

RSD

High Temperature Exhaust Fan

KW

KUTZNER + WEBER



APPLICATIONS

- All gas and solid fuel burning cooking appliances
- All gas and solid fuel burning fireplaces
- All gas, liquid, and solid fuel domestic heating appliances

LISTINGS & RATINGS

- UL378, Standard for Draft Equipment, rated up to 1,000°F continuous and 1,400°F abnormal
- UL705, Standard for Power Venter
- UL762, Standard for Power Roof Ventilators, for restaurant exhaust appliances

FUNCTION

Maintains the required draft for fireplaces, cooking appliances, and domestic heating appliances when used with the FSC Fan Speed Controller, MUC Controller, or H100 Controller.

CONSTRUCTION

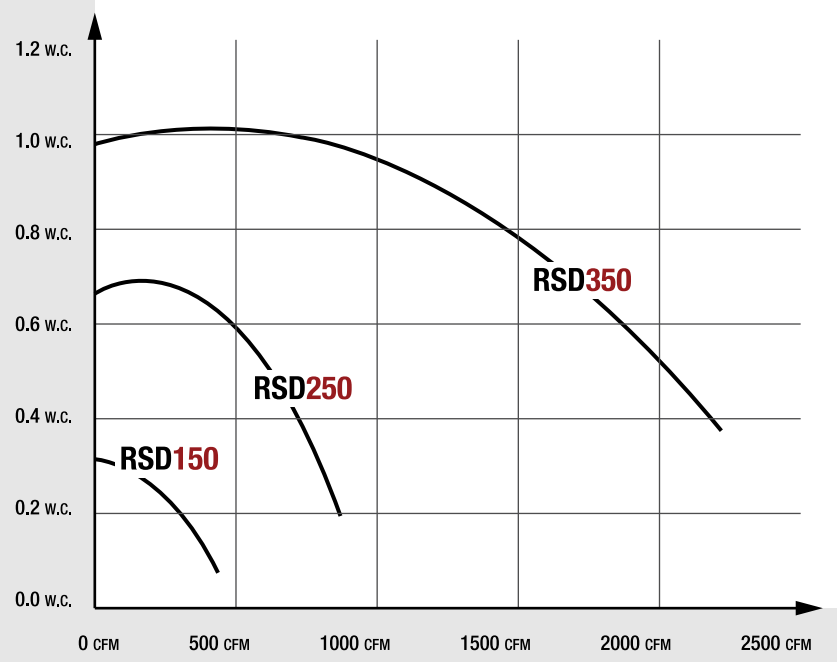
- 316L stainless steel housing and fan impeller
- Tool-less hinge and clamp for easy cleaning and maintenance
- Permanent split capacitor motor protected from flue gas

DESCRIPTION

The RSD high temperature exhaust fan maintains the required negative pressure for all high temperature chimney, flue, and grease duct applications up to 2100 CFM. The RSD housing and impeller is constructed of 316L stainless steel, which helps prevent corrosion from the elements. The tool-less clamp and hinge provides easy access to the impeller for routine maintenance and cleaning.

The RSD is available with three controllers. The universal Fan Speed Controller (FSC) can set the speed of the RSD speed based on current conditions to maintain proper draft. The MUC controller can also control a mechanical damper and is wired with alarm contacts. With the optional H100 controller, the fan speed is automatically modulated to maintain a constant negative pressure in the flue as accurate as 0.01".

RSD Fan Curves



SPECIFICATIONS

Model Number	Width (in)	Height (in)	Weight (lbs)	Capacity	Power Supply	Amps
RSD150	12.5"	16"	28 lbs	450 CFM	120VAC, 1PH, 60Hz	1.0 A
RSD250	12.5"	16"	30 lbs	900 CFM	120VAC, 1PH, 60Hz	1.6 A
RSD350	16.5"	17.5"	54 lbs	2100 CFM	120VAC, 1PH, 60Hz	3.7 A

SIZING CHARTS

WOOD FIREPLACE										
AREA (sq. in.)										
	550	750	950	1250	1500	2000	2500	3000	3500	4000
DIAMETER (in.)	6	RSD150	RSD150	NR	NR	NR	NR	NR	NR	NR
	8	RSD150	RSD150	RSD250	RSD250	RSD250	NR	NR	NR	NR
	10	RSD150	RSD150	RSD250	RSD250	RSD250	RSD350	RSD350	RSD350	NR
	12	RSD150	RSD150	RSD250	RSD250	RSD250	RSD350	RSD350	RSD350	RSD350
	14			RSD250	RSD250	RSD250	RSD350	RSD350	RSD350	RSD350
	16			RSD250	RSD250	RSD250	RSD350	RSD350	RSD350	RSD350
	18				RSD250	RSD250	RSD350	RSD350	RSD350	RSD350
	20					RSD250	RSD350	RSD350	RSD350	RSD350
	22						RSD350	RSD350	RSD350	RSD350
	24							RSD350	RSD350	RSD350

OVEN	
Fan Selection	Outlet Diameter
RSD150	4
	5
	6
RSD250	6
	8
	10
RSD350	12
	14
	16

GAS FIREPLACE										
AREA (sq. in.)										
	650	850	1200	1550	1850	2150	2650	3150	3750	4500
DIAMETER (in.)	6	RSD150	RSD150	RSD250	NR	NR	NR	NR	NR	NR
	8	RSD150	RSD150	RSD150	RSD250	RSD250	NR	NR	NR	NR
	10	RSD150	RSD150	RSD150	RSD250	RSD250	RSD250	RSD350	RSD350	NR
	12			RSD150	RSD250	RSD250	RSD250	RSD350	RSD350	RSD350
	14				RSD250	RSD250	RSD250	RSD350	RSD350	RSD350
	16					RSD250	RSD250	RSD350	RSD350	RSD350
	18							RSD350	RSD350	RSD350
	20								RSD350	RSD350
	22									RSD350
	24									



NR Not Recommended
 Consult Manufacturer

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