

Interim
certificate

PHIUS-listed Ventilator



Manufacturer/Brand Name **UltimateAir**

Model **200DX**

Options installed **UltimateAir wall mount dial ventilation control**

Testing agency Exova, Inc.

Date tested 16-Aug-2016

Test points	Energy Performance				Test Conditions				
	Adjusted sensible recovery efficiency	Latent recovery / Net moisture transfer	Electrical efficiency		Apparent sensible effectiveness	Supply temperature		Net airflow	
			Wh/m3	W/cfm		°C	°F	L/s	cfm
	-	-	Wh/m3	W/cfm	-	°C	°F	L/s	cfm
Heating, 100% Air flow	0.94	0.62	0.90	1.52	0.96	0	32	73	155
Heating, 75% Air flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cooling, 100% Air flow	0.69	0.27	0.97	1.64	0.75	35	95	69	146
Cooling, 75% Air flow	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Note: Use boldface values for energy modeling, use apparent sensible effectiveness for supply air temperature calculation.

Ventilation performance						
External Static Pressure		Net Supply Air Flow		Power	Electrical efficiency	
Pa	in. W.C.	m3/h	cfm	W	Wh/m3	W/cfm
25	0.1	281	166	253	0.90	1.52
50	0.2	270	160	251	0.93	1.57
75	0.3	263	154	243	0.92	1.58
100	0.4	252	148	242	0.96	1.64
125	0.5	241	142	238	0.99	1.68
150	0.6	230	136	232	1.01	1.71
175	0.7	223	130	226	1.01	1.74

Exhaust Air Transfer Ratio 0.11

Standby Power 0.0 W

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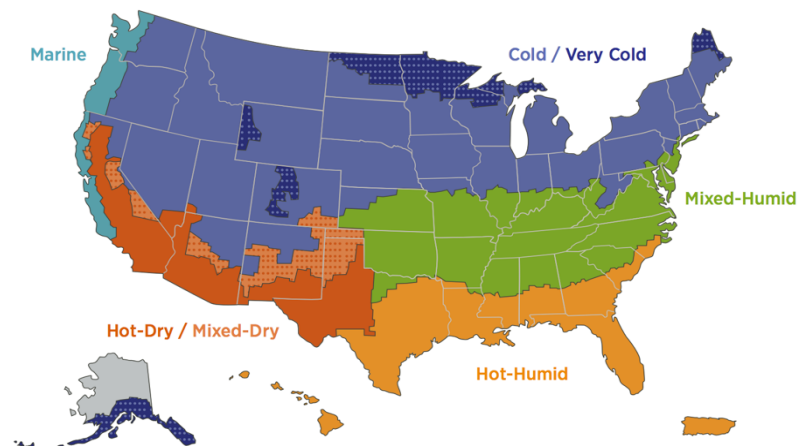
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Heating mode, coefficient of performance (COP)	8
Cooling mode, adjusted total recovery efficiency	41%

Climate recommendations		
Zone	<input checked="" type="checkbox"/>	Corresponding IECC Zones
Subarctic		Zone 8
Very Cold		Zone 7
Cold		Zones 5 and 6
Mixed-humid		4A and 3A counties above warm-humid line
Marine		All counties with a "C" moisture regime
Hot-dry / Mixed-dry		Zones 1B, 2B, 3B and 4B
Hot-humid		1A, 2A and 3A counties below warm-humid line



Very low temperature test
Low Temp. Ventilation Reduction Factor = N/A.
Low Temperature Imbalance Factor = N/A.

Notes

Testing & reporting protocol follows CSA-C439-09 with some modifications. See product certification page at phius.org.
 Here COP is the ratio of sensible energy recovered less casing losses, to electrical energy input.
 Climate recommendations are based on heating mode COP ≥ 15 and cooling mode total recovery efficiency ≥ 48%
 Very Low Temperature Test at -25C and according to C439 is required for recommendation in Subarctic and Very Cold zones.
 Use of cooling mode test data is recommended for energy modeling in IECC climate zones 1A through 3B, if only one data point can be entered.