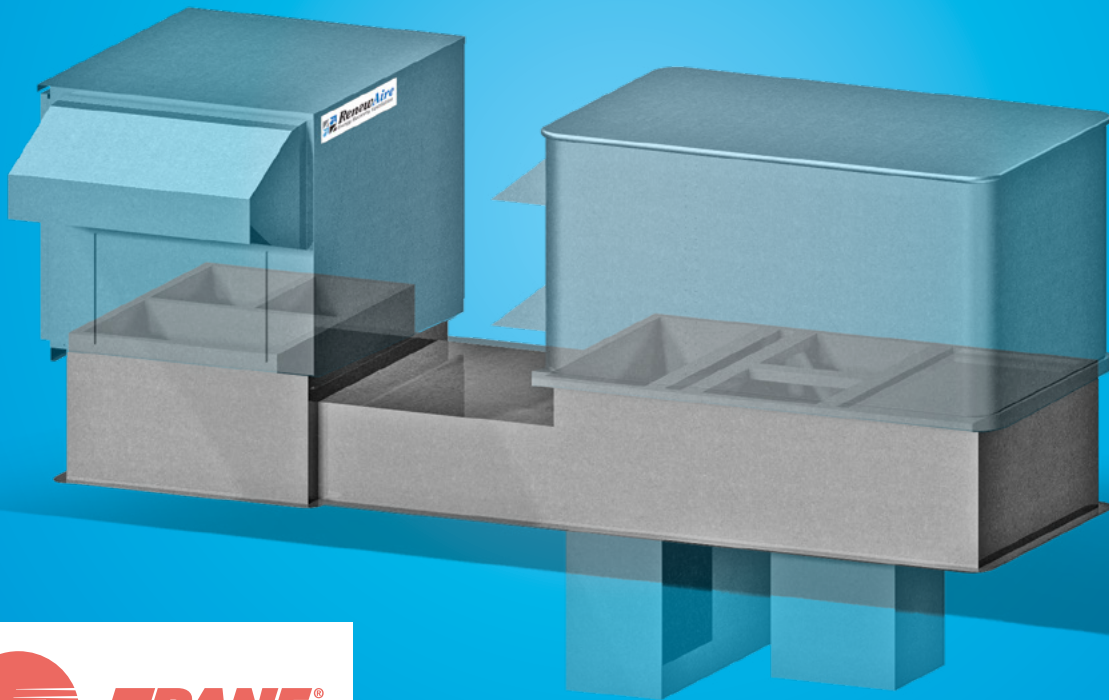




ENGINEERED

COMBO CURBS

EFFICIENTLY SUPPORTING VENTILATION REQUIREMENTS FOR TRANE RTUs



DESIGNED TO WORK WITH TRANE ROOFTOP UNITS & RENEWAIRE ERVs

RENEWAIRE EVERYWHERE

EVERY GEOGRAPHY, EVERY CLIMATE, EVERY HOME,
EVERY BUILDING AND EVERY APPLICATION







ENGINEERED COMBO CURBS

KEY BENEFITS

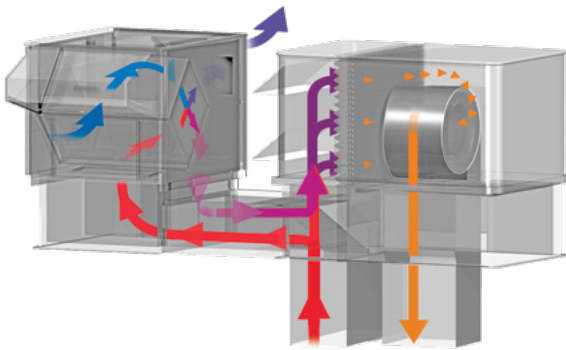
RenewAire Engineered Combo Curbs easily combine Trane Rooftop Units with our Energy Recovery Ventilators (ERVs). They eliminate the need for transitional ductwork between the RTU and the ERV, reducing the time and costs of installation.

Simply install the curb, run the return and supply duct to the curb openings, then install the Trane and RenewAire units onto the curb. Additionally, the curbs allow the Trane unit to function in its standard operation as well as full-flow economizer modes.

