROPIC-2-II

DIMENSIONS



| Fan specification | |
|-----------------------|-------------|
| Voltage [V] | 230 |
| Moto power [kW] | 0,39 |
| Current [A] | 1,75 |
| Speed [rpm] | 1290 |
| IP | 44 |
| Insulation class | F |
| Operating temperature | up to +60°C |

| Thermal power of units with water heater | |
|--|------|
| Number of heater row | II |
| Air flow [m ³ /h] | 5300 |

| Thermal power [kW], outflow air temperature [°C] and resistance of water flow [kPa] | | | | |
|---|-----------------------|------|----|------|
| Water temp. [°C] | Inflow air temp. [°C] | kW | °C | kPa |
| 90/70 | 0 | 60,5 | 32 | 25,9 |
| | 10 | 51,2 | 37 | 18,0 |
| | 20 | 42,3 | 44 | 12,5 |
| 80/60 | 0 | 51,6 | 26 | 18,1 |
| | 10 | 42,7 | 33 | 13,5 |
| | 20 | 34,1 | 39 | 8,0 |

| | | | | |
|--------------|-----------|------|----|------|
| 70/50 | 0 | 43,0 | 22 | 13,4 |
| | 10 | 34,3 | 28 | 7,9 |
| | 20 | 26,0 | 34 | 4,7 |
| 60/40 | 0 | 34,6 | 18 | 8,0 |
| | 10 | 26,2 | 24 | 5,1 |
| | 20 | 18,2 | 30 | 2,3 |

| Unit noise level | |
|---------------------|------|
| Noise level [dB(A)] | 60 |
| Unit weight | |
| Weight [kg] | 33,5 |