

Job Name/Location:

Tag No.:

Date:

For:	File	Resubmit
	Approval	Other

PO No.:

Architect: GC:

Engr: Mech:

Rep: (Company) (Project Manager)



**ARV01203RA6**  
Residential Energy Recovery Ventilator (ERV)  
120 CFM

Performance:

Nominal Capacity (CFM)	120
Power Input (SH) <sup>1</sup>	83.6

Capacities are in accordance with AHRI Standard 1060.

Heat Exchanger:

Air-to-Air Heat Exchanger x Quantity	Cross Flow x 1
Temperature Exchange Efficiency (%)	
Cooling Air Flow 100% / 75%	71
Heating Air Flow 100% / 75%	76
Enthalpy Exchange Efficiency	
Cooling Air Flow 100% / 75%	62
Heating Air Flow 100% / 75%	74

Electrical:

Power Supply (V/Hz/∅)	208-230/60/1
Power Input (W) (SH / H / L)	79.2 / 71.4 / 30.5
MCA (A)	0.8
Rated Amps (A)	0.62

MCA — Maximum Circuit Ampacity

Controls Features:

- Stand Alone Mode: Can be operated independently to bypass air-to-air heat exchanger and draw in untempered outdoor air
- Ventilation Heat Exchange Mode: Draws outdoor air and indoor exhaust air across air-to-air heat exchanger
- Ventilation Normal (Bypass) Mode: Controls by-pass damper
- CO2 sensor installed in return air section
- MERV 13 filter
- Wi-Fi ready

Optional Accessories:

- Deluxe Wired Remote Controller (Black Housing) - PREMTA201
- Deluxe Wired Remote Controller (Black Housing) - PREMTA200
- Standard III Wired Remote Controller (White Housing) - PREMTB101
- Standard III Wired Remote Controller (Black Housing) - PREMTBB11
- LG MultiSITE™ Communications Manager – PBACNBTR0A
- AC Smart™ 5 – PACS5A000
- ACP 5 – PACP5A000
- PI-485 (Required for Central Control) – PSNFP14A1
- Wi-Fi Module – PWFMD200

Operating Range:

Outdoor Temperature (°F D.B.)	14 to 104
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Unit Data:

Sound Pressure dB(A) (SH / H / L)	30 / 28 / 22
Net Weight (lbs.)	51.6
Airflow Rate (CFM) (SH / H / L)	120 / 120 / 60
External Static Pressure (in. w.g.) (SH / H / L)	0.4 / 0.28 / 0.2

Filters:

Type x Quantity	Prefilter x 2
Dimensions (W x H x D, in.)	10-13/16 x 11 x 1/4
Type x Quantity	MERV 13 x 1
Dimensions (W x H x D, in.)	10-13/16 x 10-7/8 x 1-15/16

Supply Air Fan:

Type x Quantity	Direct Drive x 1
Motor Type	Brushless Digitally Controlled
Motor Output (W)	30

Exhaust Air Fan:

Type x Quantity	Direct Drive x 1
Motor Type	Brushless Digitally Controlled
Motor Output (W)	30

Notes:

- SH = Super High Speed, H - High Speed, L = Low Speed.
- All communication cable to be minimum 18 AWG, two-conductor, stranded, shielded, and must comply with applicable local and national codes.
- Power wiring cable size must comply with the applicable local and national codes.
- Must follow installation instructions in the applicable LG installation manual.



