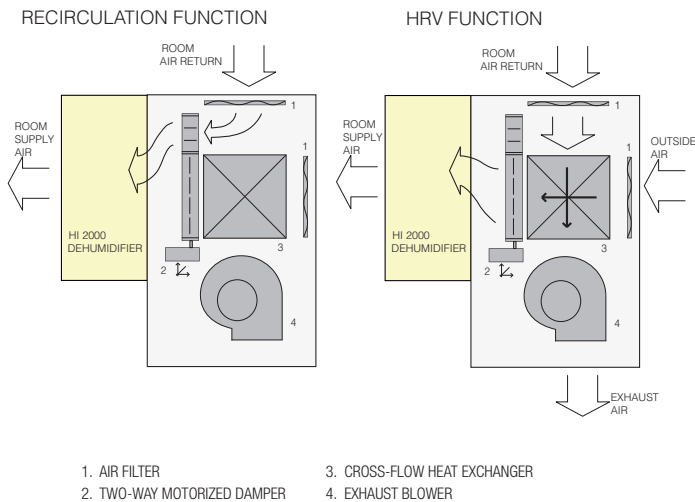


## AIR-MAGIC HRV1200 (AM1367) HEAT RECOVERY VENTILATION FOR HI2000 UNIT

The air magic HRV1200 units HRV function is related to the combination of the air magic HRV1200 with the air magic HI2000 and the recovery unit is powered and controlled by the electronic board on the dehumidifier. Connecting the HRV module upstream from the dehumidifier air return (the unit is reversible to exchange the room air return and exhaust way) creates a compact air treatment station with heat recovery from the exhaust air. The dehumidifier itself reduces internal air moisture, but this add-on module also allows a supply of make-up clean outside air. Air ventilation can be total or partial (with recirculation) by manually adjusting the damper to the appropriate opening. HRV function is activated by specific bus command (Monobus) with RS485 serial connection, also be activated by closing the dry contact [HRV].



### OPERATING SCHEME



### OPERATING FUNTIIONS

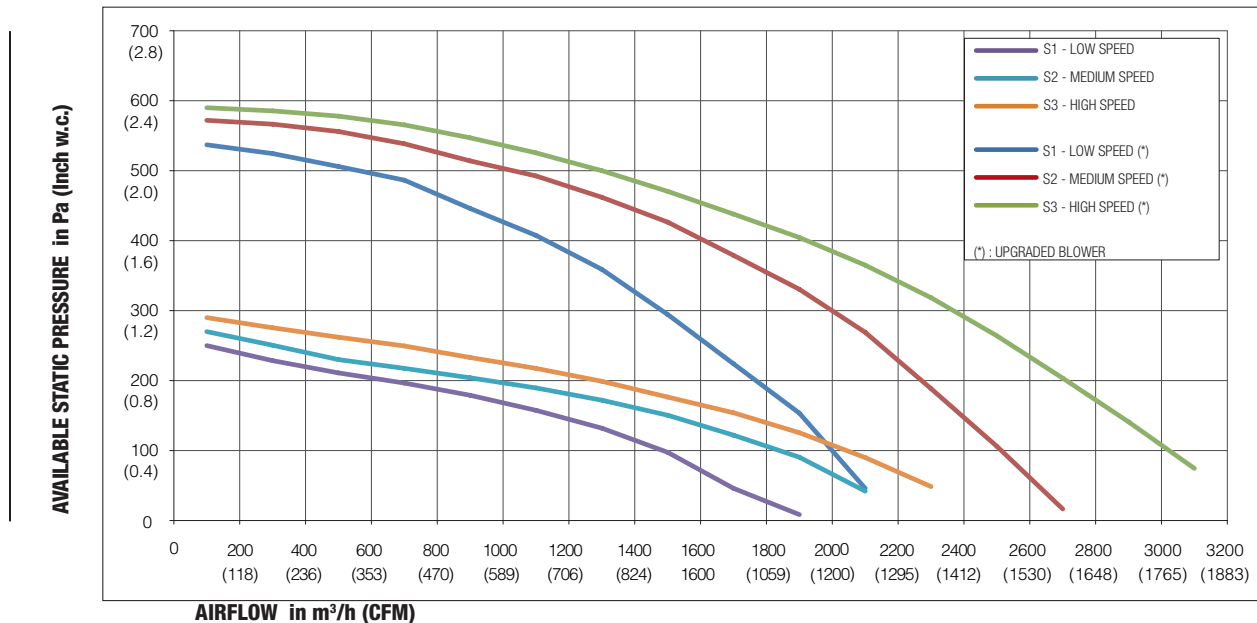
- **Recirculation Function**

In recirculation mode, the two-way motorized damper excludes the cross-flow heat exchanger allowing you to dehumidify the air supply without making the ventilation

- **HRV Function**

In HRV mode, the two-way motorized damper diverts the flow to the cross-flow heat exchanger allowing the entry of fresh air from the outside and recovering 58% of the heat of the exhaust air with primary / exhaust ratio 1/1 and up to 67% with primary / exhaust ratio 0.75/1

