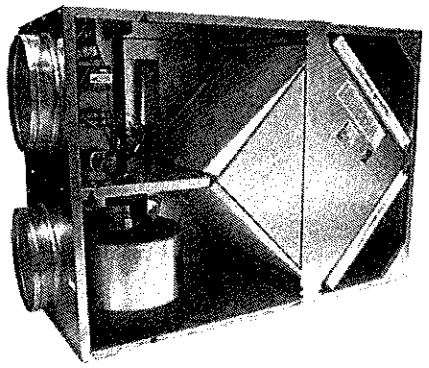
HE 1XINH (ECM OPTION)

INDOOR UNIT



SPECIFICATIONS

Ventilation Type:
Static plate, heat and humidity transfer

Typical Airflow Range: 250-1,100 CFM

AHRI 1060 Certified Core: One L125-G5

Standard Features:
Non-fused disconnect
24 VAC transformer/relay package

Filters:
Total qty. 2, MERV 8: 20" x 20" x 2"

Unit Dimensions & Weight:
54 3/4" L x 23 3/4" W x 35 3/4" H
207-278 lbs.

Max. Shipping Dimensions & Weight (on pallet):
63" L x 30" W x 56" H
325 lbs.
Accessories box shipped loose on top of unit.

Motor(s):
Qty. 2, 0.5 HP ea., Direct drive ECM blower/ motor packages

Options:
Fused disconnect
Double wall construction
Motorized isolation dampers - FA, EA or both airstreams
Qty. 2, Factory mounted filter alarms

Accessories:
Filters - MERV 13, 2" (shipped loose)
Backdraft damper - 12"
Motorized isolation damper - both airstreams
Wall cap -12" galvanized or paintable galvanneal
Potentiometer speed control - remote installed
Digital time clock - wall mount (TC7D-W)
Digital time clock - in exterior enclosure (TC7D-E)
Motion occupancy control - ceiling mount (MC-C)
Motion occupancy control - wall mount (MC-W)
Carbon dioxide control - wall mount (CO2-W)
Carbon dioxide control - duct mount (CO2-D)

ECM OPTION OPERATING RANGE

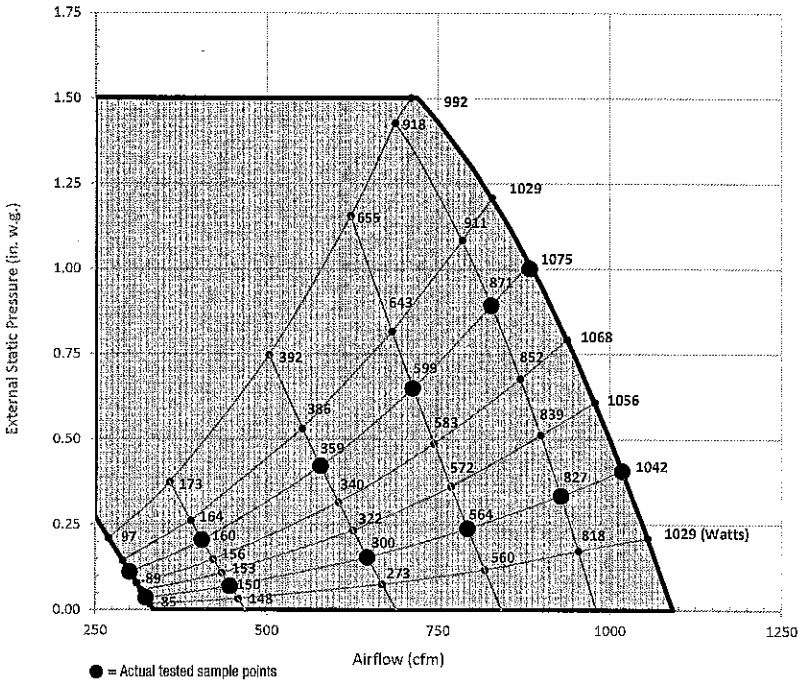
HE1XINH ECM

Sample Points Depicted in Larger Dots

Airflow (CFM)	External Static Pressure (Inches Water Column)	Unit Power Consumption (Watts)
324	0.04	86
446	0.07	150
647	0.15	300
794	0.24	564
929	0.33	827
1019	0.41	1042
300	0.11	91
406	0.20	160
579	0.42	359
713	0.65	599
828	0.89	871
883	1.00	1075

Note: Watts is for the entire unit.

