

Belt Use Matrix


Supplement: HE-Series, LE-Series

OVERVIEW

The following belt usage tables are split up by Unit Size, Indoor/Outdoor, Orientation, and Motor Size. Refer to the Configuration Code on the Unit Label found on the RenewAire Unit. For a complete Configuration Code breakdown, see the Reference section at the end of this supplement.

UNIT INFORMATION

Locate the RenewAire unit label, to be found on either the left or right side of the unit.



UL LISTED
DUCTED HEAT RECOVERY VENTILATOR
8955

Energy Recovery Ventilator

WARNING

Danger of electric shock. Always disconnect power source before servicing. Do not install in a cooking area or make line-voltage electrical power connections directly between this unit and any appliance.


AVERTISSEMENT

Danger de choc électrique. Toujours déconnecter la source d'alimentation avant les réparations. N'installez pas de zone de cuisine ou de ligne de tension les connexions d'alimentation électrique directement entre cette unité et tout.

POWER SUPPLY TO UNIT / alimentation d'énergie à l'unité			Motors Protected by IEC / Les Moteurs protégés par des		
Voltage	Minimum Circuit Amps	Maximum Overcurrent Protection Device	Static Motor Starters / démarreurs de moteur de modèle de IP	(Qty) & HP	FLA
208-230V	11.9	15		None	-
60 HZ 3-Phase Amp. Minimales de Circuit / Dispositif à maximum de protection contre les surintensités				(Qty) & CV	APC
				(Qty) & HP	FLA
				2@1.5	4.6-4.8
				(Qty) & CV	APC

Option Code: HE-2XJINH-S35UU---VNT---L


MODEL/MODELE: HE2XIN
 SO#: 052466
 JO#: 28602-0000
 Serial Number: 116 2945C




Label No: 130146_000_D01

TYPICAL UNIT LABEL

UNIT INFORMATION

 NOTE: Single Phase power is shown as 1P and Three Phase is shown as 3P.

 NOTE: Not all motor HPs are available for all Orientations. Greyed out boxes are shown when a configuration is not available.

IMPORTANT

It is important to understand and use the equipment airstream terminology as it is used in this manual. The airstreams are defined as:

- Outside Air (OA): Air taken from the external atmosphere and, therefore, not previously circulated through the system. Each unit has an OA air inlet, located on the end wall.
- Supply Air (SA): Air that is downstream of the enthalpic cores and is ready for conditioning.
- Return Air (RA): Air that is returned to a heating or cooling appliance from a conditioned space. Each unit has an RA inlet, optionally located on either the floor or the end wall of the unit.
- Exhaust Air (EA): Air that is removed from a heating or cooling appliance and discharged. Each unit has an EA outlet, which is on the EA outlet is on the side wall of the unit.

HE-2X				
MODEL	1-1/2 HP		2 HP	
	SA BELT (LEFT SIDE)	EA BELT (RIGHT SIDE)	SA BELT (LEFT SIDE)	EA BELT (RIGHT SIDE)
HE-2XINV	A33		A34	A33
	SA BELT (LOWER LEFT)	EA BELT (UPPER RIGHT)	SA BELT (LOWER LEFT)	EA BELT (UPPER RIGHT)
HE-2XINH	A37	A35	A38	A35
HE-2XRTV HE-2XRTF	A35		A36	
HE-2XRTH HE-2XRTR	A37	A35	A38	
			OA BELT (BACK)	EA BELT (FRONT)
HE-2XRTC			A43	A44

HE-3X						
MODEL	2 HP		3 HP		5 HP	
	SA BELT (LOWER LEFT)	EA BELT (LOWER RIGHT)	SA BELT (LOWER LEFT)	EA BELT (LOWER RIGHT)	SA BELT (LOWER LEFT)	EA BELT (LOWER RIGHT)
HE-3XINV	A40	A38	A43 Alternate: A42	A43	A46	
	SA BELT (LOWER LEFT)	EA BELT (UPPER RIGHT)	SA BELT (LOWER LEFT)	EA BELT (UPPER RIGHT)	SA BELT (LOWER LEFT)	EA BELT (UPPER RIGHT)
HE-3XINH	A38		A42		A45	
HE-3XRTV HE-3XRTF			A43	A42	A45	A46
HE-3XRTH HE-3XRTR			A42		A46	
			OA BELT (BACK)	EA BELT (FRONT)		
HE-3XRTC			A49 (1P) A46 (3P)	A44		