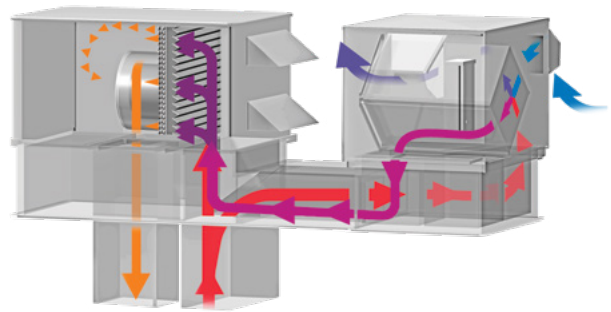
APPLICATIONS

 EA: Exhaust Air	 RA: Room Return Air	 FA: Fresh Air
 OA: Outdoor Air	 SA: Conditioned Supply Air	 RA/FA: Mixed Room and Fresh Air

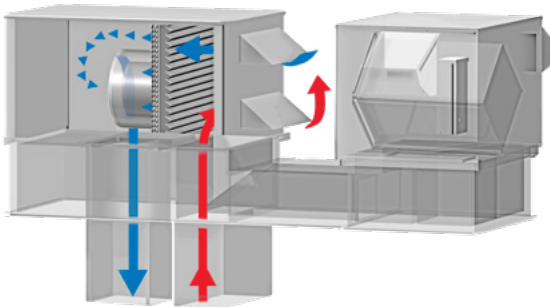
STANDARD OPERATION-VIEW 1
(Heating Application)



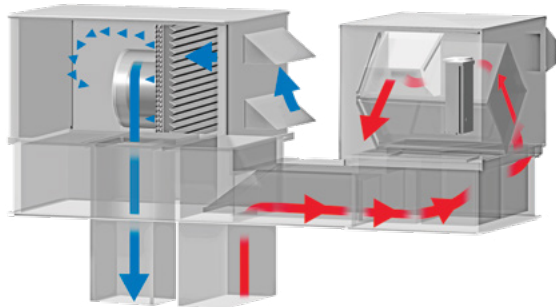
STANDARD OPERATION-VIEW 2
(Heating Application)



STANDARD RTU ECONOMIZER OPERATION

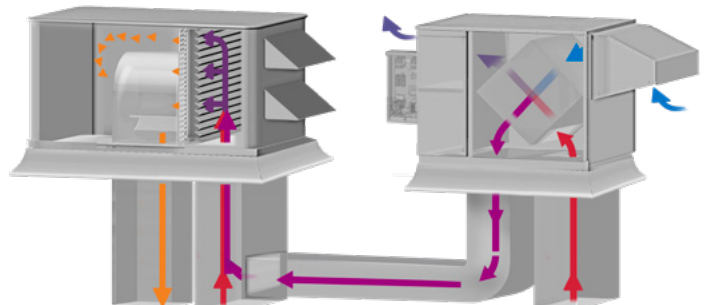


RENEWAIRE ERV POWERED RELIEF



TRADITIONAL CURB APPLICATION (STAND ALONE UNITS)

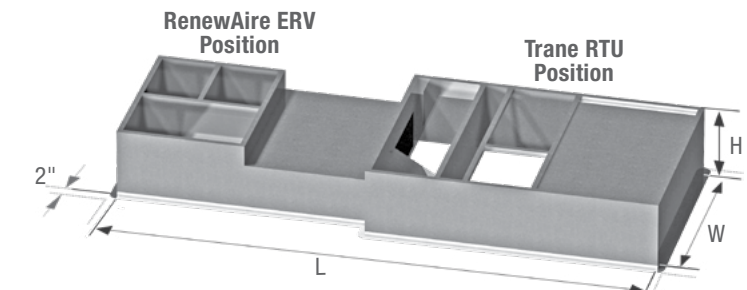
- ◆ Transitional ductwork required between the ERV and the rooftop unit
- ◆ Two curbs required
- ◆ Two sets of rooftop penetrations



