

PrepAir600i, 1200i, 2000i

Heat Recovery Ventilator Product Information



PrepAir600i



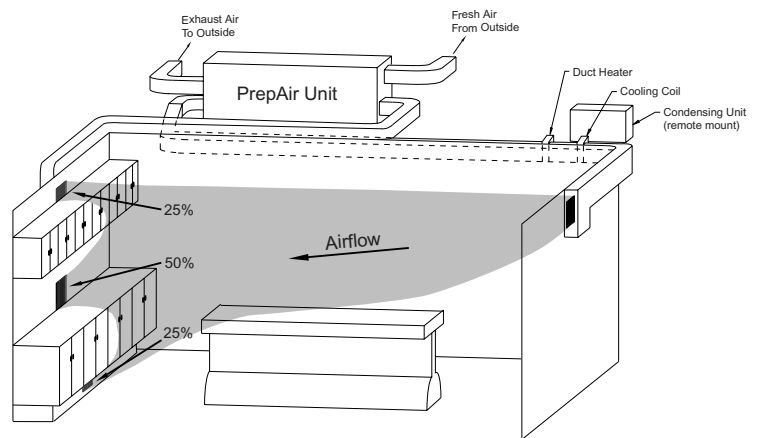
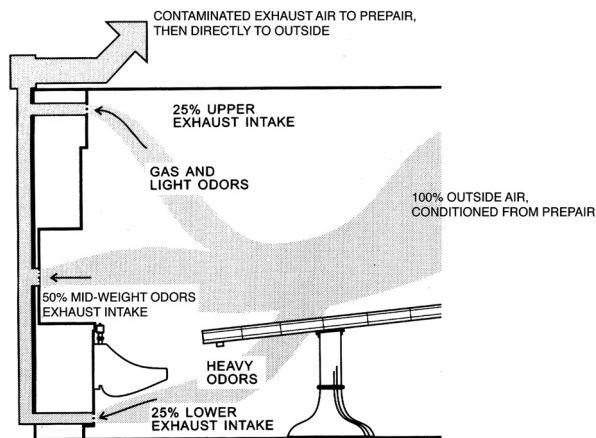
PrepAir2000i



PrepAir1200i

PrepAir Environmental Control Modules are the first HVAC systems that have been designed specifically to produce the conditions necessary to meet OSHA specifications in preparation rooms used in the funeral industry. The unique heat recovery module minimizes operation cost and maximizes personal comfort.

How it works:

