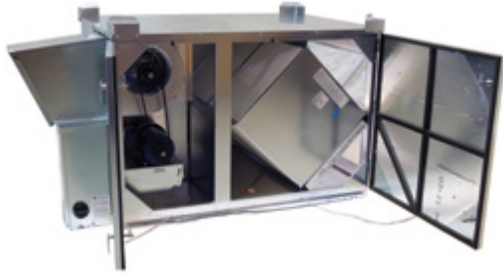




ENERGY RECOVERY VENTILATOR



ROOFTOP UNIT DIRECT CONNECT



Energy recovery core is AHRI Certified®



SPECIFICATIONS

Ventilation Type:

Static plate, heat and humidity transfer

Airflow Range: 500–1,700 CFM

AHRI 1060 Certified Core: Two L125-G5

Standard Features:

TEFC premium efficiency motors

Motor starters

Non-fused disconnect

24VAC transformer/relay package

Cross-core differential pressure ports

Filters:

Total qty. 4, MERV 8; (2) 20" x 20" x 2" and
(2) 14" x 20" x 2"

Unit Weight:

566–711 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

80" L x 90" W x 50" H

850 lbs.

Motor(s):

Qty. 2, 2.0 HP ea., Belt drive blower/standard (IE3) motor
packages with adjustable sheaves

Options:

Ultra premium efficiency (IE5+) motors with variable

frequency drive (VFDs): both airstreams

Onboard VFDs: both airstreams

Shaft grounding ring on motors with VFDs

Fused disconnect

Integrated programmable controls: enhanced, premium

Factory mounted filter alarms: both airstreams

Double wall construction

Exterior paint: white, custom colors

Accessories:

Filters: MERV 13, 2" (shipped loose)

Automatic balancing damper: 4", 5", 6"

RTC transition kit: for vertical RTU, for horizontal RTU

Rooftop RTC transition paint: white, custom colors

Digital time clock: wall mount (TC7D-W),

in exterior enclosure (TC7D-E)

Carbon dioxide sensor/control:

wall mount (CO2-W), duct mount (CO2-D)

IAQ sensor: wall mount (IAQ-W), duct mount (IAQ-D)

Motion occupancy sensor/control:

ceiling mount (MC-C), wall mount (MC-W)

Smoke detector: duct mount (SD-D)

BACnet fan control: wall mount (BACNETFC-W)

ELECTRICAL DATA

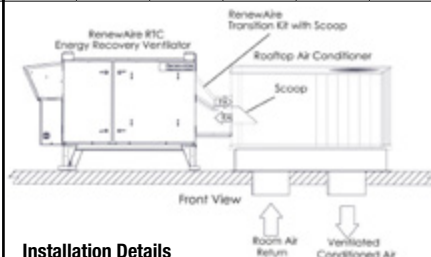
Electrical Specifications				Motor Starters (Standard)			Optional IE3 Efficiency Motor with VFDs			Optional IE5+ Efficiency Motor with VFDs		
HP	Volts	Hz	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
2.0	208–230	60	Single	10.8–10.0	24.3	35	6.6–5.8	25.7	35	4.5–4.5	17.5	25
	208–230	60	Three	6.6–5.8	14.9	20	6.6–5.8	14.9	20	4.5–4.5	10.1	15
	460	60	Three	2.9	6.5	15	2.9	6.5	15	2.3	5.2	15
	575	60	Three	2.3	5.2	15	2.3	5.2	15			

AIRFLOW PERFORMANCE

	Blower RPM Nominal	Sheave Adj. Turns Open	Tie-In Directly to Rooftop A/C Unit						Unit Ducted Independently							
			Static Pressure in Adjacent Air Handler (Inches Water Column)						External Static Pressure (Inches Water Column)							
			-0.75		-0.50		-0.25		0.00		+0.25		+0.50		+0.75	
			CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
Exhaust Air	1450	0											1785	1.85	1664	1.6
	1370	1	2060	1.9	2000	1.9	1940	1.9	1900	1.9	1740	1.8	1570	1.57	1400	1.4
	1290	2	1940	1.7	1860	1.7	1780	1.7	1727	1.6	1575	1.5	1350	1.40	1125	1.3
	1210	3	1765	1.5	1700	1.5	1635	1.5	1560	1.4	1385	1.3	1165	1.12	945	1.0
	1130	4	1580	1.3	1515	1.3	1450	1.2	1365	1.1	1235	1.1	978	0.88	721	0.7
	1050	5	1390	1.1	1345	1.1	1300	1.1	1200	1.0	1060	0.9	810	0.80	560	0.7
	945	6	1198	0.9	1154	0.9	1110	0.9	1025	0.7	895	0.6	765	0.61	635	0.6
Fresh Air	1705	0									1600	2.0	1480	1.87	1360	1.7
	1610	1					1635	2.0	1555	1.9	1490	1.8	1375	1.67	1260	1.5
	1515	2	1742	2.0	1631	1.9	1520	1.7	1430	1.6	1355	1.6	1230	1.43	1105	1.3
	1420	3	1620	1.7	1515	1.6	1410	1.5	1300	1.4	1230	1.4	1115	1.23	1000	1.1
	1325	4	1465	1.5	1370	1.4	1275	1.3	1190	1.3	1120	1.2	995	1.05	870	0.9
	1230	5	1325	1.3	1245	1.2	1165	1.1	1080	1.0	985	0.9	850	0.79	715	0.6
	1090	6	1170	1.0	1085	0.9	1000	0.8	905	0.8	824	0.7	743	0.64	662	0.6

