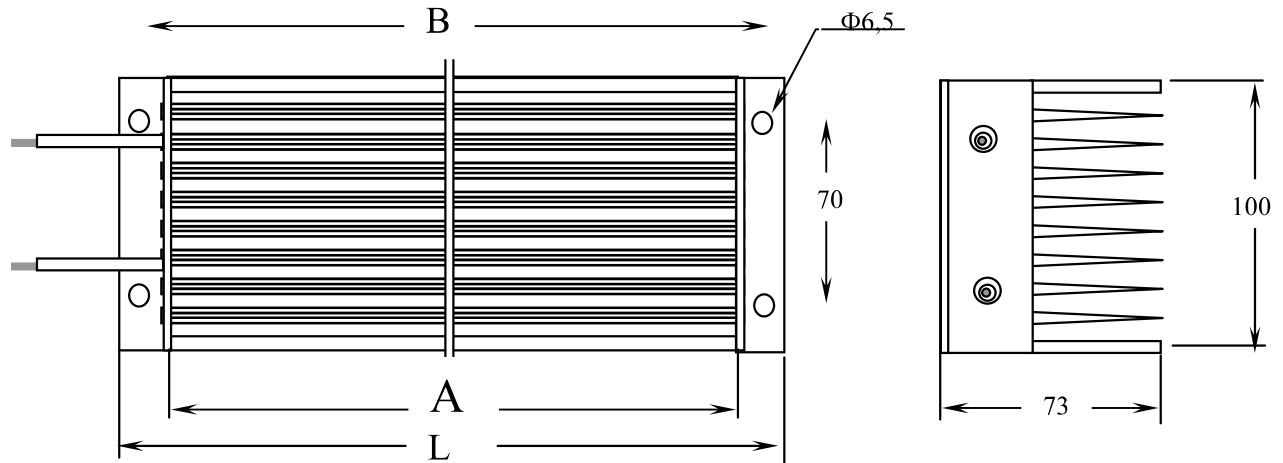




ALUMINIUM HOUSED POWER WIREWOUND RESISTOR STYLE RFH 1000 & RFH 1400 & RFH 1900



| Resistor Style | Dimension "L" | Dimension "A" | Dimension "B" | Weight |
|----------------|---------------|---------------|---------------|---------|
| RFH 1000 | 246 | 202 | 230 | ≅Kg 2,5 |
| RFH 1400 | 311 | 267 | 295 | ≅Kg 3,2 |
| RFH 1900 | 366 | 322 | 350 | ≅Kg 4 |

Standard length of cables 300 mm - Cross-section 4 mm²

1.FEATURES

These types of resistors are an implementation of the series RFH 350 | 1100. They are a range of good quality products with a case in aluminium, designed to achieve a good level of protection (IP54) and a good dielectric strength.

The special construction technology makes use only of inorganic materials so as to permit confidence of use beyond 400°C and to ensure a good endurance to adiabatic impulses and to thermal dissipation.

These characteristics and the mounting facility make this SRF style an appropriate choice where high reliability is required even in heavy duties as:

- Brake resistors
- inverter
- snubber
- very large capacity discharge

This type of resistor doesn't need the use of a heat sink.

