



N. 640300

foglio 1 di 3

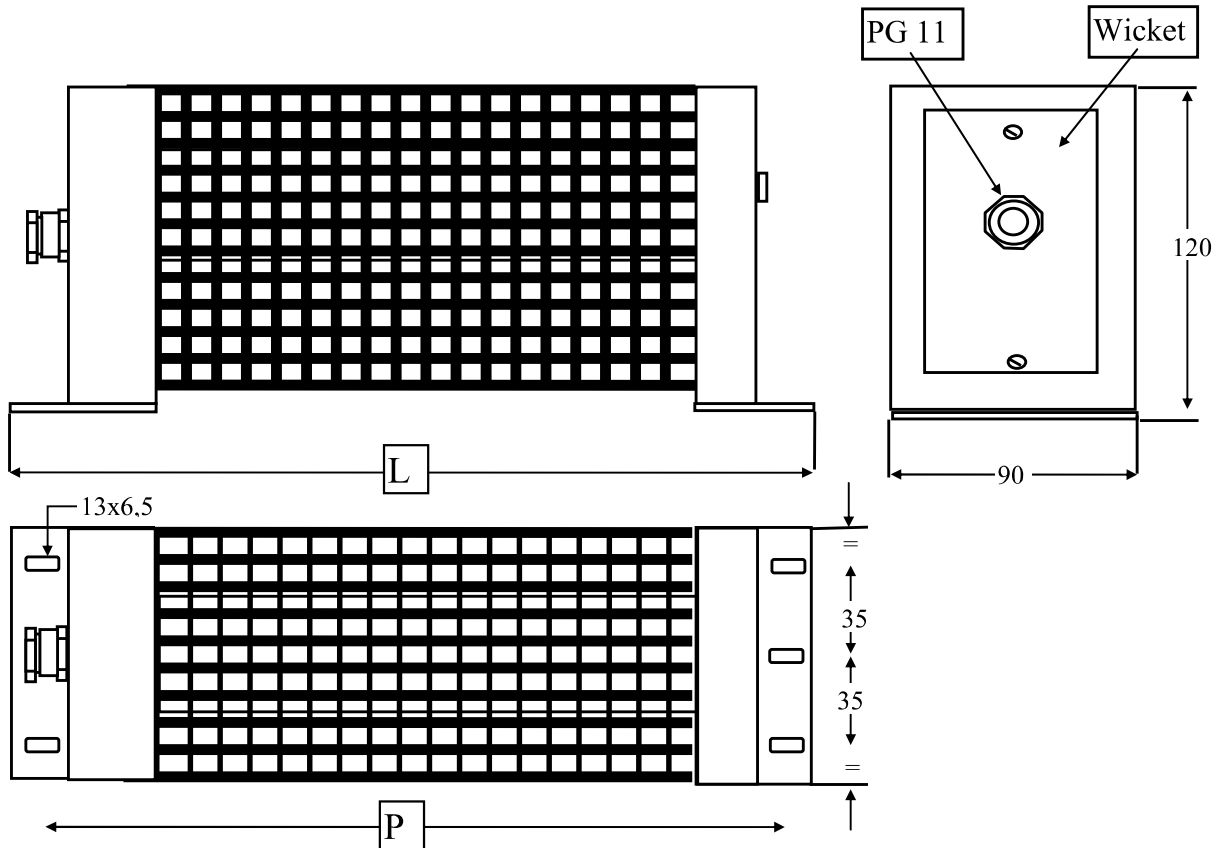
DATA SHEET

Approval Walter Cerutti
Verified Mauro Pellegatta

Revision 1 16.05.1997

Emission DT 14.01.1997

BRAKE RESISTOR IN METALLIC CASE mod. BRR.



STYLE	L±5	P±5	Rated power
BRR 500	310	290	500 W
BRR 800	410	390	800 W
BRR 1K0	510	490	1050 W
BRR 1K3	610	590	1300 W

1. DESCRIPTION

Frequently in the dynamic braking, when the continuous power is between 500 W and 12.000W, it arises the requiring for a protected resistors (or resistors group) that may be employed like an independent unity.

The resistors type BRR . and BDR . (see Data Sheet 64310) are resistor in punched plate box studied to meet this exigency,
The finishing surface of the metallic box is white zinc-galvanised.