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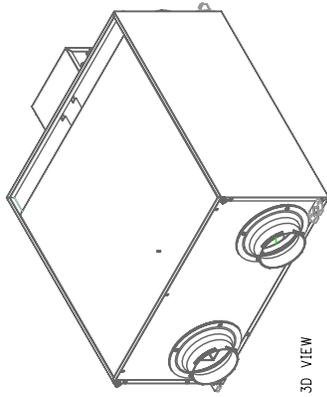
120 CFM



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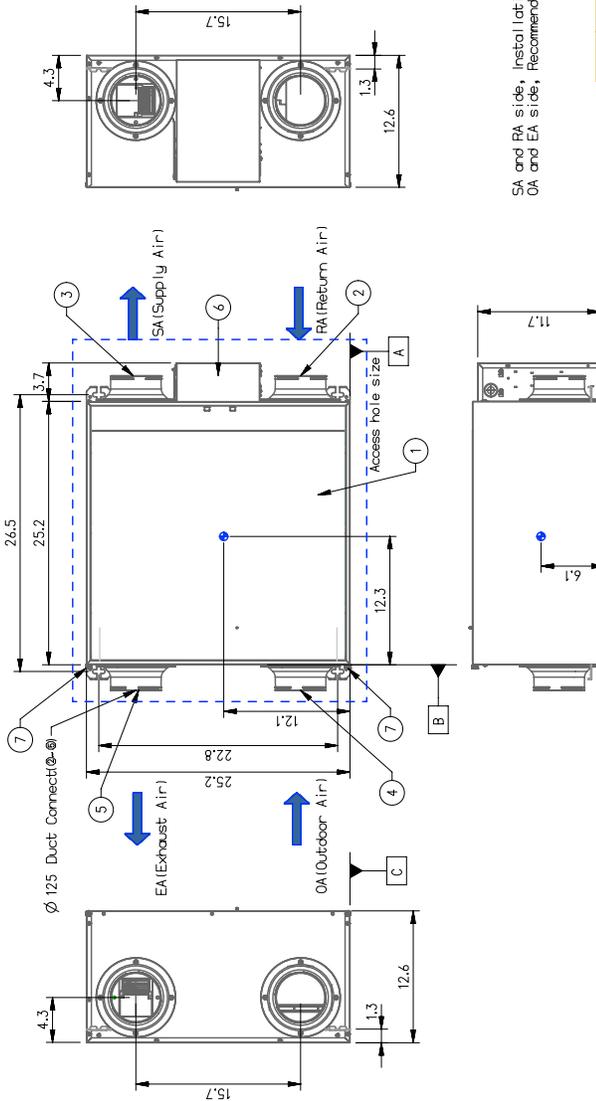
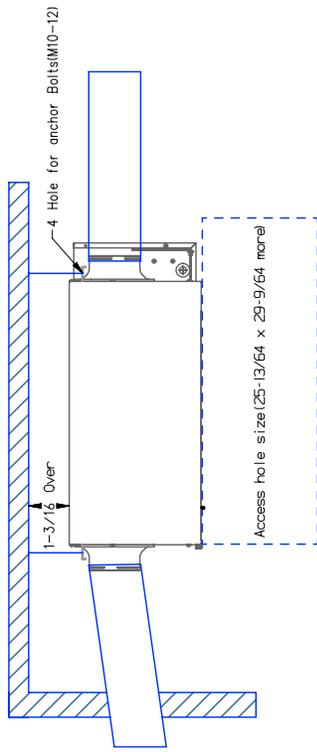
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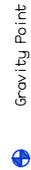
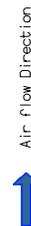
[Unit: inch]

Outdoor side duct gradient: 1/30 more  
(Prevention of rainwater penetration.)



SA and RA side, Installation of Flexible sound absorption ducts is recommended.  
OA and EA side, Recommend adhering insulation (PET10mm more).

Symbols



Note for PDB of indoor unit

**Note**

1. Unit should be installed in compliance with the installation manual in the product box.
2. Unit should be grounded in accordance with the local regulations or applicable national codes.
3. All electrical components and materials to be supplied from the site must comply with the local regulations or international codes.

7	Bolt, Customized	Bolt for removing door
6	Case Assembly, Indoor	C/Box
5	EAI Ø 125)	Exhaust Air
4	OAI Ø 125)	Outdoor Air
3	SAI Ø 125)	Supply Air
2	RAI Ø 125)	Return Air
1	Door Assembly	Maintenance Door
No.	Part Name	Description