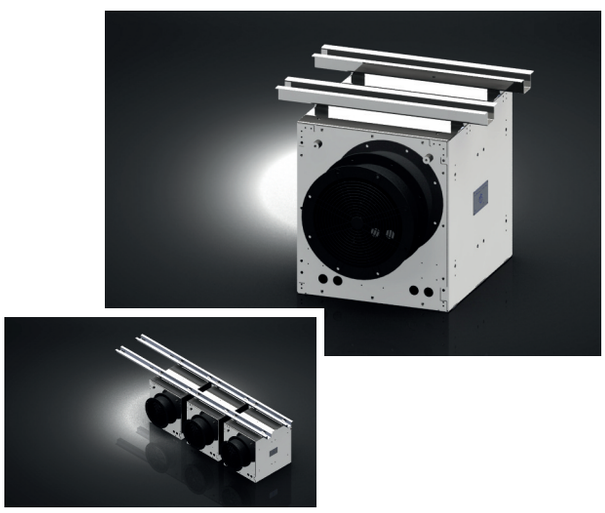
Resistors

Compact Resistor



Functions
Compact Resistors are used to dissipate a continuous or cycling electrical load into heat.

General characteristics
Compact Resistors could be installed on the vehicles by easy adaptation of the fixation beams in accordance with customer requirements.

Main characteristic are:
- Standard components
- Compact design
- Modular solution
- High continuous rated power for resistor module, up to 150 kW.

Resistor elements are assembled in banks by means of strong rods and ceramic spacers. Segments of resistor banks are mounted in a strong support frame of AISI304 stainless steel.
Stainless steel is also used for bolts, nuts and washers.
Resistors are designed by our engineers with a sophisticated 3D model and are made to withstand shocks and vibrations that normally occur in operation.
Design and production, strictly follows our ISO 9001:2008 and IRIS Rev. 2 quality standards as well as the most severe international specifications.
All our resistors are type tested at our test lab where real service conditions can be reproduced via mock-up and motion air flow simulation

Main Characteristics	
Position	Roof or under frame installation
Cooling type	Forced air cooled

Technical Characteristics	
Operating voltage [V]	750 ÷ 1500
Duty Cycle	Continuous and Peak Power
Resistor dimension [mm]	750x700x600
Resistor weight [kg]	90
Ohmic value [Ohm]	0.5 ÷ 2
Continuous power [kW]	150
Peak power [kW]	400
Insulation stage 1 [V]	3000
Insulation stage 2 [V]	7000
Inductance	<20

Fan Datasheet	
Diameter [mm]	350
Power [kW]	1.05
Voltage [V]	400
Frequency [Hz]	50
Poles number	2

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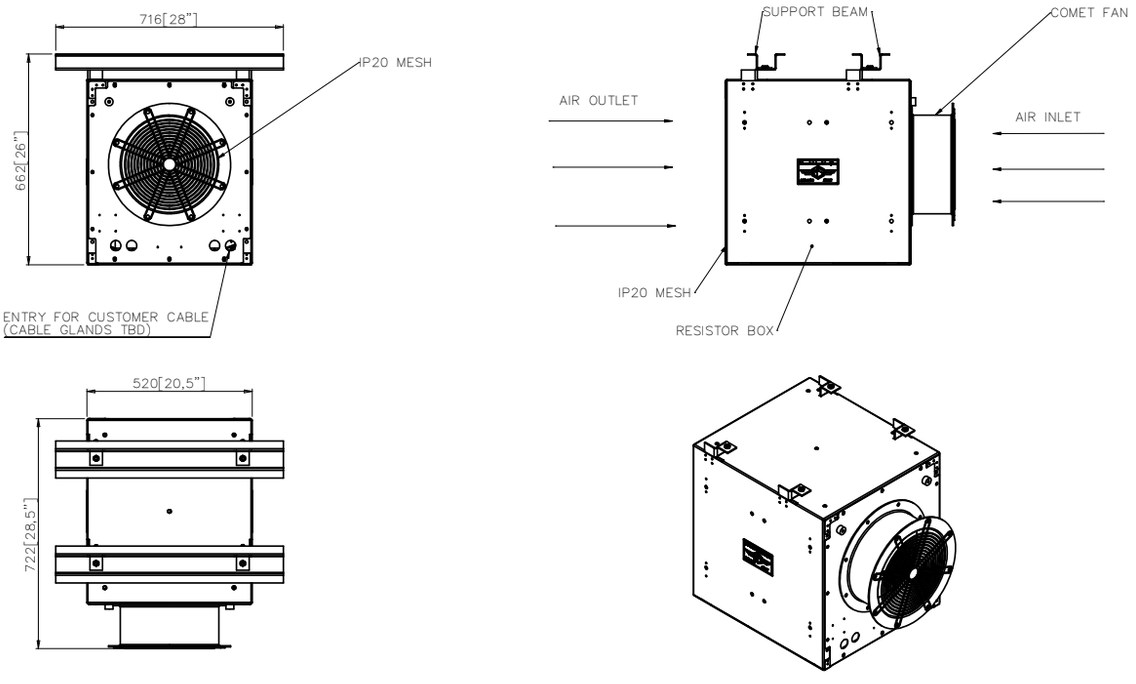
Resistors

COMPACT RESITOR

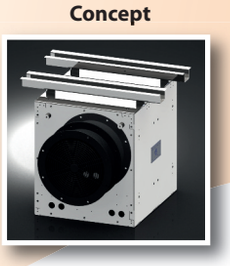
Compact Resistor



FOR EXIBITION PURPOSE ONLY

EXAMPLE APPLICATION:
On the veichle

Modular Resistor Concept



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