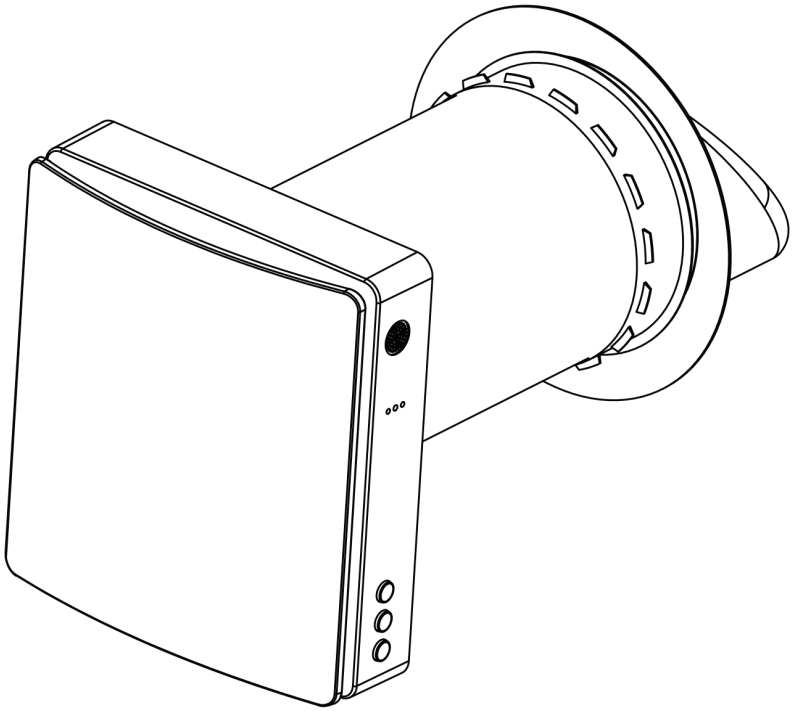
WAYSOS

DUCTLESS SINGLE-ROOM VENTILATION



AIRE-FRESH SERIES

HRV | PLUS ERV

SUBMITTAL

AIRE-FRESH SERIES

SUBMITTAL INFORMATION

PROJECT INFORMATION

Project	
Location	
Date	
Architect	
Engineer	
Mechanical contractor	
Submitted by	
Unit tags	

EQUIPMENT SCHEDULE

Select	Model	Power	Airflow L / M / H	Boost	Power draw	Max sound	Filter	Wall duct	Qty
☐	Aire-Fresh ductless HRV	100–240 V AC, 50/60 Hz	11.8 / 23.5 / 29.4 CFM	35.3 CFM	6 / 7 / 7.8 W	32.7 dBA	Prefilter + F7 (MERV 11)	220–470 mm	
☐	Aire-Fresh PLUS ductless ERV	220–240 V AC, 50/60 Hz	35.3 / 41.2 / 47 CFM	50 CFM	7.9 / 10.8 / 12.1 W	39 dBA	Prefilter (MERV 5)	150–250 mm	

INCLUDED IN THIS SUBMITTAL

- Aire-Fresh ductless HRV: key features, dimensions, design and operation, specifications, exploded view
- Aire-Fresh PLUS ductless ERV: key features, dimensions, design and operation, specifications

REVIEW

Reviewer's stamp

☐ Reviewed, no exceptions
☐ Reviewed, as noted
☐ Revise and resubmit

By: _____ Date: _____

Both models: ceramic energy regenerator, up to 97% recovery efficiency, one wall opening per unit, one unit per room up to 500 ft² (ANSI/ASHRAE 62.2-2016). Model pages are reproduced from the WAYSOS spec sheets. The manufacturer reserves the right to modify product specifications at any time without prior notice. Confirm against the latest WAYSOS documentation before ordering.