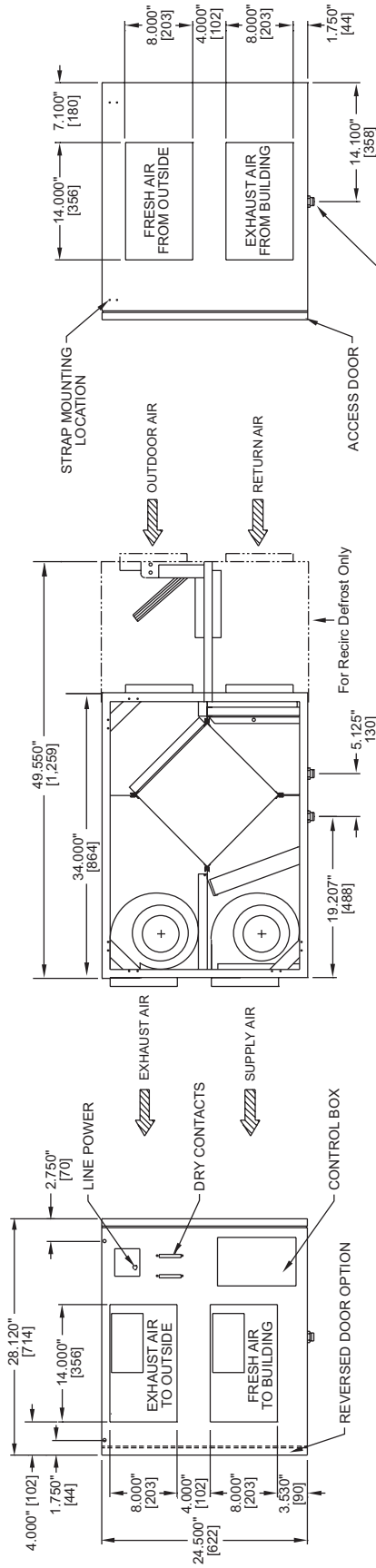


Typical Preparation Room Layout

PrepAir600i Dimensional Drawing

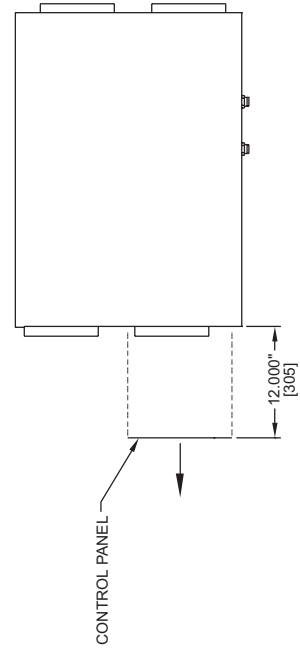
NOTES:
Dimensions in [] are millimeters

HRV600i POLY CORE with recirculation module		HRV600i ALUMINUM CORE with recirculation module	
PTS	LBS	Kg	PTS
197	90	90	231
TOTAL	197	90	TOTAL
			231
			105

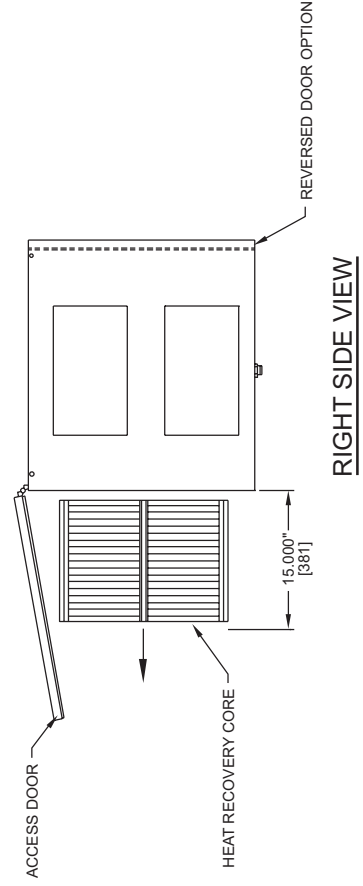


NOTE: For units with the reversed door option, interior components will appear as a mirror image of the above diagram.

NOTE: A minimum of 12.000" [305] clearance from any obstruction is required for removal of the control box.



NOTE: A minimum of 15.000" [381] clearance from any obstruction is required for removal of heat recovery cores, fans, etc. The access door can be removed from cabinet with only 2.000" [51] of clearance.

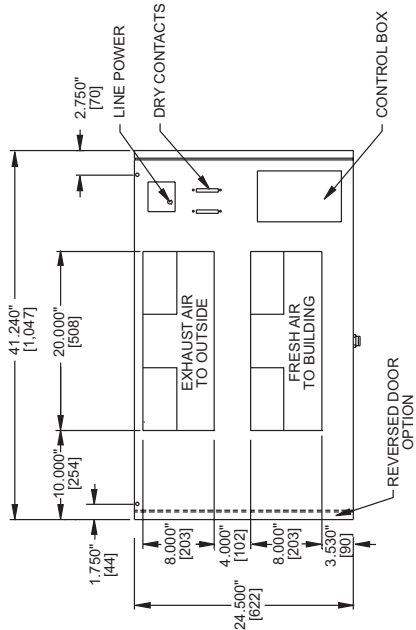


PrepAir1200i Dimensional Drawing

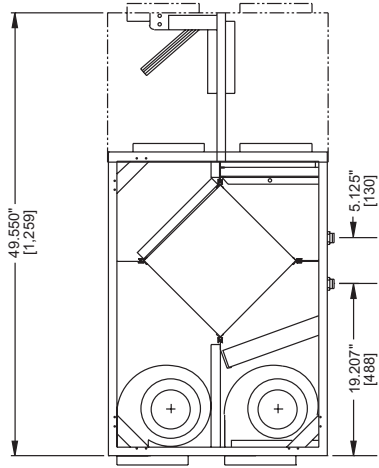
NOTES:

