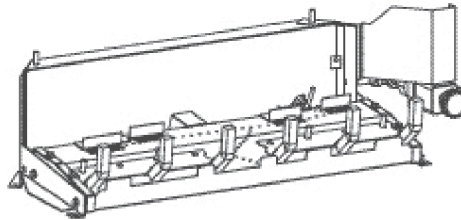




Empire Comfort Systems Inc.
 918 Freeburg Avenue
 Belleville, Illinois 62220-2623

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White Mountain Vented Gas Burners



Models
VSM-18/24/30
VSR-18/24/30



Specifications

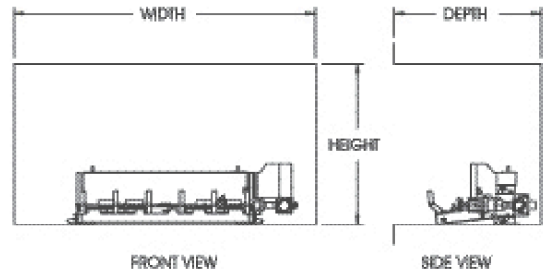
Model	Input BTUH	** Reduced Input BTUH	Minimum Front Width	Depth	Height
VSM-18*	65,000	40,000	32"	15"	22"
VSM-24*	75,000	50,000	34"	15"	22"
VSM-30*	75,000	60,000	38"	15"	22"
VSR-18†	65,000	40,000	28"	15"	22"
VSR-24†	75,000	50,000	30"	15"	22"
VSR-30†	75,000	60,000	34"	15"	22"

Model	Input KWH	**Reduced Input KWH	Minimum Front Width (cm)	Depth (cm)	Height (cm)
VSM-18*	19.0	11.7	81.3	38.1	55.8
VSM-24*	21.9	14.6	86.4	38.1	55.8
VSM-30*	21.9	17.5	96.5	38.1	55.8
VSR-18†	19.0	11.7	71.1	38.1	55.8
VSR-24†	21.9	14.6	76.2	38.1	55.8
VSR-30†	21.9	17.5	86.4	38.1	55.8

* M -Denotes manual gas valve † R - Denotes millivolt gas valve
 ** Attention: An additional main burner orifice is provided in instruction package envelope to reduce the input of the burner assembly.

Gas Inlet VSM Models	3/8" (9.5mm)
Gas Inlet VSR Models	3/8" (9.5mm)

Accessories for VLM and VLR Models	
Embers Kit	EK-1
Accessories for VSR Models	
Battery Operated Remote Control	FRBC-1
Electric Remote	FREC-1
Wall Switch	FWS-1



FOR FACTORY BUILT FIREPLACES

FREE OPENING AREA OF CHIMNEY DAMPER FOR VENTING COMBUSTION PRODUCTS FROM DECORATIVE APPLIANCES FOR INSTALLATION IN SOLID FUEL BURNING FIREPLACES

Chimney Height* (ft)	Appliance Input Rate (KBTU/hr)						
	20	30	40	50	60	70	80
	Minimum Opening** (sq. in.)						
10	11.3	16.6	22.1	28.3	35.3	44.2	—
15	8.6	12.6	17.3	21.2	26.4	32.2	38.5
20	7.5	10.8	14.5	18.1	22.1	26.4	31.2
25	6.6	9.6	12.6	15.9	18.1	22.9	27.3
30	6.2	9.1	11.3	14.5	17.3	20.4	24.6
35	5.7	8.0	10.8	13.2	15.9	18.9	22.1
40	5.3	7.5	10.2	12.6	15.2	18.1	20.4

FOR MASONRY BUILT FIREPLACES

FREE OPENING AREA OF CHIMNEY DAMPER FOR VENTING COMBUSTION PRODUCTS FROM DECORATIVE APPLIANCES FOR INSTALLATION IN SOLID FUEL BURNING FIREPLACES

Chimney Height* (ft)	Appliance Input Rate (KBTU/hr)						
	20	30	40	50	60	70	80
	Minimum Opening** (sq. in.)						
6	17.6	25.7	33.8	41.7	49.2	56.6	64.0
8	16.5	23.7	31.2	38.7	45.5	52.4	59.7
10	15.1	21.7	28.7	35.2	41.7	48.2	54.3
15	14.1	19.9	26.1	32.0	37.7	43.2	48.8
20	12.9	18.5	23.7	28.8	34.3	39.8	44.4
30	12.2	16.9	21.6	26.5	31.2	35.9	40.3

Chimney Height* (m)	Appliance Input Rate (KW/HR)						
	5.9	8.8	11.7	14.6	17.6	20.5	23.4
	Minimum Opening** (cm ²)						
3.05	72.9	107.1	142.6	182.6	227.8	285.2	—
4.57	55.5	81.3	111.6	136.8	170.3	207.8	248.4
6.10	48.4	69.7	93.6	116.8	142.6	170.3	201.3
7.62	42.6	61.9	81.3	102.6	116.8	147.8	176.1
9.14	40.0	58.7	72.9	93.6	111.6	131.6	158.7
10.67	36.8	51.6	69.7	85.2	102.6	121.9	142.6
12.19	34.2	48.4	65.8	81.3	98.1	116.8	131.6

Chimney Height* (m)	Appliance Input Rate (KW/HR)						
	5.9	8.8	11.7	14.6	17.6	20.5	23.4
	Minimum Opening** (cm ²)						
1.83	113.6	165.8	218.1	269.0	317.4	365.2	412.9
2.44	106.5	152.9	201.3	249.7	293.6	338.1	385.2
3.05	97.4	140.0	185.2	227.1	269.0	311.0	350.3
4.57	91.0	128.4	168.4	206.5	243.2	278.7	314.8
6.10	83.2	119.4	152.9	185.8	221.3	256.8	286.5
9.14	78.7	109.0	139.4	171.0	201.3	231.6	260.0

* Height is from hearth to top of chimney and the minimum height is 10 feet (3.05m).

** Chart shows minimum opening (sq. in.) (cm²) for given height and input rate.

* Height is from hearth to top of chimney and the minimum height is 6 feet (1.83m)

** Chart shows minimum opening (sq. in.) (cm²) for given height and input rate.