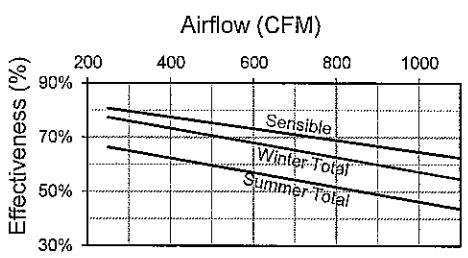
Note: Airflow performance includes effect of clean, standard filter supplied with unit.



ELECTRICAL DATA

HP	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
0.5	120	60	Single	8.1	18.2	25
0.5	208-230	60	Single	4.8	10.8	15

CORE PERFORMANCE

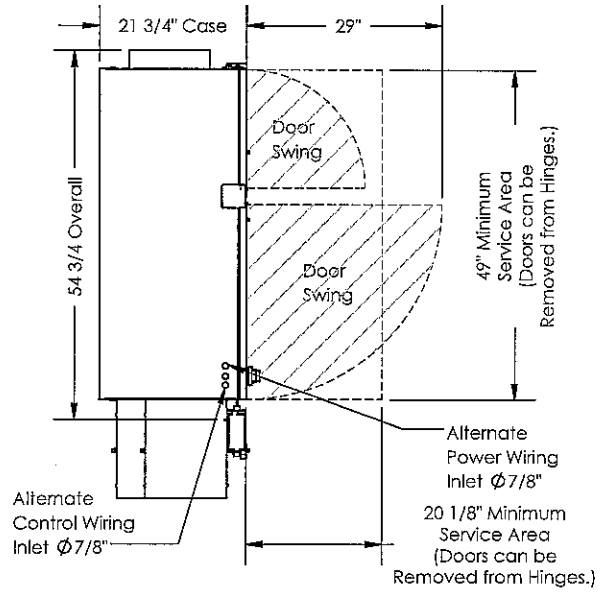


At AHRI 1060 standard conditions. See all AHRI certified ratings at www.ahrinet.org.

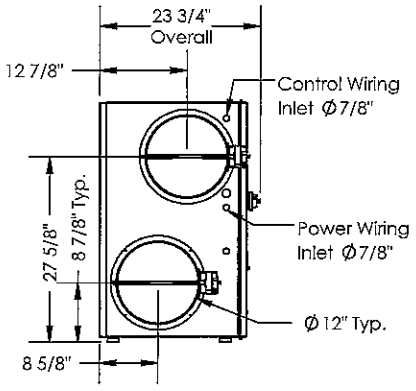
Specifications may be subject to change without notice.

RenewAire Energy Recovery Ventilation

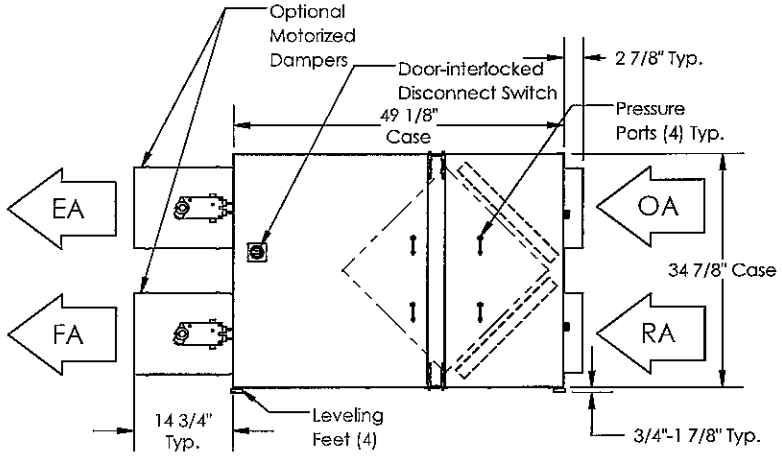
HE1XINH



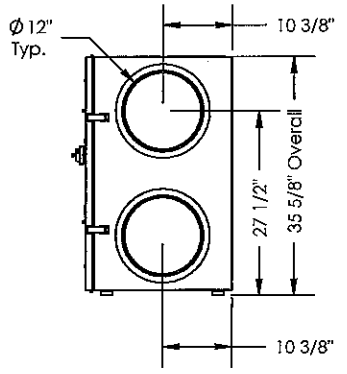
TOP VIEW



LEFT VIEW



FRONT VIEW



RIGHT VIEW

ABBREVIATIONS
EA: Exhaust Air to Outside
OA: Outside Air Intake
RA: Room Air to be Exhausted
FA: Fresh Air to Inside

INSTALLATION ORIENTATION
Unit may be installed in any orientation.