HE-4X						
MODEL	2 HP		3 HP		5 HP	
	SA BELT (LOWER LEFT)	EA BELT (LOWER RIGHT)	SA BELT (LOWER LEFT)	EA BELT (LOWER RIGHT)	SA BELT (LOWER LEFT)	EA BELT (LOWER RIGHT)
HE-4XINV	A40		A43		A46	
	SA BELT (LOWER LEFT)	EA BELT (UPPER LEFT)	SA BELT (LOWER LEFT)	EA BELT (UPPER LEFT)	SA BELT (LOWER LEFT)	EA BELT (UPPER LEFT)
HE-4XINH	A38		A42		A45	
HE-4XRTV HE-4XRTF			A43	A42	A45	A46
HE-4XRTH HE-4XRTR			A42		A46	
						OA BELT (BACK)
HE-4XRTC					A50	A47

HE-6X/8X						
FAN BRAND	5 HP		7.5 HP		10HP	
	SA BELT	EA BELT	SA BELT	EA BELT	SA BELT	EA BELT
Peerless	B52		(2) A47		(2) B46	
	SA BELT (SIDE)	EA (SIDE)	SA BELT (SIDE)	EA (SIDE)	SA BELT (SIDE)	EA (SIDE)
S&P	B67	B79	(2) A66	(2) A78	(2) B67	(2) B79
	SA BELT (DOWN)		(2) A74		(2) B75	
S&P	B75					

LE-6X			
MOTOR SPEED (MOTOR CODE)	3 HP	5 HP	7.5 HP
	SA/EA BELT	SA/EA BELTS	SA/EA BELTS
Low (D, J, M)	BX38 (1 per Blower)	BX36 (2 per Blower)	BX38 (2 per Blower)
Medium (F, K, N)	BX36 (1 per Blower)	BX42 (2 per Blower)	BX36 (2 per Blower)
High (G, L)	BX42 (1 per Blower)	BX38 (2 per Blower)	
Any VFD	BX38 (1 per Blower)		BX36 (2 per Blower)

LE-8X			
MOTOR SPEED (MOTOR CODE)	3 HP	5 HP	7.5 HP
	SA/EA BELT	SA/EA BELTS	SA/EA BELTS
Low (D, J, M)	BX38 (1 per Blower)	BX38 (2 per Blower)	BX36 (2 per Blower)
Medium (F, K, N)		BX36 (2 per Blower)	BX38 (2 per Blower)
High (G, L, P)	BX36 (1 per Blower)	BX40 (2 per Blower)	BX40 (2 per Blower)
Any VFD	BX38 (1 per Blower)	BX38 (2 per Blower)	BX36 (2 per Blower)

LE10X				
MOTOR SPEED (MOTOR CODE)	3 HP	5 HP	7.5 HP	10 HP
	SA/EA BELT	SA/EA BELTS	SA/EA BELTS	SA/EA BELTS
Low (D, J, M)	BX38 (1 per Blower)	BX38 (2 per Blower)	BX36 (2 per Blower)	
Medium (F, K, N, Q)		BX36 (2 per Blower)	BX38 (2 per Blower)	
High (G, L, P, R)	BX36 (1 per Blower)	BX40 (2 per Blower)	BX40 (2 per Blower)	
Any VFD	BX38 (1 per Blower)	BX38 (2 per Blower)	BX36 (2 per Blower)	BX38 (2 per Blower)

FACTORY ASSISTANCE

In the unlikely event that you need assistance from the factory for a specific issue, make sure that you have the information called for in the Unit Information section of the unit manual. The person you speak with at the factory will need that information to properly identify the unit and the installed options.

To contact RenewAire Customer Service:

Call 800-627-4499

Email: RenewAireSupport@RenewAire.com

LE MODELS CONFIGURATION GUIDE

Note: Not all options are available on every model.

