



Type series FAV 3../FSV 3..

70 – 500 kW with several terminals



FAV... Steel-grid fixed resistor unit, degree of protection IP 20, without weatherproof roof, air outlet on top,

FSV... Steel-grid fixed resistor unit, degree of protection IP 23 with weatherproof roof, for outdoor location, air outlet at the side via air deflectors in the upper area.

In completely closed zinc sheet enclosure with protective grid at the bottom and powered ventilation by an integrated ventilator. With air flow monitoring by wind indicator relay. Ceramic insulated flat or bolt terminals of 35A up to 400A in variable combinations available or copper busbar.

Technologies

- for high power ratings
- power ventilated by integrated 230/400 V; 50 Hz axial flow fan
- for floor-level location
- continuous dissipation up to 500 kW
- paralleling of 2 or more units for even higher powers
- for outdoor location (FS...)

The necessary terminals are mounted on a terminal strip in the lower part of the device and are accessible after demounting a cover. Behind the cover is a unbored conduit strip in which you can drill the needed holes for cable glands.

By the use of steel-grid elements with a typical power of 1100 W up to 1700 W per steel-grid with forced ventilation we cover a power range of up to 500 kW per unit. Higher power ratings can be achieved by parallel connection of several devices.

Application

An important application is the use as load resistor for the testing of emergency power installations. Protection degree IP 20 is sufficient for installing in factory rooms, IP23 is necessary for outdoor location.

Special design

- with integrated switching devices in an attached switch cabinet to control the partial resistors
- with 2 temperature switches wired on terminals.
- special voltages of fan
- please ask for devices with higher power ratings or other construction forms
- mobile, for test areas by rollers

Electrical and mechanical data

type FAV 3.. FSV 3..	max. typical power in kW at 40°C and 100% DCF	max. number of steel-grids corresp. to given size of device	dimensions in mm						max. weight in kg
			A	B	C	D	E	F	
F.V 38568..	75	68	1200	1240	800	700	795	770	142
F.V 38602..	110	102	1500	1540	800	700	795	770	185
F.V 38776..	185	176	1400	1450	955	850	995	970	265
F.V 38864..	250	264	1700	1750	955	850	995	970	370
F.V 38976..	300	176	1820	1875	1190	1000	1004	980	350
F.V 39052..	500	352	2230	2285	1190	1000	1004	980	480

This table represents only the maximum number of steel-grids of the specific size of unit and the corresponding maximum typical power. Many specifications depending on customer requirement are possible. For the application as load resistor please look on page T431E.

Standard resistors as brake - resistor

type FAV..	partial resistors in kW (examples)	FAV..
FAV 3856608	75	16 M 0182 type 385-388; 16M-0786-00-001 type 389-390
FAV 3860010	2 x 50	
FAV 3860208	110	
FAV 3873610	2 x 70	
FAV 3877608	185	
FAV 3881610	2 x 100	
FAV 3885208	250	
FAV 3896812	3 x 100	
FAV 3897608	300	
FAV 3908810	2 x 200	
FAV 3905208	500	

type FSV..	partial resistors in kW (examples)	FSV..
FSV 3856808	75	16 M 0088 type 385-388; 16M-0786-00-002 type 389-390
FSV 3867210	2 x 40	
FSV 3860208	110	
FSV 3874408	150	
FSV 3877608	185	
FSV 3880408	220	
FSV 3885208	250	
FSV 3897610	2 x 150	
FSV 3897608	300	
FSV 3908808	400	
FSV 3905208	500	