



MODEL FRS200HT/VDBFRS200HT

(Smart Sensing Supply Fan – Humidity/Temperature Control – 200/180/170/150/130/110/90/80/70/60/50/40/30 CFM)



6" Duct (Standard):
200 CFM/ 0.2 SP, 42.6 Watts



Description

High air flow and low noise fresh air supply fan with temperature and humidity sensors allows selection of required airflow [30-200 CFM] and cut off undesirable humidity or high temperatures. Fan is ENERGY STAR® Most Efficient qualified, HVI-Certified, UL507, UL2043, cUL certified, and can be used to comply with ASHRAE 62.2.

DC Motor/Blower

- Power rating of 120 volts/60Hz
- Fresh air supply rates shall be manually adjustable for 30-40-50-60-70-80-90-110-130-150-170-180-200
- Constant airflow blower designed to maintain the selected air flow in standard installations
- ECM motor engineered to run continuously for 70,000 hours
- Motor equipped with thermal cutoff fuse
- Removable motor is permanently lubricated
- Built-in soft start function to increase bearings' life
- Automatically powers OFF if impeller is locked abnormally

Housing

- Galvanized steel body
- Detachable 6" diameter metal duct adapter
- Built-in motorized backdraft damper
- Easy installation with bracket
- Insulated housing to prevent condensation and noise
- Easy access filter replacement panel

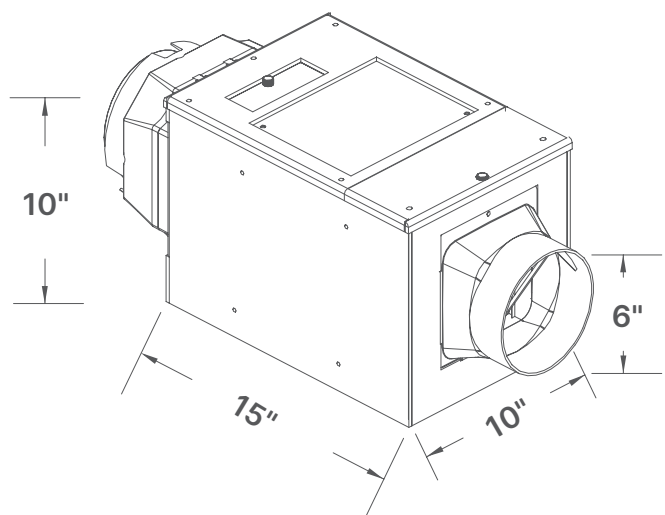
Features

- FID (Fault Indicator Display) meets CA-Title24 requirements
- UL2043 - Suitable for use in air handling spaces
- Motorization damper closes when off to reduce leakage
- **MERV 13 filter** (part number **VFRU-FRS-02MF**) included
- Five installation possibilities: ceiling hung, under ceiling, wall mounted, attic mounted, and flush to ceiling
- Adjustable relative humidity limit setting
- Adjustable high temperature limit setting for different climates
- Interlock with HVAC
- Two step filter alert for cleaning and replacement

- Run time setting in 5 min. increments.
- Digital display panel.

TYPICAL SPECIFICATION

The ventilation fan shall be the Delta Breez model **FRS200HT** (part number **VDBFRS200HT**). The ECM motor is engineered to run continuously for a minimum of 70,000 hours, with an airflow range from 30 to 200 CFM at 0.2" static pressure. Power consumption shall not exceed 42.0 watts, with an efficiency rating of no less than 4.9 CFM/watt at 0.2" static pressure. The housing shall be insulated to reduce condensation and noise. A **MERV 13 filter** (part number **VFRU-FRS-02MF**), is superior and required by many codes or IAQ program recommendations. The motorized backdraft damper is closed when fan is off to reduce building leakage. Adjustable humidity and selectable temperature settings allow for easy adjustments in any climate zone. Interlock control can be hardwired to the HVAC system. The filter alert features a two-step process for cleaning and replacement. FID (Fault Indicator Display) meets CA-Title24 requirements.



BreezFresh FRS200HT (part number VDBFRS200HT)

6" Duct Standard	
Length	15"
Width	10"
Height	10"
Weight	12 lbs.
Operating temperature	14°F ~ 140°F

Speed settings	30/40/50/60/70/80/90/110/130/150/170/180/200
Run times settings	5~60 min. (increment of 5 min)
Humidity upper limits settings	30~85 RH% (Increments of 5%) and OFF (Lower limit setting is 20%, except in OFF setting)
Temperature mode settings	1/2/3/4/5/6/7/8/9/OFF (Please refer to temperature mode settings table)



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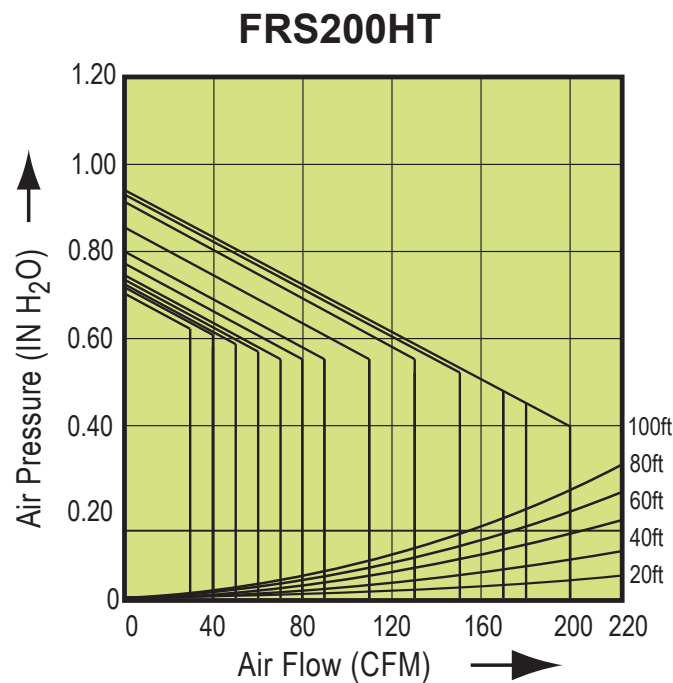