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N. 590721

DATA SHEET

Approval Walter Cerutti
Verified Mauro Pellegatta
Revision 4 29/05/00

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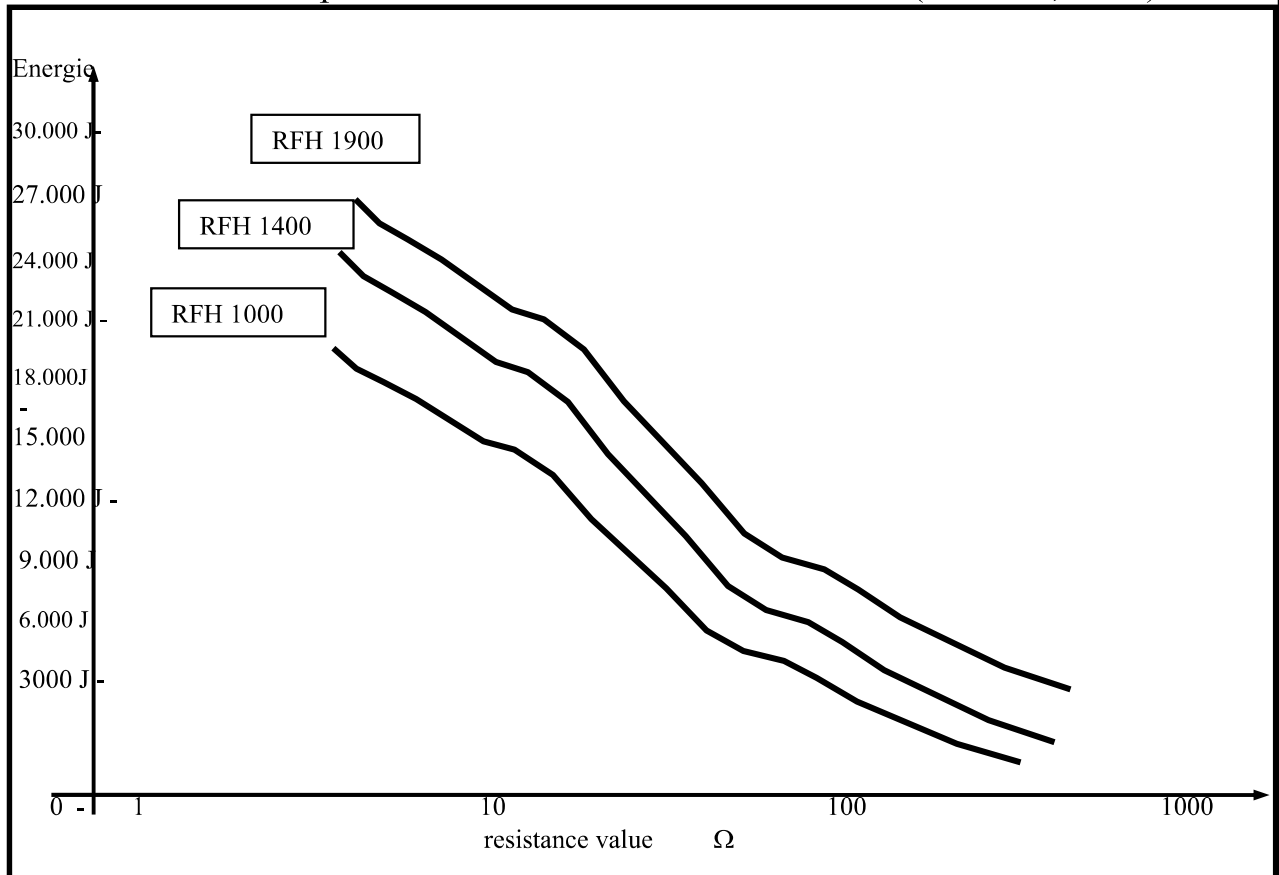
Emission DT 03/06/99

2. ELECTRICAL SPECIFICATIONS

| Characteristics | RFH 1000 | RFH 1400 | RFH 1900 |
|---|-------------|-------------|-------------|
| Power rating (Pr) ◆ | 1000W | 1400W | 1900 W |
| Temperature rise @ Pr | 380°C | 380°C | 410°C |
| Suggested continuous power max. ◆ | 750 W | 1.100 W | 1300 W |
| Absorbed energy @ 250°C ΔT | 450.000 J | 600.000 J | 750.000 J |
| Absorbed energy in 5" overload | 36.000 | 55.000 | 85.000 J |
| Resistance range | 6,8 300 Ω | 6,8 300 Ω | 6,8 300 Ω |
| Resistance tolerance | ±5% | ±5% | ±5% |
| Parasitic capacity from 10Hz to 100 kHz | 200 pF | 220 pF | 250 pF |
| Max. working voltage | 1200 V | 1200 V | 1200 V |
| Isolation resistance @ 1000 VDC | ≥250 MΩ | ≥250 MΩ | ≥250 MΩ |
| Dielectric strength @ 50 Hz for 1' | 4.000 Vrms | 4.000 Vrms | 4.000 Vrms |
| Thermal time constant | 19' | 19' | 18' |

◆ Vertical mounting suggested

3. Max. adiabatic impulse in relation to the resistance value (Time < 0,1 sec.)



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