



7-Jul-20

2020 QuietCool - Whole House Fan Modeling Specifications v.2019.3

All values shown will meet HERS protocol RA3.9.4.1.2 WHF Airflow Rate Measurement Using Powered Flow Capture Hood Builders MUST specify this protocol to be used during HERS verification, as other methods will result in HERS failure.

Specifications below are NOT to be used for vertical / kneewall mount applications.

Standard Homes

2019 Code QuietCool WHF Specs - For Specified Fan + HERS Option					Recommended Home Size (Sq.Ft.)	
Product Info	HERS CFM	Watts	watt/CFM	*HERS Venting	2 CFM/sqft.	3 CFM/sqft
STL Pro 2.5X	1134	196	0.17	2.56	567	378
STL Pro 3.3X	1701	310	0.18	3.13	851	567
STL Pro 4.8X	2737	490	0.18	4.17	1369	912
STL Pro 5.5X	3206	529	0.17	5.00	1603	1069
STL Pro 6.0X	3916	597	0.15	5.37	1958	1305
STL Pro 6.5X **	3936	571	0.15	5.82	1968	1312
STL Pro 3.3X + 3.3X	3402	620	0.18	6.26	1701	1134
STL Pro 6.0X + 2.5X	5050	793	0.16	5.37 + 2.56	2525	1683
STL Pro 6.0X + 3.3X	5617	907	0.16	5.37 + 3.13	2809	1872
STL Pro 6.0X + 4.8X	6653	1087	0.16	5.37 + 4.17	3327	2218
STL Pro 6.0X + 5.5X	7122	1126	0.16	5.37 + 5.00	3561	2374
STL Pro 6.0X + 6.0X	7832	1194	0.15	5.37 + 5.37	3916	2611
STL Pro 6.0X + 6.0X + 2.5X	8966	1390	0.16	5.37 + 5.37 + 2.56	4483	2989
STL Pro 6.0X + 6.0X + 3.3X	9533	1504	0.16	5.37 + 5.37 + 3.13	4767	3178

* Installed venting MUST be the values listed above, installed in the attic space where fan(s) are installed in order to pass HERS. Do NOT compute 1/750 of CFM listed above, as code required NFVA is computed from HVI-916 values.

** NOTE: Alternatives to STL6.5X Fans	Qty Two 3.3x Fans are equal in price. STL 6.0X + 3.3X are equal in compliance, but additional cost.
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Homes with Tall, Large Attics

Large Attic Combinations						
Note: These combinations require 60 in. of vertical clearance where fan is to be installed.						
Products	HERS CFM	Watts	watt/CFM	* HERS Venting	2 CFM/sqft.	3 CFM/sqft
STL Pro 7.0X	4962	773	0.16	6.93	2481	1654
STL Pro 7.0X + 2.5X	6096	969	0.16	6.93 + 2.56	3048	2032
STL Pro 7.0X + 3.3X	6663	1083	0.16	6.93 + 3.13	3332	2221
STL Pro 7.0X + 4.8X	7699	1263	0.16	6.93 + 4.17	3850	2566
STL Pro 7.0X + 5.5X	8168	1302	0.16	6.93 + 5.00	4084	2723
STL Pro 7.0X + 6.0X	8878	1370	0.15	6.93 + 5.37	4439	2959
STL Pro 7.0X + 7.0X	9924	1546	0.16	6.93 + 6.93	4962	3308

* Installed venting MUST be the values listed above, installed in the attic space where fan(s) are installed in order to pass HERS. Do NOT compute 1/750 of CFM listed above, as code required NFVA is computed from HVI-916 values.

Homes with Sealed, High Performance Attics

Roof Mount WHF Options ***					
Note: These combinations are for sealed attics with no ventilation.					
Products	HERS CFM	Watts	watt/CFM	Venting	Home Size @ 1.5 cfm/sqft
RM-WHF-4.0-DB	2204	415	0.19	N/A	1469
RM-WHF-4.0-DB (Quantity 2)	4408	830	0.19	N/A	2939
RM-WHF-4.0-DB (Quantity 3)	6612	1245	0.19	N/A	4408

*** Roofing contractor is required for installation in new construction homes requiring RM-WHF product line

For questions regarding Title 24, Part 6 compliance modeling, and HERS verifications, please contact:
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