

**Central Air Conditioning/Heat Pump System**



**Model ESP-D 2 to 5 Tons**



**SPACEPAK**

SpacePak makes it possible to install central heating and cooling in any home or small business, regardless of structure design, age, size or type of construction. SpacePak is an air distribution system which uses a principle known as aspiration - as the air stream enters the room, it creates a gentle mixing of air in the room to provide thorough, comfortable draft-free air circulation. SpacePak eliminates stratification with a minimal floor-to-ceiling temperature difference.

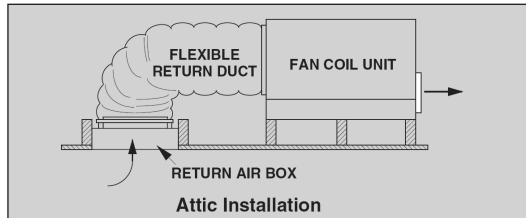
**IDEAL APPLICATION FLEXIBILITY**

Can be located nearly anywhere -- attics (fits up through 16" on-center ceiling joist), basements, crawlspaces and garages.

**STANDARD FAN COIL FEATURES**

- Corrosion resistant cabinet with baked enamel finish. Fully insulated with 1 1/2" pound density batt.
- Six-row copper tube-aluminum fin evaporator coil removes up to 30% more humidity than conventional coil.
- Blower motor is factor-balanced for vibration-free operation.
- Condensate drain connection in base pan for specially-designed, factory-supplied condensate drain assembly.
- Factory-assembled, pre-wired control center with high and low voltage terminal blocks, blower relay and low voltage transformer.
- Factory-installed anti-frost control and thermal expansion valve.
- Standard factory-installed primary drain pan float switch. Sweat type suction/liquid line connections.
- All connections located on same side of unit.
- Can be installed with a conventional outdoor condensing unit as long as capacity and refrigerant line connections meet SpacePak recommendations.
- Shipped with Nitrogen holding charge.

Mfg Part No	Nominal System Capacity		Std CFM @ 1.5" WC	Motor (HP)	FL (Amps)	Connections		Recommended Condensing Unit Capacity (MBH)
	Nom (Tons)	Cool (MBH)				Suction Line (in)	Liquid Line (in)	
ESP-2430D	2	21.0	550	1/3	1.8	7/8	3/8	24
ESP-2430D	2 1/2	24.6	550	1/3	1.8	7/8	3/8	30
ESP-3642D	3	33.4	850	1/2	2.8	7/8	3/8	36
ESP-3642D	3 1/2	38.5	850	1/2	2.8	7/8	3/8	42
ESP-4860D	4	45.0	1150	1	3.6	7/8	3/8	48
ESP-4860D	5	54.0	1150	1	3.6	7/8	3/8	60



**Hot Water Coil Model**

Hot Water Coil Model Number	Fan Coil Unit Model Numbers	BTUH Capacity (Nominal)	Water Connections (in)		Unit Size (in)			Ship Weight (lbs)
			Inlet	Outlet	Height	Depth	Width	
AC-WPAK-60	ESP-2430D/V	60,000	7/8	7/8	14	8 3/4	24	28
AC-WPAK-90	ESP-3642D/V	90,000	7/8	7/8	14	8 3/4	33	34
AC-WPAK-120	ESP-4860D/V	120,000	7/8	7/8	14	8 3/4	43	43



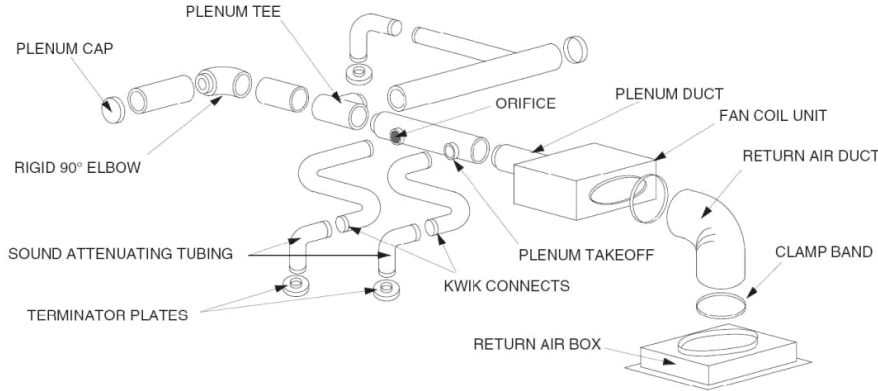
# SPACEPAK

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### Model ESP-D 2 to 5 Tons

#### Air Distribution System Components



#### RETURN AIR BOX (SPC-1D, AC-RBF-3, SPC-3D):

Each includes filter grill with metal frame, permanent filter, and 2 clamp bands. SPC-1D is for ESP-2430D. AC-RBF-3 is for ESP-3642D and SPC-3D is for ESP-4860D.

**RETURN AIR DUCT (SPC-4.5, & 6):** Flexible, 10 feet long with round shape. SPC-4 (15" dia.) for ESP-2430D. SPC-5 (19" dia.) for ESP-3642D and SPC-6 (24" dia.) is for ESP-4860D.

**PLENUM DUCT & COMPONENTS:** May be round or square, fiberboard or sheet metal duct types as specified by the installing contractor. Above layout is shown as an illustrative reference only.

**SUPPLY TUBING (SPC-25-100):** Flexible, insulated, 2" I.D. and 3 1/4" O.D. Each section is 100 feet long.

**R8 SUPPLY TUBING (AC-ST8-50):** Flexible, R8 insulated, 2" I.D. and 6-1/4" O.D. Each section is 50 feet long.

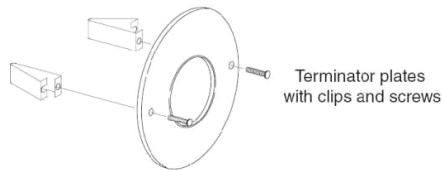
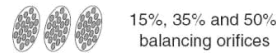
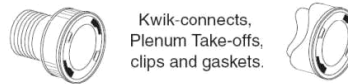
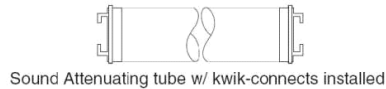
**INSTALLATION KITS:** Each contains a specified amount of sound attenuating tubes, kwik-connects, plenum take-offs, terminator plates, winter supply air shut-offs and balancing orifices to complete installation of room outlets.

#### ADDITIONAL COMPONENTS (not shown)

**WINTER SUPPLY SHUT OFF (SPC-42-10):** To keep moisture from collecting in ductwork during winter months.

**KWIK CONNECT WALL ELBOW (AC-KCWE):** To allow for wall terminations in 2" X 4" stud spaces.

#### INSTALLATION KIT COMPONENTS



**PLIERS (SPC-72):** To assure full setting of all clips (fasteners) in plenum take-off.

**SECONDARY DRAIN PAN:** Specifically sized for SpacePak horizontal fan coil units. Constructed of durable polyethylene. Fan coil unit sets directly on top and can be installed with threaded rod.

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Albany, NY	518-489-0010	Rochester, NY	585-482-3876	Allentown, PA	610-437-9818	Scranton, PA	570-346-1565
Binghamton, NY	607-724-2451	Syracuse, NY	315-475-3131	Altoona, PA	814-941-7617	Stroudsburg, PA	570-424-5724
Buffalo, NY	716-853-1291	Utica, NY	315-732-4077	Erie, PA	814-459-4559	Wilkes-Barre, PA	570-824-8779
Middletown, NY	845-733-5666			Harrisburg, PA	717-558-0828	Williamsport, PA	570-323-4606