NOTE
1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.

2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.

AIRFLOW CONFIGURATION
Available as shown in dimension drawing.

UNIT MOUNTING & APPLICATION
Can be mounted in any orientation. RA/EA airstream can be switched with OA/FA airstream unless certain options are selected.

RenewAire®
Energy Recovery Ventilation

Unit Report

Project Name: Orange Theory Fitness	Project Engineer:
Project Address:	Firm/Company Name: Trane
Weather Data Location:	Prepared By: Dan Broderick
Project General Description:	Phone Number: 207-239-3412 Fax Number: Email Address: djbroderick@trane.com

Tag/Mark/Designation	ERV-1	
Location		
Area Served		
Manufacturer	RenewAire	
Model #	HE1XINH	
Core	G5 = J	
Fresh Air Supply (FA)		
CFM	500	
External Static Pressure (in W.C.)	0.75	
Filter Rating (MERV)	MERV-8	
Exhaust Air (EA)		
CFM	500	
External Static Pressure (in W.C.)	0.75	
Filter Rating (MERV)	MERV-8	
Performance Data	**Winter**	**Summer**
Room Exhaust Air		
Dry Bulb (F)	70	75
Relative Humidity (%)	35	52
Wet Bulb (F)	54.4	63
Absolute Humidity (lb H2O/lb dry air)	0.0054	0.0095
Enthalpy (BTU/lb)	22.7	28.4
Outside Air		
Dry Bulb (F)	-3	86
Relative Humidity (%)	23	49
Wet Bulb (F)	-5	71
Absolute Humidity (lb H2O/lb dry air)	0.0002	0.0128
Enthalpy (BTU/lb)	-0.5	34.7
Supply Air		
Dry Bulb (F)	52	77.7
Relative Humidity (%)	42	55
Wet Bulb (F)	42.1	66.3
Absolute Humidity (lb H2O/lb dry air)	0.0034	0.0112
Enthalpy (BTU/lb)	16.2	30.9
Sensible Original Load (BTU/h)	39420	5940
Sensible Original Load (Tons)		0.5
Sensible Heat Recovered (BTU/h)	29702	4476
Sensible Heat Recovered (Tons)		0.4
Sensible Load Remaining (BTU/h)	9718	1464
Sensible Load Remaining (Tons)		0.1
Latent Original Load (BTU/h)	12949	8251
Latent Original Load (Tons)		0.7
Latent Heat Recovered (BTU/h)	7889	4247
Latent Heat Recovered (Tons)		0.4
Latent Load Remaining (BTU/h)	5060	4004
Latent Load Remaining (Tons)		0.3
Total Original Load (BTU/h)	52369	14191
Total Original Load (Tons)		1.2
Total Heat Recovered (BTU/h)	37591	8723
Total Heat Recovered (Tons)		0.7
Total Load Remaining (BTU/h)	14778	5468
Total Load Remaining (Tons)		0.5
Sensible Load Savings Ratio (%)	75	75
Latent Load Savings Ratio (%)	61	51
Total Load Savings Ratio (%)	72	61
Unit Electrical Data		
V/P/H	208-230/60/1	
Supply Air Motor HP	0.75 (w/ ECM)	
Supply Air Motor FLA	5.1-4.9	
Exhaust Air Motor HP	0.75 (w/ ECM)	
Exhaust Air Motor FLA	5.1-4.9	
MCA (Amps)	11.5	
MOPD (Amps)	15	
Unit Physical Data		
Length (in)	e current dim. draw	
Width (in)	e current dim. draw	
Height (in)	e current dim. draw	
Weight (lbs)	See catalog page	
Notes		