



N. 640230

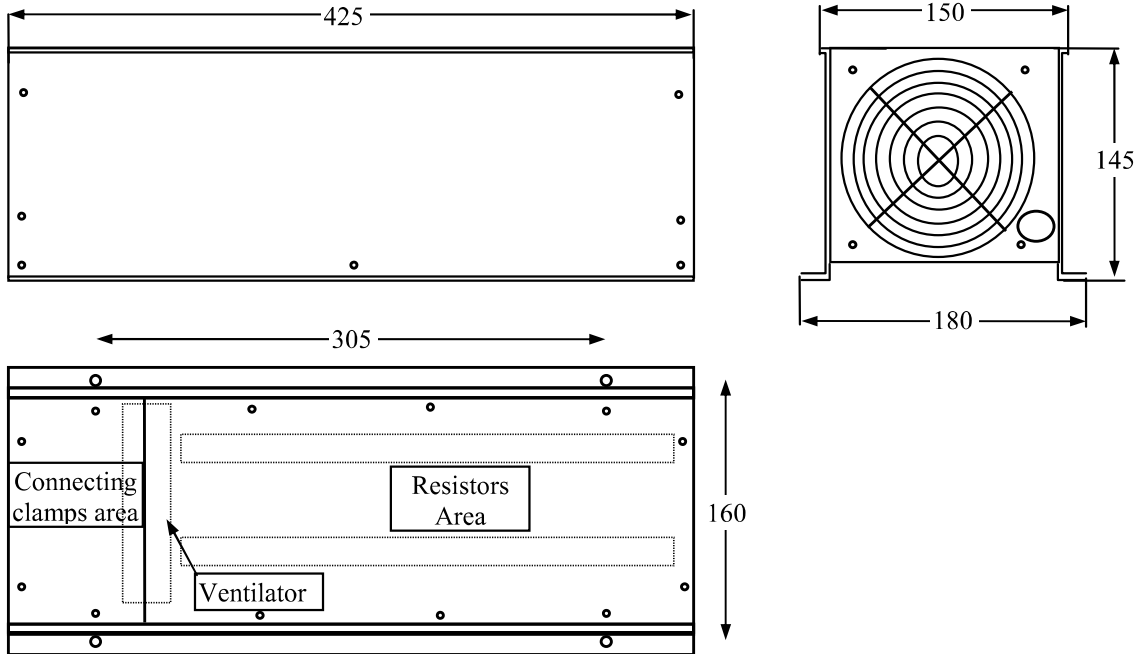
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DATA SHEET

Approval Walter Cerutti
Verified Mauro Pellegatta

Revision 0 12.03.96
Emission DT 12.03.96

VENTILATED RESISTORS GROUP mod. BUV 1 (4000 W max)



1. DESCRIPTION

Frequently, in dynamic braking, when the continuous power is higher than 1000 W, it arises the requirement of a ventilated and protected resistors group that may be employed like an independent unit.

The resistors group type BUV 1 & BUV 2 (see Data Sheet 64240) are studied to meet this need, when the required load is between 1000 and 8000 W.

The finishing surface of the metallic box is zinc-galvanised, but it is possible to receive the varnished version.

2. GENERAL CHARACTERISTICS

A resistors group, suitable to stand the required load or impulse duty cycle, is mounted in the ventilated box. The following characteristics are common to all models.

2.1 Dielectric strength (1'@ 50Hz)	4.500 Vrms. (resistors/box) 3.000 Vrms. (Auxiliaries Clamps/box)
2.2 Isolation resistance (@ 1000V)	> 10.000 MΩ
2.3 Resistance range	2 10.000 Ω
2.4 Tolerance	± 5%
2.5 Connecting clamps	Resistor N° 2 of 6 Ventilator N° 2 of 4 Thermostat (on request) N° 2 of 4 Earth N° 1 of 6

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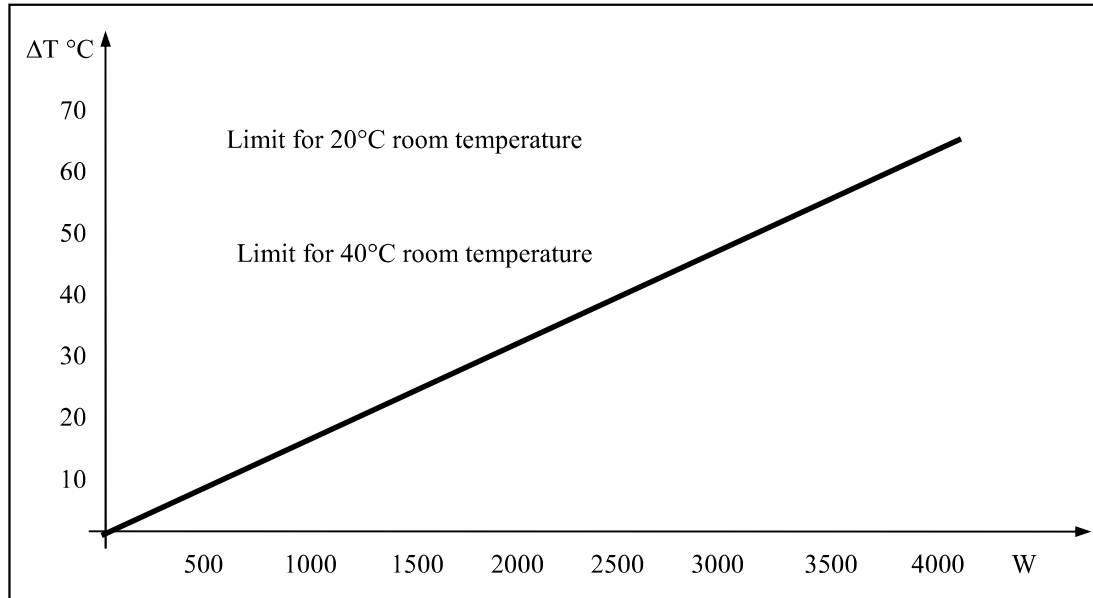
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2.6 Graph Load/Outlet over temperature



NOTE -

The limits fixed by the dotted lines, show the maximum admitted load to avoid the temperature of outlets gets beyond 80°C.

Beyond this temperature, the security norms impose to signal the high temperature or to protect from incidental contacts.

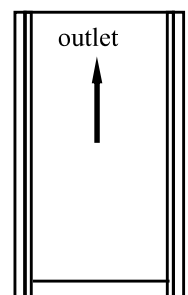
3. SPECIAL FEATURES

On request, it is possible to receive the following semistandard executions:

- 3.1 - with security thermostat.
- 3.2 -with non inductive winding.
- 3.3 -with 2 resistance value
- 3.4 -with varnished box (RAL 7032)

4. ASSEMBLING INSTRUCTIONS

The correct mounting is vertical with outlet leaving the upper side.
Horizontal mounting is practicable with 30% derating.



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