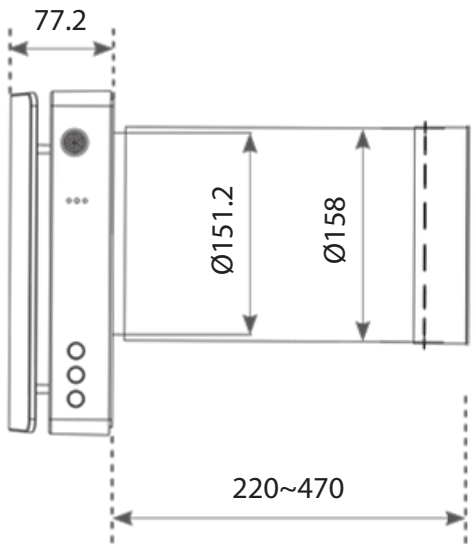
Model: Aire-Fresh Ductless HRV

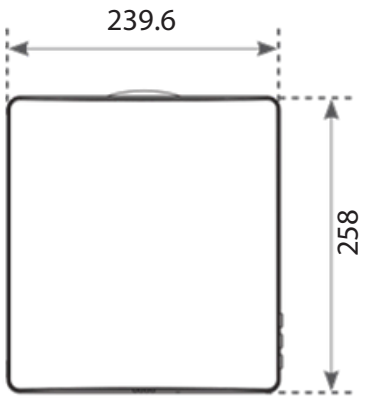
KEY FEATURES

- Unique Single Room Heat Recovery Ventilator
- One unit can serve rooms up to 500 sq. ft.*
- Elegant decorative front panel
- Automatic shutter to prevent back draught
- Frost and condensation free
- One-stop installation through the internal wall with a single hole
- High thermal efficiency
- Built-in high-tech ceramic energy regenerator with maximum heat recovery efficiency of 97%
- Reversible 3 speed EC duct fan with low power consumption of 7.8W
- Free-cooling: when the unit detects that the outdoor temperature is within ±1°C of the set temperature, it automatically switches to supply more fresh air
- Prefilter and F7 (MERV11) filter as standard to keep air clean
- Flexible operation, working individually or in pairs
- High ingress protection with IPX4.
- Quiet operation of less than 32.7 (dBA)
- Easy control: Unit can be controlled via button, remote controller and WIFI (Smart APP), Android or iOS smartphone via cloud server

