

Job Name/Location:

Tag No.:

Date:

For:	File	Resubmit
	Approval	Other _____

PO No.:

Architect:

GC:

Engr:

Mech:

Rep:

(Company)

(Project Manager)

ARV00903RA6

Residential Energy Recovery Ventilator (ERV)

90 CFM



Performance:

Nominal Capacity (CFM)	90
Power Input (SH) ¹	62.6

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%	75
Heating Air Flow 100% / 75%	78
Enthalpy Exchange Efficiency	
Cooling Air Flow 100% / 75%	66
Heating Air Flow 100% / 75%	77

Electrical:

Power Supply (V/Hz/∅)	208-230/60/1
Power Input (W) (SH / H / L)	54.3 / 47.6 / 27.9
MCA (A)	0.5
Rated Amps (A)	0.44

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)	28 / 26 / 21
Net Weight (lbs.)	51.6
Airflow Rate (CFM) (SH / H / L)	90 / 90 / 47
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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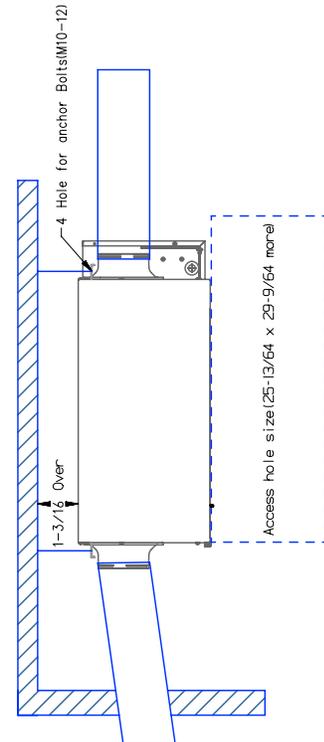
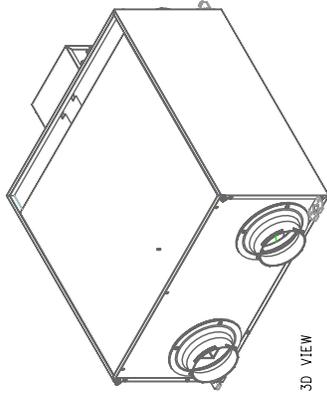
90 CFM



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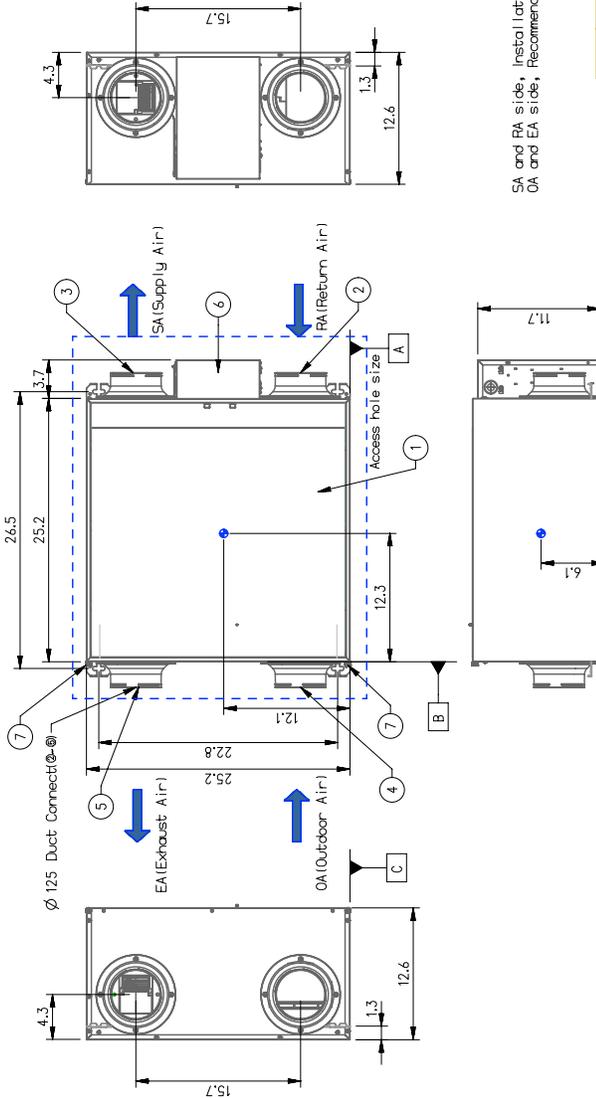
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[Unit: inch]

Outdoor side duct gradient 1/30 max
(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).

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

Note for PDB of indoor unit

Note

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

Symbols

↑ Air Flow Direction

⊕ Gravity Point