2. GENERAL CHARACTERISTICS

A resistors group suitable to stand to the required load or impulses duty cycle is mounted in a punched plate box that facilitate the natural ventilation.

Removing the wicket it is possible to attain to the ceramic clamp to connect the resistor.

The following graphics "Load versus Temperature" may give an idea of the application possibility of these resistors

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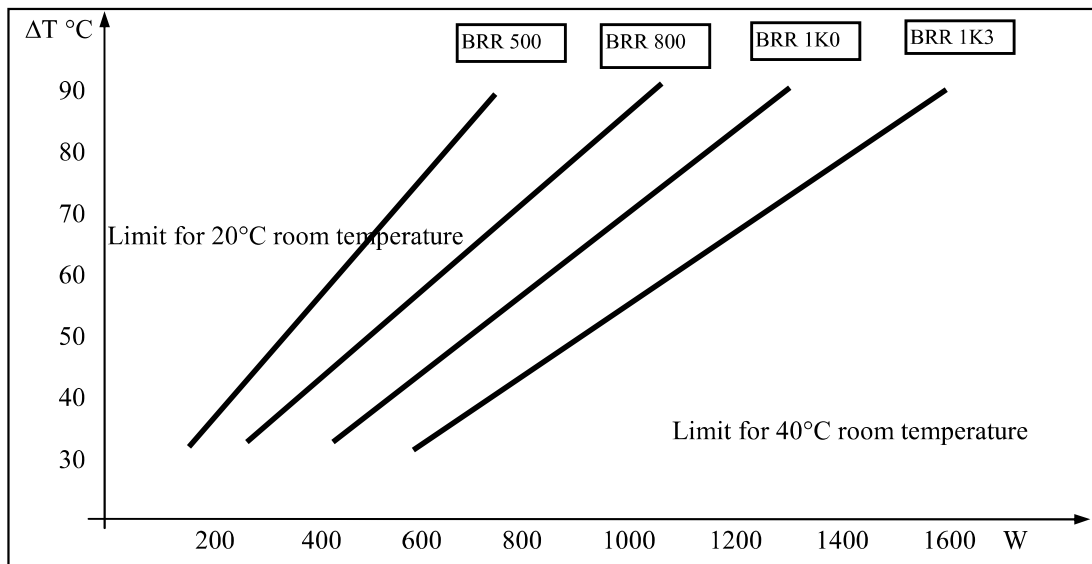
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BRAKE RESISTOR IN METALLIC CASE mod. BRR.

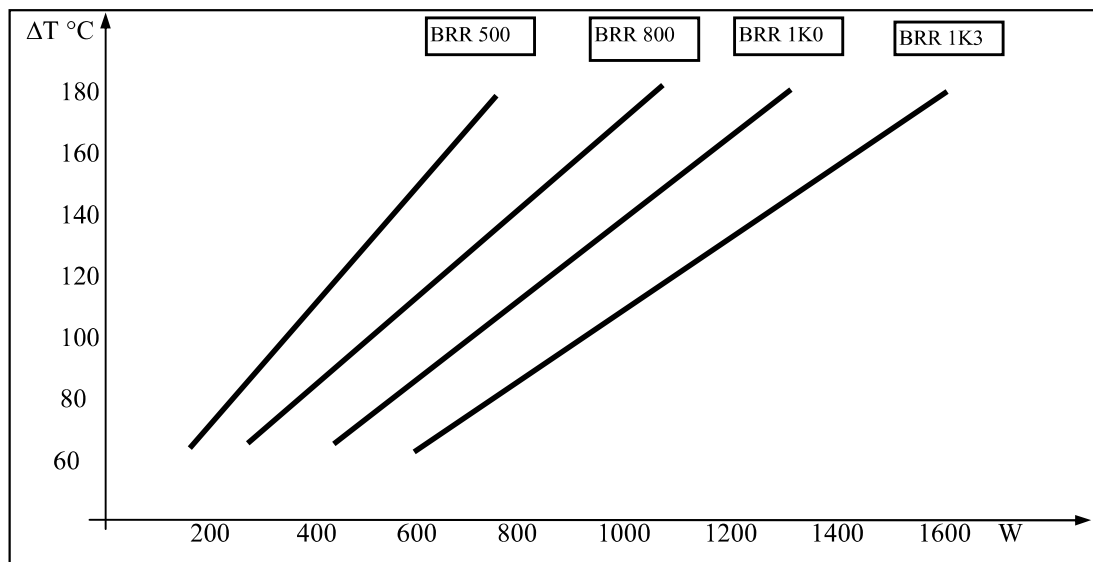
Other main characteristics are:

2.1 Dielectric strength (1'@ 50Hz)	4.500 rms (resistors/box)	
2.2 Isolation resistance (@ 1000V)	> 10.000 MΩ	
2.3 Resistance range	2 10.000 Ω	
2.4 Tolerance	± 5%	
2.4 Overload	5 times the rated power for 10''	
2.6 Connecting clamps (ceramic)	Resistor	N° 2 of 4mm ²
	Earth	N° 1 Screw M4

2.6 Graph Load/Protection grid temperature



2.7 Graph Load/Outlet over temperature



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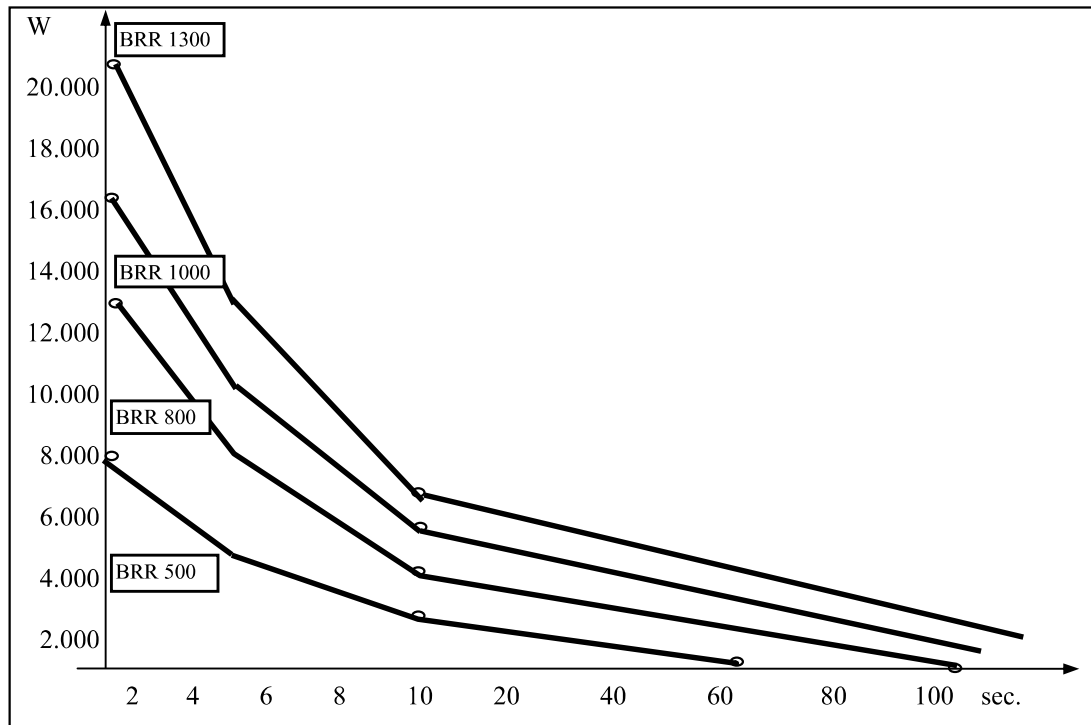
BRAKE RESISTOR IN METALLIC CASE mod. BRR

NOTE -

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

Over this temperature the security norms impose to signal the high temperature or to protect by the incidental contacts.

2.8 Graph Overload/Application time



3. SPECIAL FEATURES

On request it is possible to achieve the following semistandard executions:

- 3.1 - with security thermostat (e.g. BRR500T)
- 3.2 -with non inductive winding. (e.g. BRRN500)
- 3.3 -with two resistance values (e.g. BRRP500)

4. ASSEMBLING INSTRUCTIONS

The correct mounting is Horizontal
. Vertical mounting is not practicable.

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