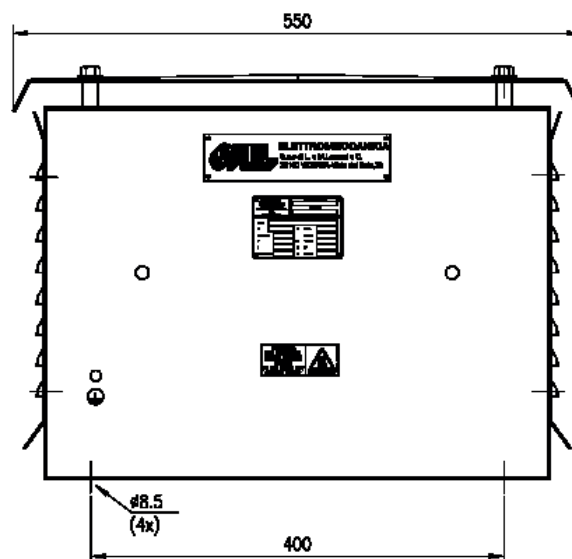
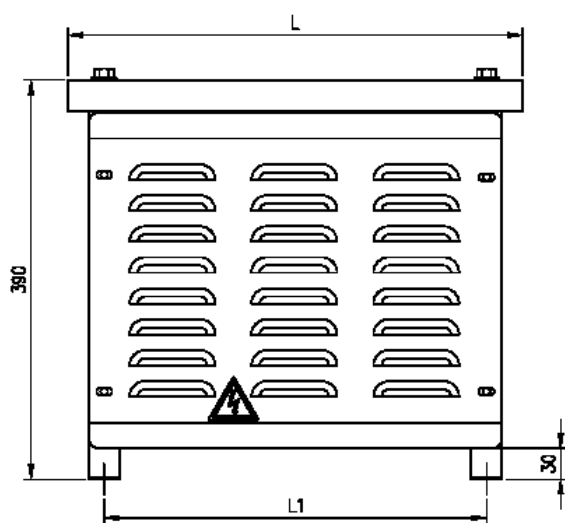