Dimensions in [] are millimeters

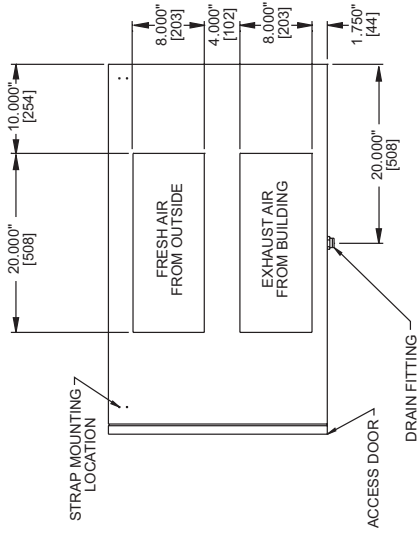
	HRV1200i POLY CORE	HRV1200i ALUMINUM CORE
	with recirculation module	with recirculation module
PTS	LBS	PTS
	247	112
TOTAL	247	269
	LBS	Kg
	269	122



LEFT SIDE VIEW

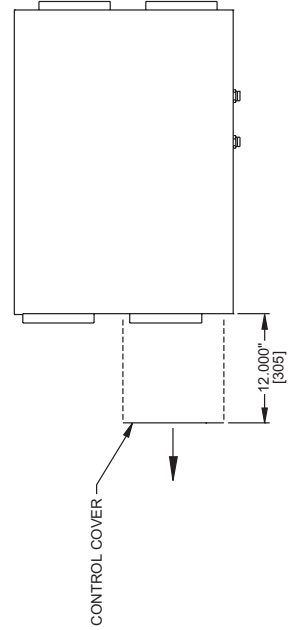


FRONT VIEW (For Recirc Defrost Only)



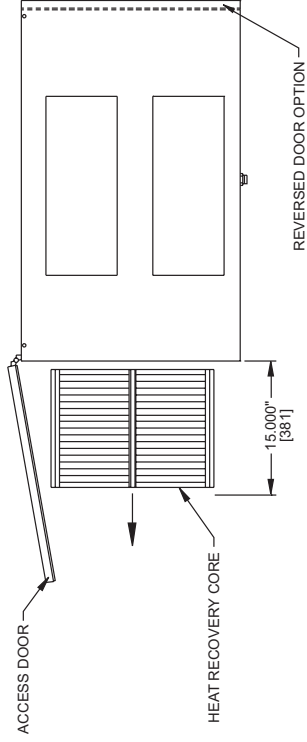
RIGHT SIDE VIEW

NOTE: A minimum of 12,000" [305] clearance from any obstruction is required for removal of the control box.



FRONT VIEW

NOTE: A minimum of 15,000" [381] clearance from any obstruction is required for removal of heat recovery cores, fans, etc. The access door can be removed from cabinet with only 2,000" [51] of clearance.



RIGHT SIDE VIEW

PrepAir2000i Dimensional Drawing

NOTES:

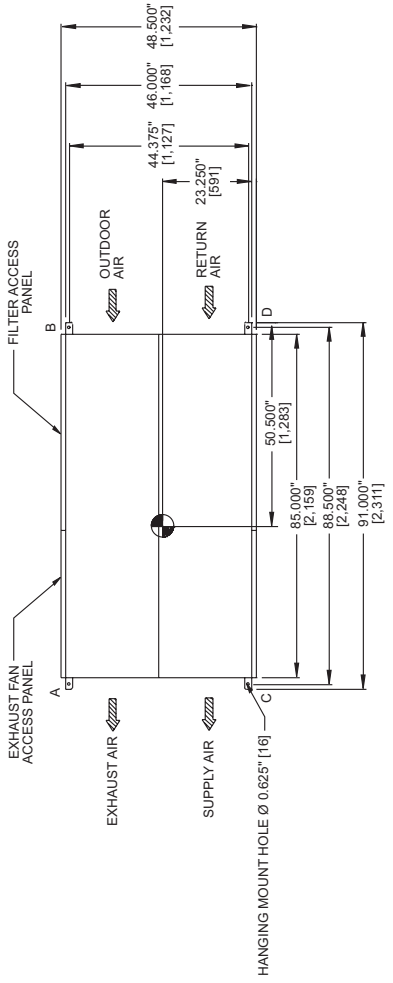
Dimensions in [] are millimeters

☉ Center of gravity

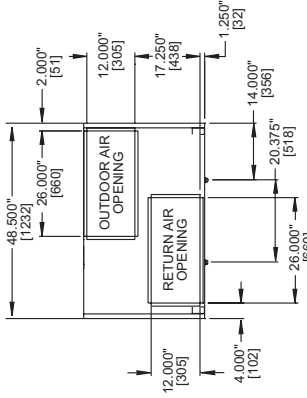
↔ Direction of airflow

HRV/2000i	
PTS	kg
A	186.22
B	149.35
C	202.24
D	162.19
TOTAL	700.00

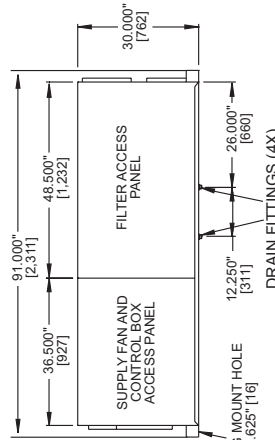
CONNECTION TABLE	
CONNECTION SIZES	
(A) Line power supply knockout	7/8 or 1 1/8
(B) Line power supply knockout (reversed door option)	7/8 or 1 1/8
(C) Low voltage connection	
(D) Low voltage connection (reversed door option)	
(E) Condensate drain	3/4" NPT



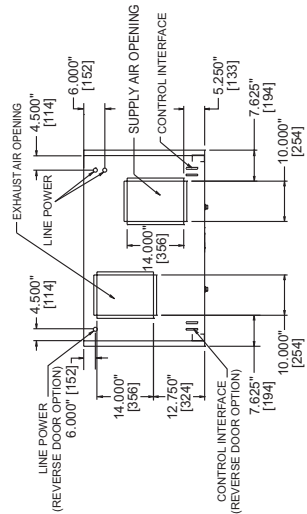
TOP VIEW



RIGHT SIDE VIEW

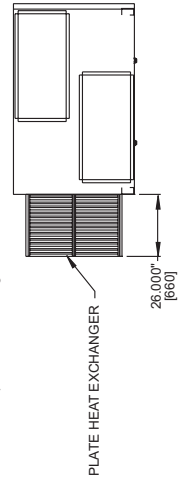


FRONT VIEW



LEFT SIDE VIEW

NOTE: A minimum of 26,000" [660] clearance from any obstruction is required for removal of plate heat exchangers, fans and control box access.



RIGHT SIDE VIEW

NOTE: A minimum of 12,000" [305] clearance from any obstruction is required for power hook-up, low voltage remote connection and control panel access.

