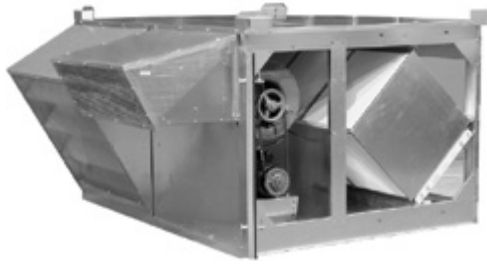




ROOFTOP UNIT DIRECT CONNECT

ENERGY RECOVERY VENTILATOR



Energy recovery core is AHRI Certified®



SPECIFICATIONS

Ventilation Type:

Static plate, heat and humidity transfer

Airflow Range: 2,500–3,900 CFM

AHRI 1060 Certified Core: Four 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. 8, MERV 8: (4) 20" x 20" x 2" and
(4) 16" x 20" x 2"

Unit Weight:

887–1,169 lbs., varies by option(s)

Max. Shipping Dimensions & Weight (on pallet):

80" L x 90" W x 80" H
1,300 lbs.

Motor(s):

Qty. 2, 5.0 HP ea., Belt drive blower/standard 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, Qty. 2: 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

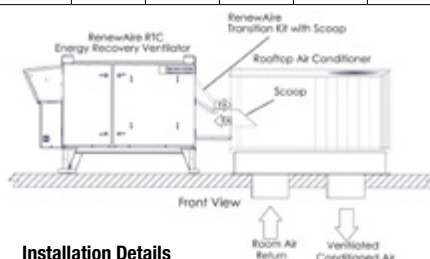
Electrical Specifications				Motor Starters (Standard)			Optional IE3 Efficiency Motor with VFDs			Optional IE5+ Efficiency Motor with VFDs		
HP	Volts	HZ	Phase	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device	FLA per motor	Min. Cir. Amps	Max. Overcurrent Protection Device
5.0	208-230	60	Three	13.9-13.4	31.3	45	13.9-13.4	31.3	45	10.5-10.5	23.6	30
	460	60	Three	6.7	15.1	20	6.7	15.1	20	5.3	11.9	15
	575	60	Three	5.3	11.9	15	5.3	11.9	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	1600	0	4486	5.0	4450	4.7	4414	4.5	4250	4.1	4000	3.6	3700	3.3	3400	3.1
	1560	1	4472	4.8	4406	4.6	4340	4.3	4225	3.8	3925	3.4	3600	3.2	3275	3.0
	1525	2	4400	4.8	4350	4.5	4290	4.1	4156	3.6	3775	3.0	3450	2.9	3125	2.8
	1490	3	4395	4.7	4320	4.3	4245	4.0	4067	3.4	3665	2.8	3300	2.5	2935	2.3
	1450	4	4360	4.3	4280	3.9	4200	3.5	3900	3.1	3520	2.5	3150	2.3	2780	2.0
	1415	5	4340	3.6	4230	3.4	4120	3.2	3760	2.8	3415	2.4	3050	2.0	2685	1.6
	1375	6	4335	3.0	4150	2.9	3965	2.8	3600	2.4	3280	2.0	2950	1.7	2620	1.4
Fresh Air	1855	0													3245	5.0
	1815	1													3125	4.6
	1770	2							3450	4.8	3275	4.6	3140	4.5	3005	4.3
	1730	3	3920	5.0	3760	5.0	3600	5.0	3360	4.5	3180	4.1	3060	4.0	2940	3.9
	1685	4	3790	4.6	3670	4.6	3550	4.7	3270	4.1	3090	3.7	2970	3.7	2850	3.7
	1645	5	3724	4.2	3582	4.3	3440	4.5	3190	3.6	3010	3.4	2890	3.3	2770	3.3
	1600	6	3680	4.2	3500	4.1	3320	3.9	3100	3.5	2910	2.9	2790	2.8	2670	2.8

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.