*In accordance with ANSI/ASHRAE Standard 62.2-2016

DIMENSIONS





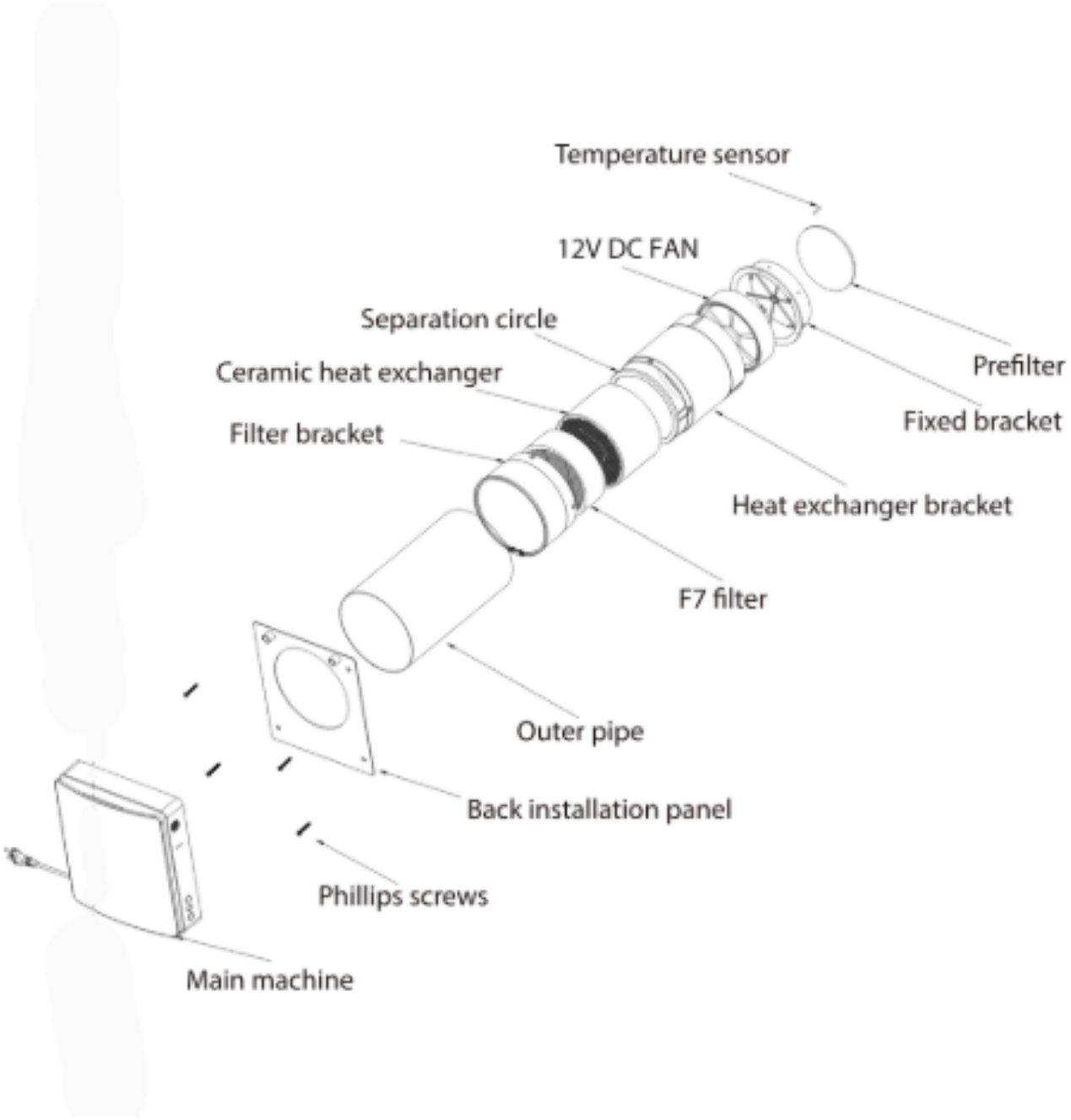
DESIGN AND OPERATION

- The ventilator consists of a telescopic air duct with adjustable length regulated by the position of the inner air duct inside the outer air duct, the ventilation unit, and the ventilation hood
- F7 filter + prefilter and the ceramic energy regenerator are located inside the inner duct. The filters are designed to purify supply air and prevent foreign objects from ingress into the regenerator and the fan
- The ceramic energy regenerator extracts energy from exhaust air to warm up or cool down supply air
- The regenerator is equipped with a pull cord inside to facilitate its withdrawal from the ventilator
- The regenerator is installed on an insulation material which is used as a sealant as well
- The ventilator is available to be installed from the inner side of the wall
- Ventilation Mode: The ventilator runs in exhaust or supply mode at a set speed. When synchronous operation of two connected ventilators, one runs in the supply mode and the other in exhaust mode
- Regeneration Mode: The ventilator runs in two cycles of 75 seconds each, to provide heat and moisture regeneration
- Interval 1: The warm polluted air is extracted from the room and goes through the ceramic regenerator, which gradually absorbs heat and moisture. After 75 seconds the ventilator switch to air supply mode
- Interval 2: The fresh and cold outdoor air goes through the heat regenerator and absorbs the accumulated moisture and heat after 75 seconds, when the energy regenerator gets cold, the ventilator switches to the exhaust mode

SPECIFICATIONS

Model: Aire-Fresh HRV	**Measurements**		
Speed	Low	Medium	High
Voltage	100V-240V AC / 50-60Hz		
Power Consumption (W)	6	7	7.8
Current Consumption (A)	0.04	0.05	0.07
Air Flow Exhaust Mode (CFM)	11.8	23.5	29.4
“Boost Mode” Airflow V/E Mode (CFM)	35.3		
Max RPM	2200		
Max Sound Pressure Level (dBA)	32.7		
Transported Air Tempurature (°C)	from -20 up to +50		
Regeneration efficiency (%)	≤ 97		
Regenerator Type	Ceramic		
Filter	MERV 11		
Ingress Protection	IPX4		