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Performance with pre-filter & MERV 13 filter (part number VFRU-FRS-02MF) installed										
Static Pressure (inches w.g.)	0.2									
Air Flow Setting (CFM)	200	170	150	130	110	90	70	50	40	30
Power Consumption (Watts)	42.6	31.6	24.5	19.9	17.2	14.1	12	10.3	9.1	8.6
Static Pressure (inches w.g.)	0.4									
Air Flow Setting (CFM)	N/A	170	150	130	110	90	70	50	40	30
Power Consumption (Watts)	N/A	41.1	34.5	30.2	25.7	21.3	17.3	14.7	13.6	12.3

Engineering changed without notice.



Models	Quantity	Comments	Project:
			Location:
			Architect:
			Engineer:
			Contractor:
			Submitted by:
			Date:



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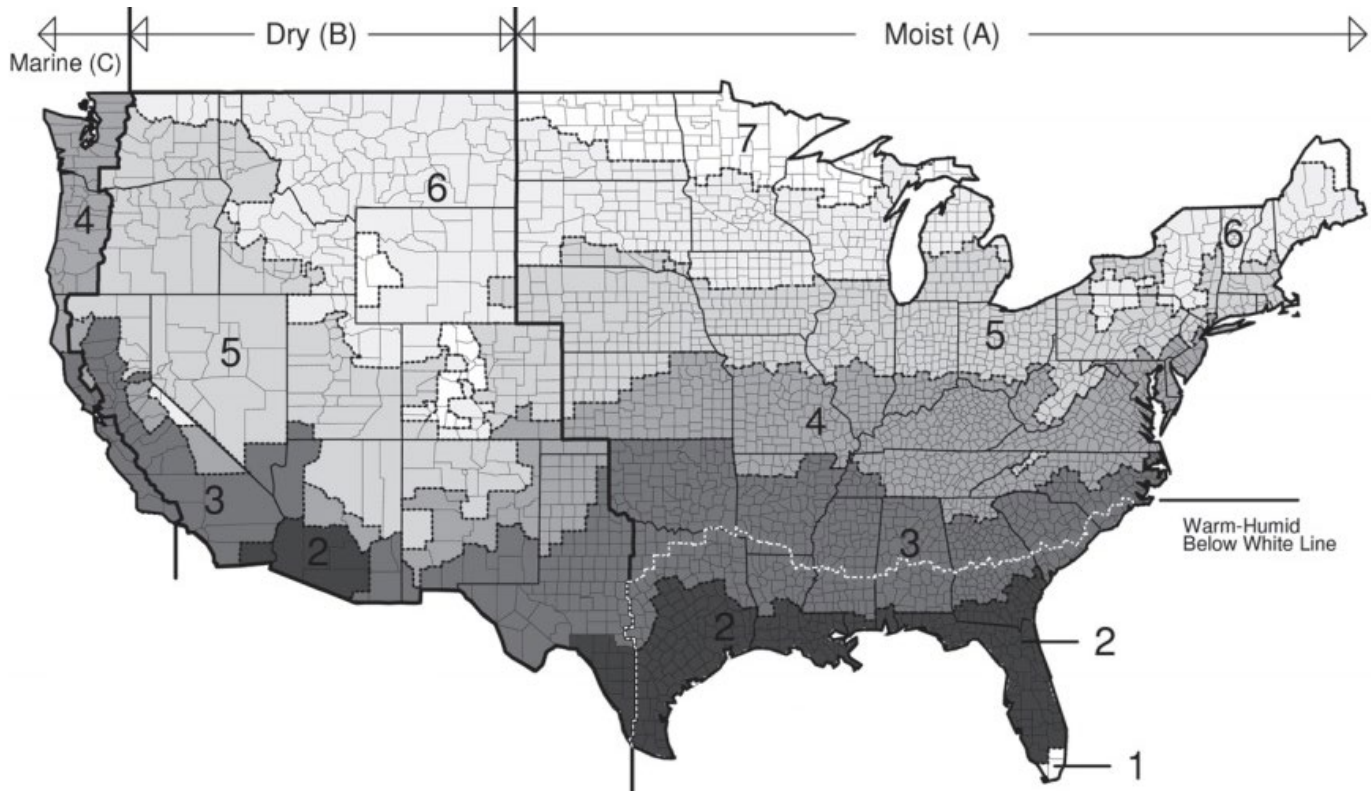
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Setting	Normal				Heating/Cooling Call			
	(°C)		(°F)		(°C)		(°F)	
	Min	Max	Min	Max	Min	Max	Min	Max
1 (Full range)	2	32	36	90	-2	36	28	97
2 (Range #1)	2	26	36	79	-2	30	28	86
3 (Range #2)	4	32	39	90	0	36	32	97
4 (Range #3)	4	30	39	86	0	34	32	93
5 (Zone 1&2)	10	32	50	90	6	36	43	97
6 (Zone 3)	10	30	50	86	6	34	43	93
7 (Zone 4)	10	26	50	79	6	30	43	86
8 (Zone 5)	4	26	39	79	0	30	32	86
9 (Zone 6 & 7)	4	23	39	73	0	27	32	81
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF



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