

ELECTRIC HEATER

THERMO AC/DC



THIS HEATER HAS THE WATTAGE

For optimum thermal management in hybrid, electric, hydrogen and trolleybuses, Spheros offers the Thermo AC/DC all-electric heater. The independently operated heater with direct (600 VDC) or alternating current (400 VAC) is our answer to the drives of the future.

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THERMO AC/DC – 100% EMISSION-FREE HEATING



HIGHLIGHTS



Low life-cycle costs

- Minimum maintenance
- High level of efficiency: efficiency factor of > 98%



Environmentally friendly

- 100% emission-free heating
- Almost noiseless
- No annoying exhaust fumes
- Emission-free preheating
- Booster heating in zero-emission zones



Comfort

- High reliability by proven temperature sensors
- Use in enclosed spaces and at the depot
- Use in trolleybuses as a full heating system

TECHNICAL DATA

| | Thermo AC 200 | Thermo AC 070 ¹⁾ | Thermo AC 130 ¹⁾ | Thermo DC 200 ¹⁾ |
|---------------------------|---------------------|-----------------------------|-----------------------------|-----------------------------|
| Heat output (BTU/hr) | 68,243 | 23,885 | 44,358 | 68,243 ²⁾ |
| Supply voltage (V) | 400 VAC / 3~ | 400 VAC / 3~ | 400 VAC / 3~ | 600 - 750 VDC |
| Current consumption (A) | approx. 30 | approx. 10 | approx. 20 | 600V = 26 A / 750V = 32 A |
| Volume flow (l/h) | > 1500 | > 1500 | > 1500 | > 1500 |
| Operating pressure (bar) | max. 2.0 | max. 2.0 | max. 2.0 | max. 2.0 |
| Weight (lbs) | 33 | 28 | 31 | 35 |
| Dimensions L x W x H (in) | 22.75 x 9.72 x 8.86 | 22.75 x 9.72 x 8.86 | 22.75 x 9.72 x 8.86 | 22.75 x 9.72 x 8.86 |

¹⁾ On request ²⁾ Nominal heat flow dependent on voltage applied



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