EXPLODED VIEW



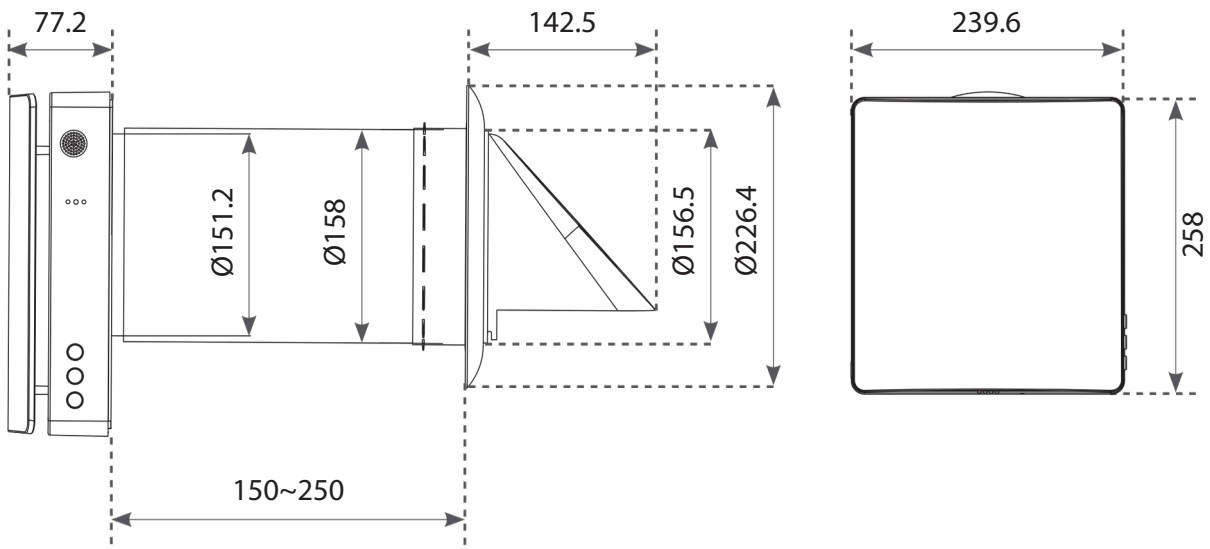
Model: Aire-Fresh Plus - Ductless ERV

KEY FEATURES

- Unique Single Room Energy Recovery Ventilator
- One unit can serve rooms up to 500 sq. ft.*
- Elegant decorative front panel
- Automatic shutter to prevent back draught
- Frost and condensation free
- One-stop installation through the internal wall with a single hole
- High thermal efficiency
- Built-in high-tech ceramic energy regenerator with maximum heat recovery efficiency of 97%
- Reversible 3 speed EC duct fan with low power consumption of 7.9W
- Free-cooling: when the unit detects that the outdoor temperature is within ±1°C of the set temperature, it automatically switches to supply more fresh air
- Prefilter (Merv 5) as standard to keep air clean
- Flexible operation, working individually or in pairs
- High ingress protection with IPX4.
- Quiet operation of less than 39 (dBA)
- Easy control: Unit can be controlled via button, remote controller and WIFI (Smart APP), Android or iOS smartphone via cloud server

*In accordance with ANSI/ASHRAE Standard 62.2-2016

DIMENSIONS



DESIGN AND OPERATION

- The ventilator consists of a telescopic air duct with adjustable length regulated by the position of the inner air duct inside the outer air duct, the ventilation unit, and the ventilation hood
- Prefilter and the ceramic energy regenerator are located inside the inner duct. The filters are designed to purify supply air and prevent foreign objects from ingress into the regenerator and the fan
- The ceramic energy regenerator extracts energy from exhaust air to warm up or cool down supply air
- The regenerator is equipped with a pull cord inside to facilitate its withdrawal from the ventilator
- The regenerator is installed on an insulation material which is used as a sealant as well
- The ventilator is available to be installed from the inner side of the wall
- Ventilation Mode: The ventilator runs in exhaust or supply mode at a set speed. When synchronous operation of two connected ventilators, one runs in the supply mode and the other in exhaust mode
- Regeneration Mode: The ventilator runs in two cycles of 75 seconds each, to provide heat and moisture regeneration
- Interval 1: The warm polluted air is extracted from the room and goes through the ceramic regenerator, which gradually absorbs heat and moisture. After 75 seconds the ventilator switch to air supply mode
- Interval 2: The fresh and cold outdoor air goes through the heat regenerator and absorbs the accumulated moisture and heat after 75 seconds, when the energy regenerator gets cold, the ventilator switches to the exhaust mode

SPECIFICATIONS

Model: Aire-Fresh Plus	**Measurements**		
Speed	Low	Medium	High
Voltage	220V-240V AC / 50-60Hz		
Power Consumption (W)	7.9	10.8	12.1
Current Consumption (A)	0.04	0.05	0.07
Airflow Ventilation/Exhaust Mode (CFM)	35.3	41.2	47
Airflow in Regenerator Mode	17.6	20.6	23.5
“Boost Mode” Airflow V/E Mode (CFM)	50		
Max RPM	2800		
Max Sound Pressure Level (dBA)	39		
Transported Air Tempurature (°C)	from -20 up to +50		
Regeneration efficiency (%)	≤ 97		
Regenerator Type	Ceramic		
Filter	Merv 5		
Ingress Protection	IPX4		



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