POWER GRID RESISTORS WITH CASE MODEL RAG

TECHNICAL DESIGN

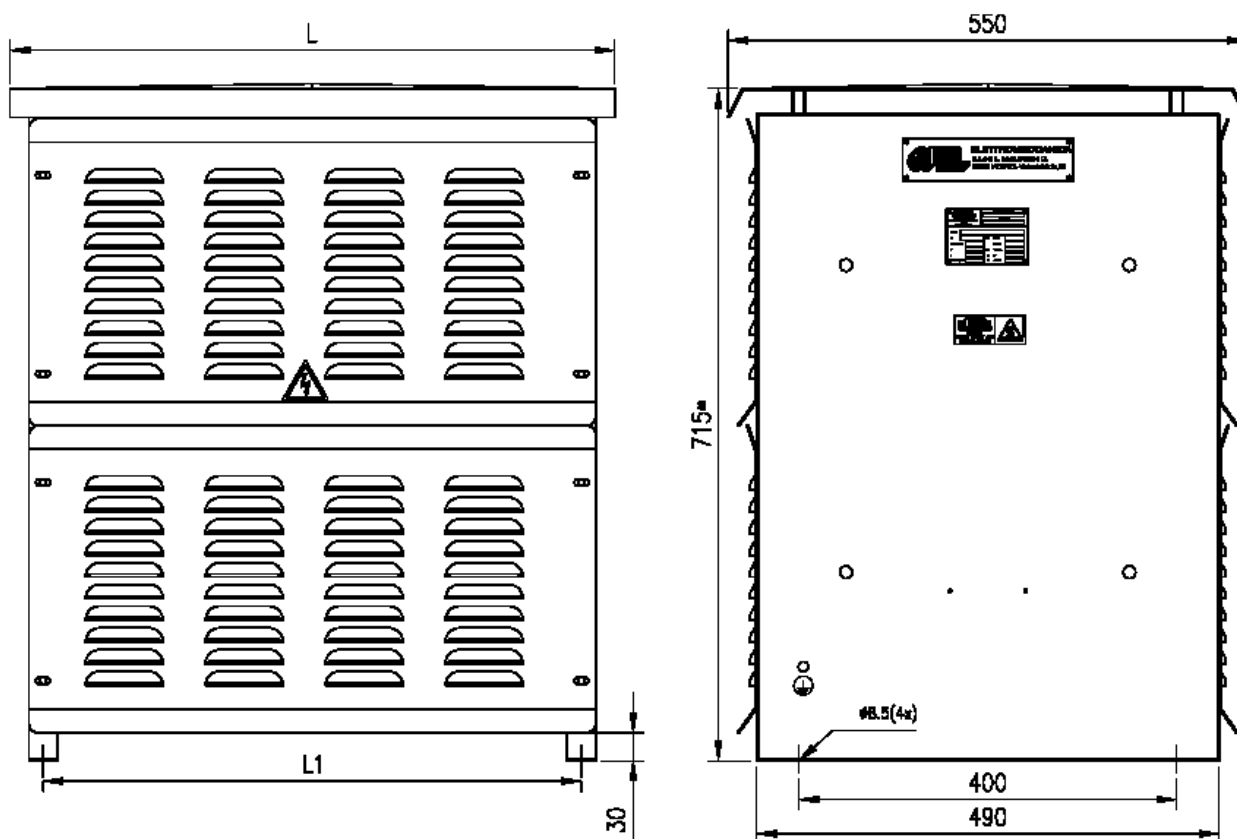
RAG 1 OR – 2 OR – 3 OR – 4 OR



ELECTRICAL CHARACTERISTICS

- Standard tolerance: $\pm 10\%$
- Temperature coefficient ≤ 100 ppm/ $^{\circ}\text{C}$
- Level of Protection: IP22 Standard – IP 23
- Connection directly on resistor terminals from the open bottom

RAG 21 OR - 22 OR - 23 OR - 24 OR



GENERAL FEATURES

The GRF Grid Type Resistor Groups may be supplied assembled in packs and connected serially or in parallel (depending on the final ohm value), mounted and fixed inside a galvanised steel case with an open bottom and lateral slots for cooling.

The high quality of the materials used to produce this type of resistor makes it particularly suited in the case of high current and low resistance values; in fact, these resistors are used in the start up and adjustment of large motors, in electrical braking (lifting) and in loading systems for generating sets, test benches, harmonics suppressors and grounding of the star centre. The conformation of the grid permits great flexibility in adding additional intermediate fixed sockets.

OPTIONAL

- Application of a protective thermostat
- Intermediate sockets
- Off standard tolerances
- Epoxy powder paint in RAL colours on request.
- Special cases
- Level of IP protection provided on request (compatibly with production)

GENERAL FEATURES

| TYPE | RAG 1 OR | RAG 2 OR | RAG 3 OR | RAG 4 OR | RAG 21 OR | RAG 22 OR | RAG 23 OR | RAG 24 OR | RAG 33 OR | RAG 34 OR |
|----------------------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Power rating | 3,5 KW | 6,5 KW | 11,5 KW | 16,5 KW | 7 KW | 13 KW | 23 KW | 33 KW | 35 KW | 50 KW |
| Resistance range | 0R03 ÷ 33R | 0R01 ÷ 60R | 0R01 ÷ 100R | 0R01 ÷ 150R | 0R01 ÷ 66R | 0R01 ÷ 120R | 0R01 ÷ 200R | 0R01 ÷ 300R | 0R01 ÷ 300R | 0R01 ÷ 450R |
| Dielectric strength | 3000 V | 3000 V | 3000 V | 3000 V | 3000 V | 3000 V | 3000 V | 3000 V | 3000 V | 3000 V |
| Insulation Resistance | ≥100 MΩ | ≥100 MΩ | ≥100 MΩ | ≥100 MΩ | ≥100 MΩ | ≥100 MΩ | ≥100 MΩ | ≥100 MΩ | ≥100 MΩ | ≥100 MΩ |
| Tolerances of resistance | ± 10% | ± 10% | ± 10% | ± 10% | ± 10% | ± 10% | ± 10% | ± 10% | ± 10% | ± 10% |
| DIMENSIONS (Ref. Drawing) | RAG 1 O R | RAG 2 O R | RAG 3 O R | RAG 4 O R | RAG 21 O R | RAG 22 O R | RAG 23 O R | RAG 24 O R | RAG 33 O R | RAG 34 O R |
| Width (mm) | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 | 550 |
| Depth L" mm | 320 | 440 | 640 | 840 | 320 | 440 | 640 | 840 | 640 | 840 |
| Height (mm) | 390 | 390 | 390 | 390 | 720 | 720 | 720 | 720 | 1050 | 1050 |
| Wheelbase "L1" mm | 250 | 370 | 570 | 770 | 250 | 370 | 570 | 770 | 570 | 770 |

ASSEMBLY INSTRUCTIONS

