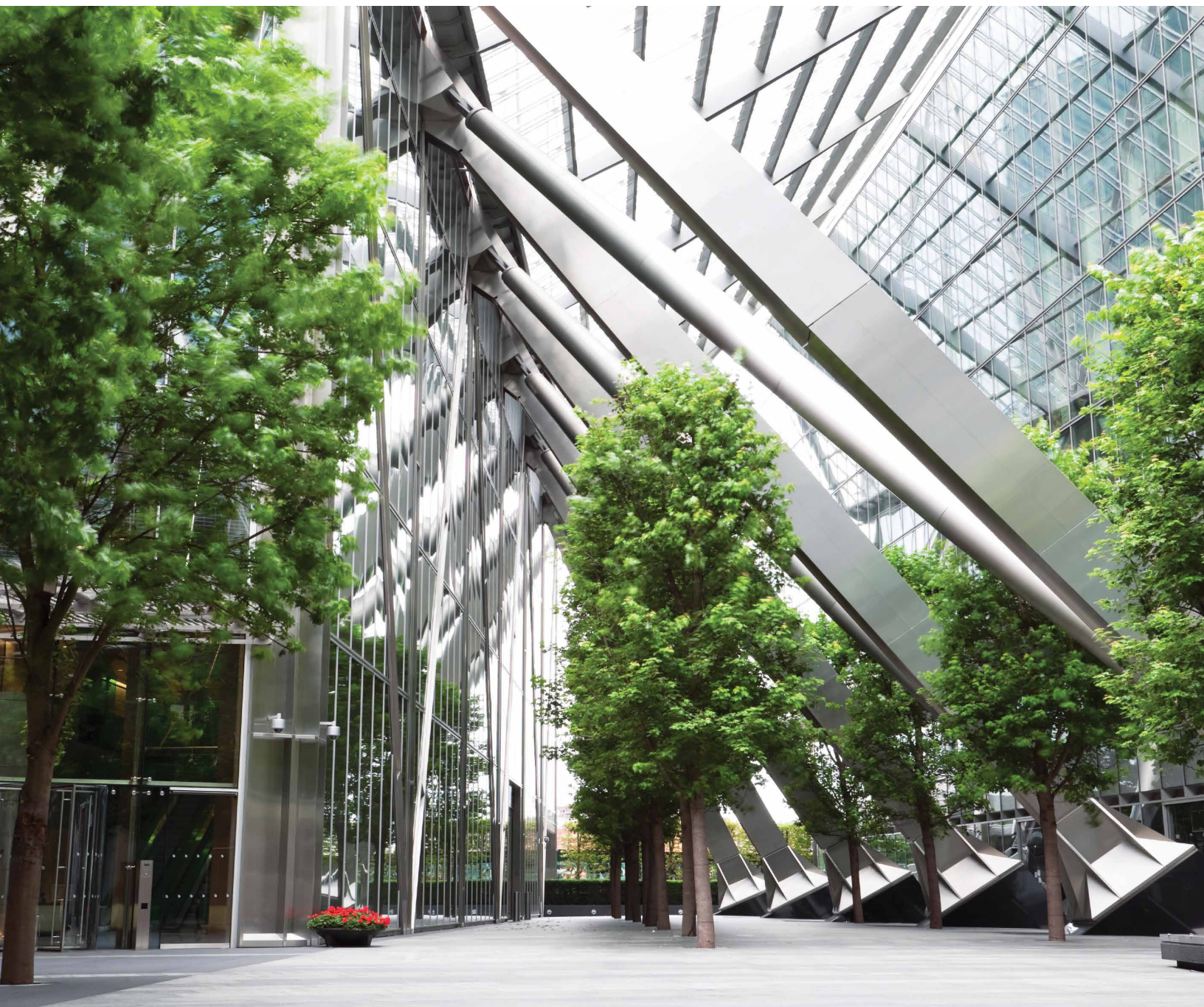




Outside air solution

LG ERV

- Cleaner Indoor Air
- Conditions Outdoor Air



About LG ERV Technology

Modern buildings today are built to be energy efficient and tightly sealed. LG ERV is a system that brings fresh outside air indoors to improve air quality without sacrificing energy efficiency. Energy recovery unit recovers heat from exhaust air.

LG ERV Benefits:

- Cleaner indoor air
- Increased indoor comfort
- Efficient
- Easy to install and use



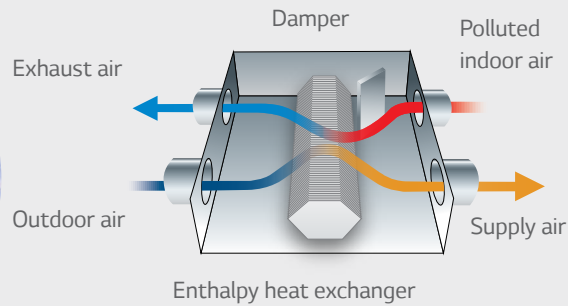
How does the LG ERV work?

Outside supply air is preconditioned by the exhaust air through an energy recovery core.

The LG ERV preconditions temperature and humidity of incoming fresh air before bringing it indoors. The aim is to achieve a balance between indoor and outdoor ambient temperatures.


Also, LG ERV enables the load placed on the air conditioning system to be reduced in some designs.

LG ERV



HEAT RECOVERY VENTILATOR

With today's concern for indoor environment, the LG ERV is an integral part of an air conditioning system for fresh air intake and stale air removal.

Models	ARVU053ZEA2	ARVU063ZEA2	ARVU093ZFA2	ARVU123ZFA2
AHRI Standard 1060				
Performance				
Capacity (CFM)	470	590	880	1,180
Power Input (SH1) Watts	360	470	720	930
Operating Range				
Operating Range (°F DB)	14-113	14-113	14-113	14-113
Heat Exchanger Data				
Air-to-Air Heat Exchanger	Cross flow fixed core	Cross flow fixed core	Cross flow fixed core	Cross flow fixed core
Quantity	1	1	1	1
Temperature Exchanger Efficiency (%) (fan speed SH1)				
Cooling (fan speed SH1)	62	59	62	59
Heating (fan speed SH1)	61	58	61	58
Enthalpy Exchange Efficiency (%)				
Cooling (fan speed SH1)	37	34	37	34
Heating (fan speed SH1)	52	49	52	49
Unit Data				
Sound Pressure dB(A)	40/37/31	41/39/33	44/41/35	45/41/35
Net Unit Weight (lbs)	148	148	331	331
Shipping Weight (lbs)	177	177	397	397
Fan				
Type	Cross Flow	Cross Flow	Cross Flow	Cross Flow
Quantity	2	2	2	2
Motor/Drive	Brushless Digitally Controlled/Direct	Brushless Digitally Controlled/Direct	Brushless Digitally Controlled/Direct	Brushless Digitally Controlled/Direct
Airflow Rate SH/H/L (CFM)	471/471/388	589/589/471	883/883/706	1177/1177/942
External Static Pressure				
SH/H/L (in wg)	0.80/0.44/0.24	0.64/0.36/0.20	0.80/0.44/0.24	0.64/0.36/0.20
Filters				
Quantity	2	2	4	4
Size (W x H x D)	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"	41-9/16" x 8-3/8" x 13/32"



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