SELECTING A CURB

TRANE ROOFTOP UNIT			RENEWAIRE ENERGY RECOVERY VENTILATOR		RENEWAIRE COMBO CURB				
Line	Model	Tonnage	CFM Range	Model	Model	Length (L)	Width (W)	Height (H)	Weight (est.)
Precedent	YHC YSC	036 (3 ton), 037 (3 ton), 048 (4 ton), 060 (5 ton), 067 (5 ton)	166–694	HE07RTV	ECTPB07	132 3/8"	40 3/8"	20"	645 lbs.
			250–1100	HE10RTV	ECTPB10	119"	40 3/8"	20"	633 lbs.
			375–1650	HE1.5XRTV	ECTPB1.5X	127 3/4"	41 1/4"	20"	351 lbs.
			500–2200	HE2XRTV	ECTPB2X	137 5/8"	47 1/4"	20"	385 lbs.
	YHC YSC	047 (4 ton), 048 (4 ton), 060 (5 ton), 067 (5 ton), 072 (6 ton), 090 (7.5 ton Single Compressor), 092 (7.5 ton, Dual Compressor) 102 (8.5 ton), 072 (6 ton), 090 (7.5 ton Single Compressor), 092 (7.5 ton, Dual Compressor), 102 (8.5 ton), 120 (10 ton)	166–694	HE07RTV	ECTPCD07	151 1/8"	40 3/8"	20"	723 lbs.
			250–1100	HE10RTV	ECTPCD10	137 3/4"	40 3/8"	20"	697 lbs.
			375–1650	HE1.5XRTV	ECTPCD1.5X	146 1/2"	49 3/8"	20"	408 lbs.
			500–2200	HE2XRTV	ECTPCD2X	156 3/8"	49 3/8"	20"	400 lbs.
			750–3300	HE3XRTV	ECTPCD3X	175 3/8"	53 3/8"	20"	410 lbs.
			1000–4345	HE4XRTV	ECTPCD4X	195 1/8"	53 3/8"	25"	450 lbs.
	YHC YZC	120 (10 ton) 120 (10 ton)	250–1100	HE10RTV	ECTPE10	137 3/4"	40 3/8"	20"	751 lbs.
			375–1650	HE1.5XRTV	ECTPE1.5X	146 1/2"	59 3/8"	20"	450 lbs.
			500–2200	HE2XRTV	ECTPE2X	156 3/8"	59 3/8"	20"	415 lbs.
			750–3300	HE3XRTV	ECTPE3X	175 3/8"	59 3/8"	20"	425 lbs.
			1000–4345	HE4XRTV	ECTPE4X	195 1/8"	59 3/8"	25"	465 lbs.
	Voyager	TSD YSD	150 (12.5 ton, 60 Hz) 150 (12.5 ton, 60 Hz)	250–1100	HE10RTV	ECTVB10	155 1/2"	66"	20"
375–1650				HE1.5XRTV	ECTVB1.5X	166 1/4"	66"	20"	499 lbs.
500–2200				HE2XRTV	ECTVB2X	176 1/8"	66"	20"	445 lbs.
750–3300				HE3XRTV	ECTVB3X	195 1/8"	66"	20"	455 lbs.
1000–4345				HE4XRTV	ECTVB4X	214 7/8"	66"	25"	495 lbs.
1500–6600				HE6XRTV	ECTVB6	252 1/2"	102 1/4"	25"	620 lbs.
2000–8800				HE8XRTV	ECTVB8	252 1/2"	102 1/4"	30"	685 lbs.
1500–6600				LE6XRTV	ECTVB6X	311 3/4"	66"	25"	705 lbs.
2000–8800				LE8XRTV	ECTVB8X	370 3/4"	66"	30"	780 lbs.
T/YHD T/YSD WSD		150 (12.5 ton, 60 Hz), 155 (15 ton, 50 Hz), 175 (17.5 ton, 50 Hz), 180 (15 ton, 60 Hz), 200 (20 ton, 50 Hz), 210 (17.5 ton, 60 Hz), 240 (20 ton, 60 Hz), 250 (25 ton, 50 Hz), 300 (25 ton, 60 Hz) 155 (15 ton, 50 Hz), 175 (17.5 ton, 50 Hz), 180 (15 ton, 60 Hz), 200 (20 ton, 50 Hz), 210 (17.5 ton, 60 Hz), 240 (20 ton, 60 Hz), 250 (25 ton, 50 Hz), 300 (25 ton, 60 Hz) 150 (12.5 ton, 60 Hz), 155 (15 ton, 50 Hz), 180 (15 ton, 60 Hz), 200 (20 ton, 50 Hz), 240 (20 ton, 60 Hz)	250–1100	HE10RTV	ECTVC10	170 5/8"	80"	20"	873 lbs.
			375–1650	HE1.5XRTV	ECTVC1.5X	181 3/8"	80"	20"	574 lbs.
			500–2200	HE2XRTV	ECTVC2X	191 1/4"	80"	20"	465 lbs.
			750–3300	HE3XRTV	ECTVC3X	210 1/4"	80"	20"	475 lbs.
			1000–4345	HE4XRTV	ECTVC4X	230"	80"	27"	515 lbs.
			1500–6600	HE6XRTV	ECTVC6	267 5/8"	102 1/4"	25"	640 lbs.
			2000–8800	HE8XRTV	ECTVC8	267 5/8"	102 1/4"	30"	705 lbs.
			1500–6600	LE6XRTV	ECTVC6X	326 7/8"	80"	25"	725 lbs.
			2000–8800	LE8XRTV	ECTVC8X	385 7/8"	80"	30"	800 lbs.