Operation in this zone will likely exceed FLA limits.

Note: Brake horsepower (BHP) is for one blower motor package only. Airflow performance includes effect of clean, standard filter supplied with unit.



HE2XRTC ENERGY RECOVERY VENTILATOR

ABBREVIATION

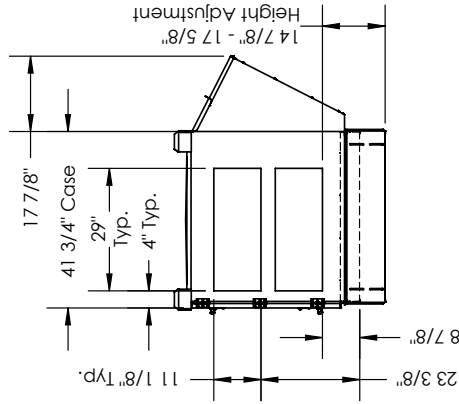
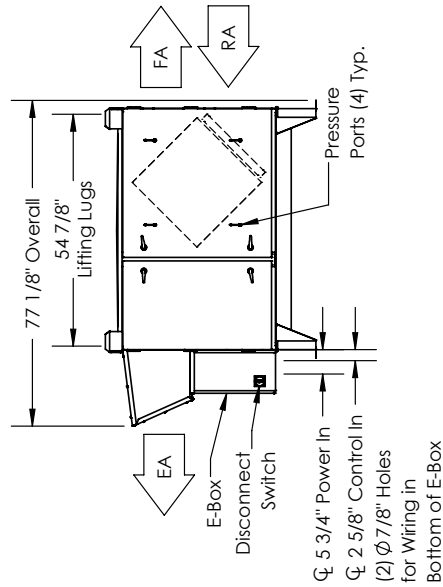
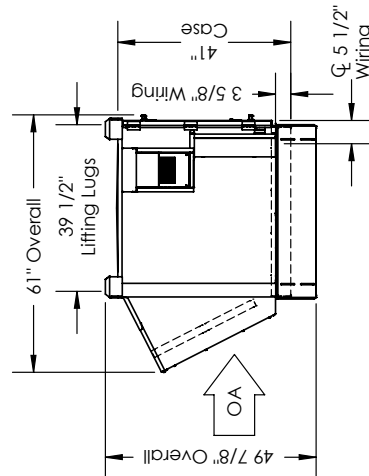
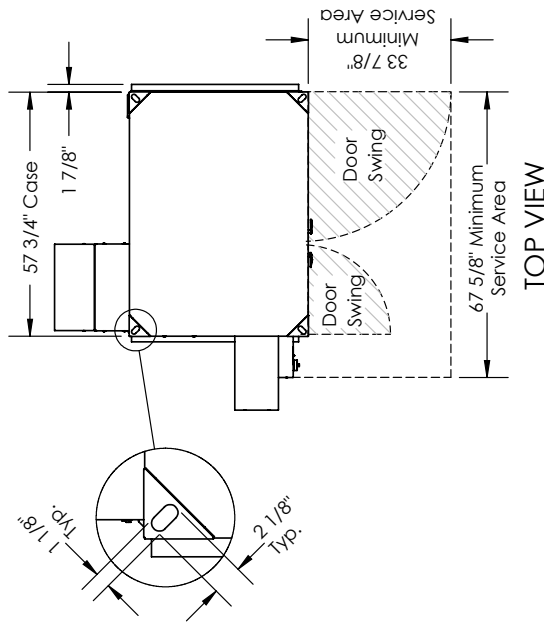
EA: Exhaust Air to outside
OA: Outside Air intake
RA: Room Air to be exhausted
FA: Fresh Air to inside

INSTALLATION ORIENTATION

Unit must be installed in orientation shown.

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 ORIENTATION

Available as shown in dimension drawing.



UNIT MOUNTING & APPLICATION

Must be mounted as shown. Airstreams cannot be switched.