

Certificate

2021 VRC/VECC Update Guide

13.07.23	5.99	RG
INDOOR TXV SUB COOLING	10	°F
POWER SUPPLY	208-230	VOLTS AC
1	60	HZ
PERMISSIBLE VOLTAGE AT UNIT	253	MAX
SUITABLE FOR OUTDOOR USE	197	MIN
COMPRESSOR	208/230	VOLTS AC
1	60	HZ
12.5	58.3	LRA
FAN MOTOR	208/230	VOLTS AC
1	60	HZ
1/12	0.6	FLA
DESIGN/TEST PRESSURE GAGE		
HI	450	PSI
LO	250	PSI
MAX DESIGN/WORKING PRESSURE	3103	KPA
700	4826	KPA
MINIMUM CIRCUIT BREAK	16.2	PSIG
MAX FUSE	25	A
MAX CKT-BKR	25	A

Efficiency	9.5 HSPF	Efficiency	12
Heating input		Sensible cooling	
Heating output	34400 Btuh @ 47°F	Latent cooling	
Temperature rise	28 °F	Total cooling	
Actual air flow	1100 cfm	Actual air flow	
Air flow factor	0.056 cfm/Btuh	Air flow factor	
Static pressure	0.50 in H2O	Static pressure	
Space thermostat		Load sensible heat ratio	

ROOM NAME	Area (ft²)	Htg load (Btuh)	Clg load (Btuh)
MSTR BATH	42	1102	819



Envelope Leakage Test	
Company:	Technician:
Ident:	Name: Justin S
31 West Main Street	Credentials:
Hamond, VIRGINIA 23220	Email: justin.s
One: 804-225-9843	
re:viridiant.org	
Information:	Customer Information:
Omni Park (BII)	Name:
	Address:
Latitude:	
Longitude:	
Timestamp:	
Leakage: 313.2 CFM50	
Unit 215	
RESNET Multi-Pt Envelope Leakage	
HSD: 0.00 (+/- 0.4%)	Effective Leakage Area:
ne: 0.0 ft²	Enclosure Surface Area:
rt (C): 24.2 (+/- 1.8%)	Exponent (n): 0.655 (+/-)
Efficient: 0.99999	
RESNET 150 Multi-Point Test Method: Thermocouple	

Mandatory Certificate of Energy Features:

Summary: Model codes began requiring posting of a certificate listing key energy details with the 2006 edition. The 2018 Virginia Residential Code began requiring this for the Commonwealth. The builder or other approved party must ensure a compliant document is created and posted in a convenient location.

2021 VRC/VECC Code References:

N1101.14 (R401.3) Certificate.

A permanent certificate shall be completed by the builder or other approved party and posted on a wall in the space where the furnace is located, a utility room or an approved location inside the building. Where located on an electrical panel, the certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels. The certificate shall indicate the following:

1. The predominant R-values of insulation installed in or on ceilings, roofs, walls, foundation components such as slabs, basement walls, crawl space walls and floors, and ducts outside conditioned spaces.
2. U-factors of fenestration and the solar heat gain coefficient (SHGC) of fenestration. Where there is more than one value for any component of the building envelope, the certificate shall indicate both the value covering the largest area and the area weighted average value if available.
3. The results from any required duct system and building envelope air leakage testing performed on the building.
4. The types, sizes and efficiencies of heating, cooling and service water-heating equipment. Where a gas-fired unvented room heater, electric furnace, or baseboard electric heater is installed in the residence, the certificate shall indicate "gas-fired unvented room heater," "electric furnace" or "baseboard electric heater," as appropriate. An efficiency is not required to be indicated for gas-fired unvented room heaters, electric furnaces and electric baseboard heaters.
5. Where on-site photovoltaic panel systems have been installed, the array capacity, inverter efficiency, panel tilt and orientation shall be noted on the certificate.
6. For buildings where an Energy Rating Index score is determined in accordance with Section N1106, the Energy Rating Index score, both with and without any on-site generation, shall be listed on the certificate.
7. The code edition under which the structure was permitted and the compliance path used.