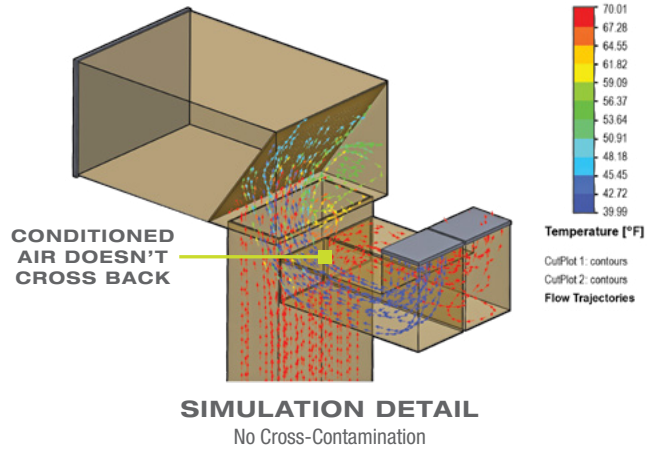
Note: Curb measurements do not include 2" flange.



ENGINEERED EXCELLENCE

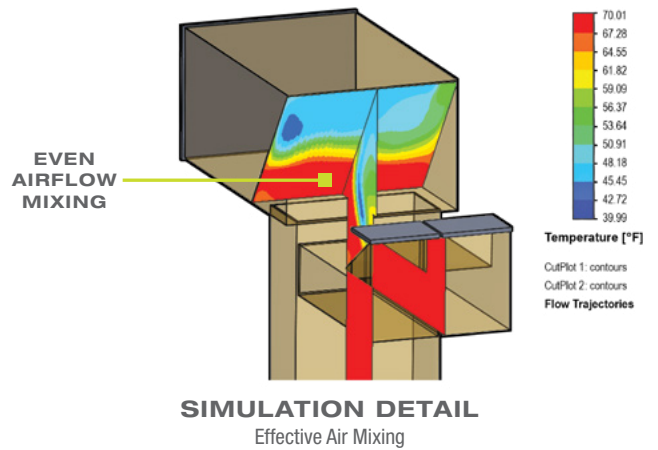
ELIMINATE SHORT CIRCUITING AND CROSS CONTAMINATION

Through detailed analysis, using computational fluid dynamics, RenewAire has engineered the combo curbs so the conditioned supply airstream from the ERV does not cross back into the ERV's return air duct.



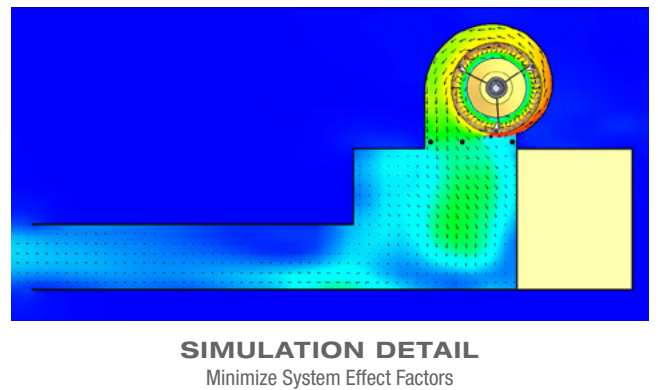
PROVIDE HIGHLY EFFECTIVE AIR MIXING

RenewAire combo curbs have been engineered to provide appropriately distributed airflow from the ERV's supply airstream across the RTU's heating and cooling coils. This feature ensures design efficiencies of heating and cooling of the RTU are fully maintained.



MINIMIZE SYSTEM EFFECT FACTORS

To ensure the highest levels of efficiency, the RenewAire combo curbs include an engineered component which minimizes negative system effect factors at the ERV's supply air blower opening, improving airflow across the curb and increasing efficiency.



STANDARD CONSTRUCTION

- ◆ Prime G-90, 18-gauge galvanized steel
- ◆ Fully welded and mitered corners (single piece curb lift)
- ◆ Base flange attachments for securing to the building structure
- ◆ 1 1/2" 3 lb. density fiberglass insulation
- ◆ Reinforced with cross channel supports on center
- ◆ Conforms to ASTM A653/A653M (standard specification for sheet metal)

AVAILABLE OPTIONS (SPECIAL ORDER)

- ◆ Seismic and/or wind load applications
- ◆ Pitched roof applications
- ◆ High vibration applications
- ◆ Custom curb heights
- ◆ Heavier metal gauges
- ◆ Aluminum liners

RENEWAIRE

ENGINEERED COMBO CURBS

RenewAire Engineered Combo Curbs create the perfect HVAC solution by combining trusted RenewAire ventilation with Trane Rooftop air-conditioning...AND reduce installation time!

RENEWAIRE

HE07RTV
HE10RTV
HE1.5XRTV
HE2XRTV
HE3XRTV

HE4XRTV
HE6XRTV
HE8XRTV
LE6XRTV
LE8XRTV



TRANE[®]

VOYAGER

PRECEDENT



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