### AVAILABLE STATIC PRESSURE (ASP) CURVES HI2000+HRV1200



## TECHNICAL SPECIFICATIONS

<b>THERMAL SPECIFICATION</b>	Heat recovery efficiency whit primary / exhaust ratio 1/1	%	58
	Heat recovery efficiency whit primary / exhaust ratio 0.75/1	%	67
	Maximum heat absorbed <sup>1</sup>	Btu/h	39,923
	Nominal Airflow	CFM	1200
	Max. available static pressure speed 3	inch of w.c.	0.675(1.77 <sup>2</sup> )
	Ventilation head loss	inch of w.c.	0.4
	Recirculation head loss	inch of w.c.	0.24
	Sound power level <sup>2</sup>	dB(A)	39 (47 <sup>2</sup> )
	Sound pressure level at 3.28 ft.	dB(A)	36 (45 <sup>2</sup> )

<sup>1</sup>At the following conditions: external temperature air at 32°F room supply air temperature at 68°F and outlet air flow equal to inlet

<sup>2</sup>Upgraded blower

<b>ELECTRICAL SPECIFICATION</b>	Rated power consumption <sup>1</sup>	W	300
	Max. power consumption blower speed 3	W	430(600 <sup>2</sup> )
	Rated Amps absorbed <sup>1</sup>	Amps	2.7
	Max. Amps. absorbed	Amps	3.9 (5.5 <sup>2</sup> )
	Dust and water protection rating		IP 44
	Power supply	VAC / Ph / Hz	110 / 1+N / 60

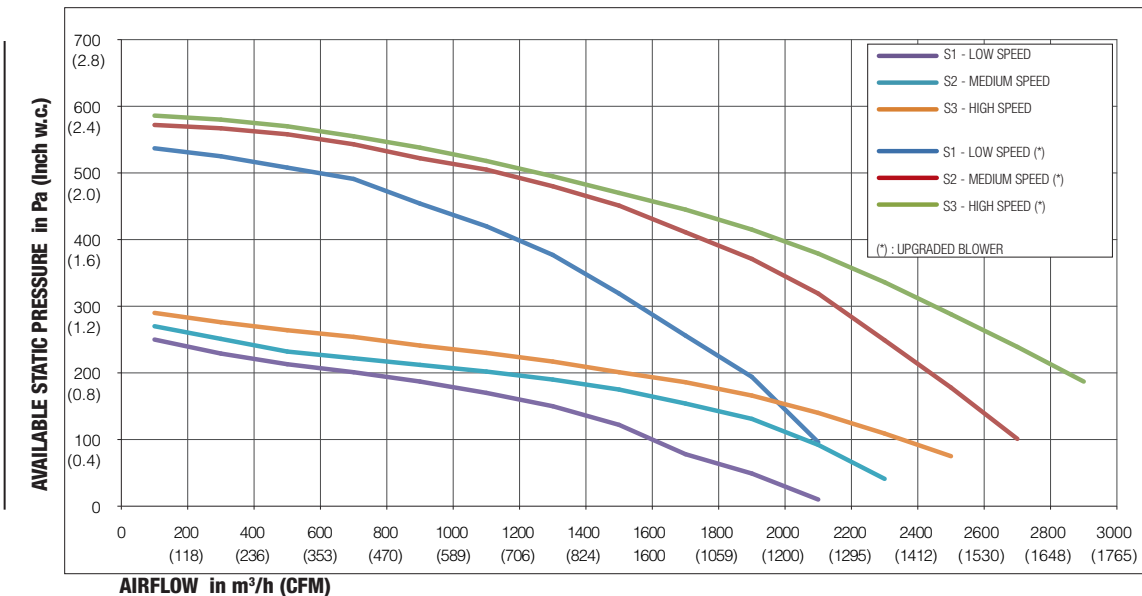
<sup>1</sup>At the following conditions: external temperature air at 32°F room supply air temperature at 68°F and outlet air flow equal to inlet

<sup>2</sup>Upgraded blower

<b>DIMENSIONS AND WEIGHTS</b>	Height	inch	19.17
	Width	inch	37.20
	Depth	inch	53.31
	Weight	lbs.	176

<b>BOX CONTENTS</b>	HRV1200, Installation kit and user's manual
---------------------	---

## AVAILABLE STATIC PRESSURE (ASP) CURVES HRV1200



MESSANA AIR-RAY CONDITIONING SRL / ITALIAN HEADQUARTERS

REGISTERED OFFICE

Via Venezia 18  
31046 Oderzo TV • ITALY  
VAT Nr. IT04299890261

CORPORATE HEADQUARTERS

Via Amman 13  
33084 Cordenons PN • ITALY  
P +39 (0434) 538207 • F +39 (0434) 542418  
✉ info@messana.it • 🌐 www.messana.it

MESSANA AIR-RAY CONDITIONING LLC / NORTH AMERICAN BRANCH

2224 Albert Ln  
Capitola CA 95010 • USA  
P/F +1 (855) RAY-MAGIC (729-6244)  
✉ info@raymagic.com • 🌐 www.raymagic.com