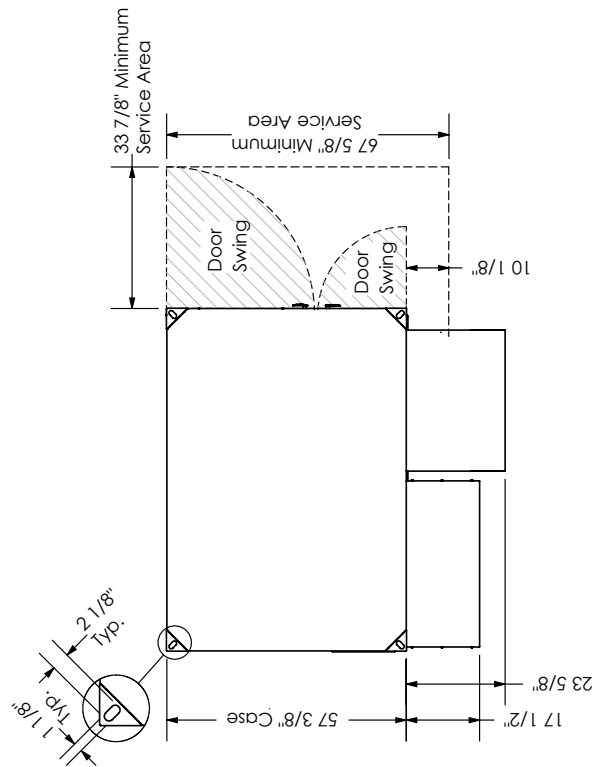


HE4XRTC ENERGY RECOVERY VENTILATOR

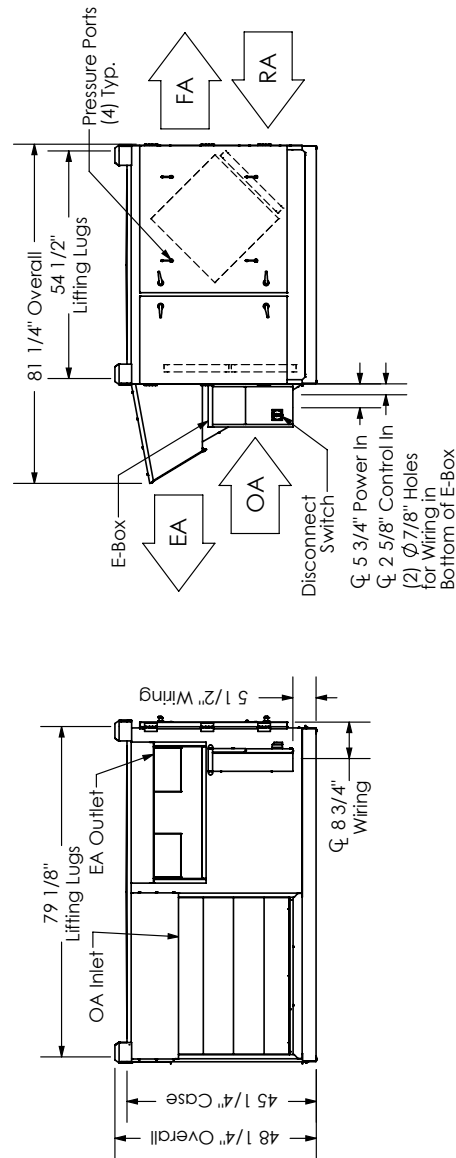
ABBREVIATIONS
 EA: Exhaust Air to outside
 OA: Outside Air intake
 RA: Room Air to be exhausted
 FA: Fresh Air to inside

INSTALLATION ORIENTATION
 Unit must be installed in orientation shown.

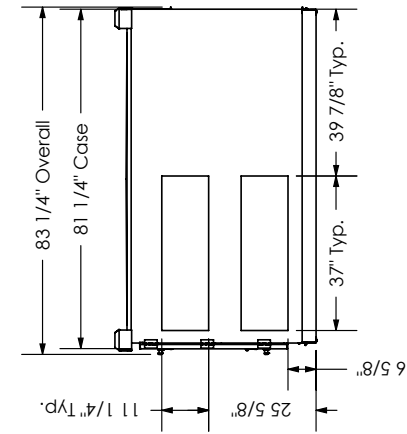
NOTE:
 1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE ROUNDED TO THE NEAREST EIGHTH OF AN INCH.
 2. SPECIFICATIONS MAY BE SUBJECT TO CHANGE WITHOUT NOTICE.



TOP VIEW



LEFT VIEW



RIGHT VIEW

AIRFLOW ORIENTATION

Available as shown in dimension drawing.

UNIT MOUNTING & APPLICATION

Must be mounted as shown. Airstreams cannot be switched.

