

# Imperial™

You need fresh air, so does your home.



## Imperial Peace of Mind

All Imperial products are backed by the best limited warranty in the industry, for your peace of mind.

You benefit from a lifetime warranty on the core, a 10-year warranty on our ventilation motors and a 5-year warranty on all other components. So you can breathe easy.



## Heat Recovery Ventilator PH Series (PH 7.15 and PH 10.22)



# Imperial™

## Features & Benefits



### DuoTrol balancing system

Silent and economical...  
By reducing motor speed  
to balance the unit, you  
avoid the noise that would

be produced by balancing dampers. In addition,  
with this technology the unit will consume  
less energy.



### SPM attachment system

The entire line of Imperial  
HRV/ERV products is  
designed for installation by a  
single person. "Single Person

Mounting" will enable you to save time and effort  
by offering you a variable attachment system.



### ISF 6" (diam.) collar system (Patent Pending)

Quick and simple to install  
thanks to our revolutionary  
"Insert Slide and Fix"

collar system. The "ISF" 6" (diam.) collar system  
enables you to manipulate duct within your  
reach and then insert by sliding it in place,  
for a better and quicker installation.



### Range of controls For optimal performance of your HRV/ERV system.

The entire range of Imperial  
controls is offered with  
features making your

ventilation system simple, easy to operate and  
backed by a 5-year limited warranty.

Choose from: RD-1, RD-2, RD-3P,  
RD-4P (shown above) and T-3 (Push-Button Timer)



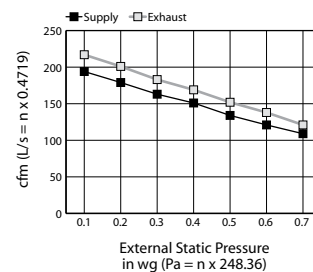
### High-Performance motors

All Imperial products  
are designed with high-  
performance and reliable  
motors for your comfort  
and peace of mind. Factory

sealed and dynamically balanced, our motors are  
maintenance-free for years to come.

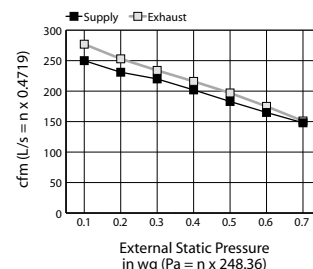
## Ventilation Performance PH 7.15

External Static Pressure		Net Supply Air Flow		Gross Air Flow Supply		Gross Air Flow Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	91	193	91	194	103	217
50	0.2	84	178	85	179	95	201
75	0.3	77	163	77	163	86	183
100	0.4	71	150	71	151	80	169
125	0.5	63	133	63	134	71	152
150	0.6	57	120	57	121	66	138
175	0.7	51	109	51	109	57	121



## Ventilation Performance PH 10.22

External Static Pressure		Net Supply Air Flow		Gross Air Flow Supply		Gross Air Flow Exhaust	
Pa	in. wg	L/s	CFM	L/s	CFM	L/s	CFM
25	0.1	117	248	118	250	130	277
50	0.2	108	229	109	231	119	253
75	0.3	102	218	103	220	110	234
100	0.4	94	200	95	202	101	216
125	0.5	85	181	86	183	92	197
150	0.6	77	163	78	165	82	175
175	0.7	69	146	70	148	71	151



## Energy Performance PH 7.15

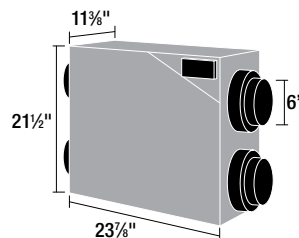
	Supply Temperature		Net Air Flow		Power Consumed	Sensible Recovery		Apparent Sensible
	°C	°F	L/s	CFM		Efficiency	Effectiveness	
	°C	°F	L/s	CFM		Efficiency	Effectiveness	
HEATING	0	32	31	65	72	66	75	75
	0	32	39	83	80	63	72	72
	0	32	50	107	94	60	67	67
	-25	-13	36	76	72	56	73	73
	-25	-13	36	76	72	56	73	73

## Energy Performance PH 10.22

	Supply Temperature		Net Air Flow		Power Consumed	Sensible Recovery		Apparent Sensible
	°C	°F	L/s	CFM		Efficiency	Effectiveness	
	°C	°F	L/s	CFM		Efficiency	Effectiveness	
HEATING	0	32	55	118	106	61	71	71
	0	32	75	160	132	58	65	65
	0	32	87	185	150	55	62	62
	-25	-13	57	120	105	58	72	72
	-25	-13	57	120	105	58	72	72

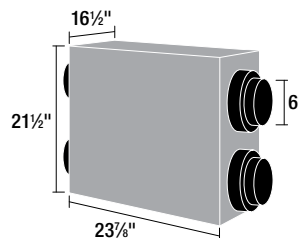
## SPECIFICATIONS

	PH 7.15
Size	23 3/8" x 21 1/2" x 11 3/8"
Weight	50 lbs (22.68 Kg)
CFM	30 to 160
Type of heat exchanger	cross-flow (Polypropylene)
Exchange surface	104 ft²
Voltage	120 VAC @ 60 Hz
Amperage	1.5 A
Defrost type	Evacuation
Certification	HVI, cCSA US



## PH 10.22

	PH 10.22
Size	23 3/8" x 21 1/2" x 16 1/2"
Weight	65 lbs (29.48 Kg)
CFM	50 to 220
Type of heat exchanger	cross-flow (Polypropylene)
Exchange surface	150 ft²
Voltage	120 VAC @ 60 Hz
Amperage	1.5 A
Defrost type	Evacuation
Certification	HVI, cCSA US



Also available in PE Series (Energy Recovery Ventilator). Ideal for warm and humid climates.



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