MODEL NUMBER	L	E				J									-	-											
DIGIT NUMBER	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25		

Digits 1-5:	Model
"LE-6X"	
"LE-8X"	
"LE10X"	

Digits 7-8:	Location
"IN" = Indoor	
"RT" = Rooftop	

Digit 9:	Orientation
"V", "H" (Indoor Units)	
"V", "H", "R", "F" (Rooftop Units)	

Digit 10:	Vibration Isolation
"N" = Neoprene Isolators	
"S" = Spring Isolators	

Digit 11:	Wall Type
"S" = Single	
"D" = Double	

Digit 12:	Phase (See Restriction 2)
"1" = Single Phase	
"3" = Three Phase	

Digit 13:	Voltage (see Restriction 1)
"4" = 460V	
"5" = 208-230V	
"8" = 575V	

Digit 14:	FA Horsepower (see Restrictions 2, 3 & 4)
"D" = 3 HP Low Speed	
"F" = 3 HP Medium Speed	
"G" = 3 HP High Speed	
"J" = 5 HP Low Speed	
"K" = 5 HP Medium Speed	
"L" = 5 HP High Speed	
"M" = 7.5 HP Low Speed	
"N" = 7.5 HP Medium Speed	
"P" = 7.5 HP High Speed	
"Q" = 10 HP Medium Speed	
"R" = 10 HP High Speed	

Digit 15:	EA Horsepower (see Restrictions 2, 3 & 4)
"D" = 3 HP Low Speed	
"F" = 3 HP Medium Speed	
"G" = 3 HP High Speed	
"J" = 5 HP Low Speed	
"K" = 5 HP Medium Speed	
"L" = 5 HP High Speed	
"M" = 7.5 HP Low Speed	
"N" = 7.5 HP Medium Speed	
"P" = 7.5 HP High Speed	
"Q" = 10 HP Medium Speed	
"R" = 10 HP High Speed	

Digit 18:	Flow Control
"-" = No Isolation Damper	
"D" = Motorized Damper both Airstreams	
"E" = Motorized Damper EA or RA Airstream	
"F" = Motorized Damper FA or OA Airstream	

Digit 19:	Unit Control (see Restrictions 6 & 7)
"A" = Standard Unit Control Wiring	
"V" = Onboard VFD Both Airstreams	

Digit 20:	Disconnect
"N" = Non-Fused (Standard)	
"F" = Fused	

Digit 21:	Unit Control Enhancements
"T" = Transformer with Isolation Relay (Standard)	
"1" = Enhanced Controls	
"2" = Premium Controls	
"3" = Enhanced Controls with BACnet License	
"4" = Premium Controls with BACnet License	

Digit 22:	Filter Options (see Restriction 8)
"-" = None (Standard)	
"F" = Filter Monitor Both Airstreams	

Digit 23:	Flexible Packaging
"A" = Assembled (single piece flat bed)	
"M" = Modular (two pieces for enclosed trailer)	

Digit 24:	Paint and Customization
"-" = None	
"W" = White Paint	
"C" = Custom Paint	
"X" = Custom Unit	

Digit 25:	Safety Listing (see Restriction 5)
"L" = Listed	
"N" = Non-Listed	

*NOTES:
Digit 6 "J" = G5 Core Type. Digits 16 and 17 are not used in these models.



About RenewAire

For over 30 years, **RenewAire has been a pioneer in enhancing indoor air quality (IAQ)** in commercial and residential buildings of every size. This is achieved while maximizing sustainability through our fifth-generation, static-plate, enthalpic-core **Energy Recovery Ventilators (ERVs) that optimize energy efficiency**, lower capital costs via load reduction and decrease operational expenses by minimizing equipment needs, resulting in significant energy savings. Our ERVs are competitively priced, simple to install, easy to use and maintain and have a quick payback. They also enjoy the industry's best warranty with the lowest claims due to long-term reliability derived from innovative design practices, expert workmanship and **Quick Response Manufacturing (QRM)**.

As the pioneer of static-plate core technology in North America, RenewAire is the largest ERV producer in the USA. We're **committed to sustainable manufacturing** and lessening our environmental footprint, and to that end our Waunakee, WI plant is 100% powered by wind turbines. The facility is also one of the few buildings worldwide to be LEED® and Green Globes certified, as well as having achieved ENERGY STAR Building status. In 2010, RenewAire joined the Soler & Palau (S&P) Ventilation Group in order to provide direct access to the latest in energy-efficient air-moving technologies. For more information, visit: renewaire.com

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