Specifications and Ratings

Model Name	PrepAir600i	PrepAir1200i	PrepAir2000i
Fans			
Supply Type	Direct drive	Direct drive	Belt drive
Wheel Type	Forward curved	Forward curved	Forward curved
Wheel Size [Inches]	7ø x 6	7ø x 6 (two)	12ø x 7
Wheel Size [mm]	178ø x 152	178ø x 152	305ø x 178
Bearing	Sleeve Direct drive	Sleeve Direct drive	Ball sealed Resilient rings
Housing	Cold rolled	Cold rolled	Cold rolled
Shaft [mm]	1/2" [13]	1/2" [13] keyed	1" [25] keyed
Exhaust Type	Direct drive	Direct drive	Belt drive
Wheel Type	Forward curved	Forward curved	Forward curved
Wheel Size [Inches]	7ø x 6	7ø x 6	12ø x 7
Wheel Size [mm]	178ø x 152	178ø x 152	305ø x 178
Bearing	Sleeve Direct drive	Sleeve Direct drive	Ball sealed Resilient rings
Housing	Cold rolled	Cold rolled	Cold rolled
Shaft [mm]	1/2" [13]	1/2" [13] keyed	1" [25] keyed
Heat Recovery Module			
Type	Flat plate	Flat plate	Flat plate
Size [Inches]	12 x 12 x 26	12 x 12 x 39	15 x 15 x 46
Size [mm]	305 x 305 x 660	305 x 305 x 991	381 x 381 x 1168
Flat Plate Material	Poly	Poly	Poly
Flat Plate Performance	Appendix K	Appendix K	Appendix K
Filters			
Type (Primary)	Washable foam	Washable foam	MEF
Size [Inches]	13 x 11 x 1	13 x 11 x 1	12 x 24 x 4
Size [mm]	330 x 279 x 25	330 x 279 x 25	305 x 610 x 102
Number Per Airstream	2	3	2
Type (Secondary)	MEF	MEF	HEF
Size [Inches]	13 x 11.25 x 2	13 x 11.25 x 2	12 x 24 x 4
Size [mm]	330 x 286 x 51	330 x 286 x 51	305 x 610 x 102
Number Per Airstream	2	3	2
Weight (Without Recirc Module)			
Net Core Weight Maximum			
Polypropylene Core	148 lbs [67 kg]	186 lbs [85 kg]	700 lbs [318 kg]
Shipping Weight	add 40 lbs [18 kg]	add 40 lbs [18 kg]	750 lbs [341 kg]
Weight (With Recirc Module)			
Net Core Weight Maximum			
Polypropylene Core	197 lbs [90 kg]	247 lbs [112 kg]	recirc module n/a

Electrical Data

Motor HP	120/1/60		208/1/60		230/1/60		208/3/60		230/3/60		460/3/60		575/3/60	
	MCA	MOP	MCA	MOP	MCA	MOP	MCA	MOP	MCA	MOP	MCA	MOP	MCA	MOP
1/12	3.52	4.64	2.35	2.95	2.35	2.95	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
1/6	6.63	9.13	3.93	5.23	3.70	4.90	5.05	6.85	5.05	6.85	3.00	3.89	n/a	n/a
1/4	9.55	13.35	5.28	7.18	4.83	6.53	5.28	7.18	5.28	7.18	3.09	4.02	n/a	n/a
1/3	14.28	20.18	6.40	8.80	6.18	8.48	6.40	8.80	6.40	8.80	3.70	4.90	n/a	n/a
1/2	19.90	28.30	10.90	15.30	10.45	14.65	5.95	8.15	5.50	7.50	3.25	4.25	2.80	3.60
3/4	23.95	34.15	13.15	18.55	12.48	17.58	8.20	11.40	7.75	10.75	4.38	5.88	3.70	4.90
1	31.15	44.55	17.65	25.05	16.08	22.78	9.55	13.35	8.65	12.05	4.83	6.53	4.15	5.55
1 1/2	41.50	59.50	22.38	31.88	21.25	30.25	12.93	18.23	11.80	16.60	6.40	8.80	5.28	7.18
2	59.50	85.50	30.70	43.90	30.25	43.25	16.98	24.08	15.40	21.80	8.20	11.40	6.85	9.45
3	82.00	118.00	43.75	62.75	41.50	59.50	21.93	31.23	19.90	28.30	10.45	14.65	8.65	12.05

NOTE: Based on full load motor consumption. Values shown are for the complete unit and include both motors.

Selection With Different Size Supply And Exhaust Motors

For different motor HP:

- 1) Select the MCA and MOP for each motor.
- 2) Add the two numbers together and divide by 2.

Example:

	460/3/60	
	MCA	MOP
2 HP motor	8.20	11.40
3 HP motor	10.45	14.65
Total	18.65	26.05
Real value	9.33	13.03