

MEETS 2006
DOE REQUIREMENTS (1)



THP Series

Upflow, Closet Fan Coil
Heat Pump or Cooling Only
1.5 - 3 Tons Cooling
0 - 10 kW Electric Heat

LESS THAN 30" TALL!



The **THP** series fan coil is designed as an upflow indoor air handler for use with split system heat pumps and condensing units. The **THP** can be installed on a closet platform or hung on a closet wall.

The cabinet is made of galvanized steel and is fully insulated. The evaporator condensate pan is coated to resist corrosion.

(1) **First Co's customer is ultimately responsible for confirming which fan coil models are compatible with selected outdoor unit(s) and which expansion valves (if any) are required. To determine approved indoor/outdoor matches, go to: www.firstco.com or contact the factory.**

Unique Standard Features:

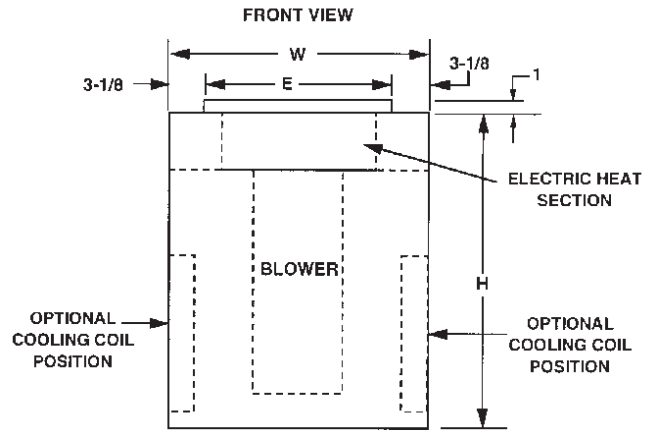
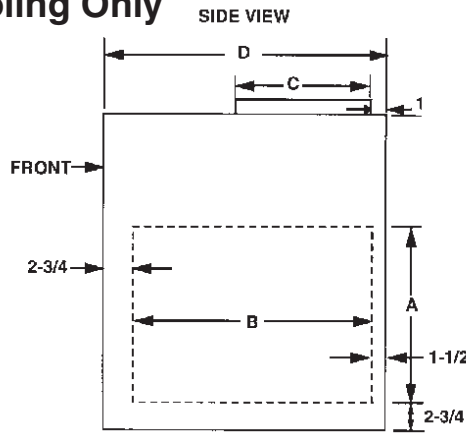
- **Less Than 30" Tall** - The **THP's** short height saves significant amount of floor space by allowing the fan coil to be easily installed over either an electric water heater or over a First Co. **WCX** (straight cool) or **TTWA-HP** (heat pump) through-the-wall condensing unit.
- **Ducted Return Air From Either Side** - The **THP** side panels are "notched" for field removal so that the return air can be ducted to either the left or right side of the cabinet. A filter is not installed in these units. A separate field installed filter grille must be provided.
- **Optional Coil Locations** - All coils are shipped separately for easy field installation in either the right or left side of the cabinet, depending on the desired return air location. Coils are approved for either cooling only or heat pump operation.

Other Standard Features:

- 240V motor, 24V controls
- Completely prewired with 0 to 10kW of electric heat
- Higher efficiency copper tube/aluminum fin coils with piston-type metering device or field installed R22 or R410a TXV's
- Compatible with most major brands of split heat pumps and condensing units. (contact factory for compatible matches)
- Drain pan is coated to reduce corrosion
- Drain connections exit the front of the cabinet
- Primary condensate drain
- Hanger bracket included to facilitate wall mounting in closet

THP Series

Heat Pump / Cooling Only
Electric Heat



NOTES:
1. COILING COIL CAN BE FIELD INSTALLED FOR EITHER RIGHT OR LEFT SIDE RETURN AIR
2. A FILTER IS NOT PROVIDED, THEREFORE A FILTER/GRILLE MUST BE FIELD INSTALLED.

DIMENSIONS								
UNIT MODEL	H	W	D	A	B	C	E	SHIP WT.
24THP	27-1/2	22-1/4	24-1/4	15	20	18	16	110 LBS.
36THP	29-1/4	26-1/4	26-1/4	17	22	20	18	120 LBS.

Drain Connection 3/4" MPT

COILING COIL DATA (FIELD INSTALLED)					
PRODUCT NUMBER	NOMINAL COILING (TONS)	METERING DEVICE	DIMENSIONS H x W x D	COILING CONNECTION (LIQ. & SUCT.)	SHIP WT.
996-24THP	1-1/2 OR 2 tons	PISTON	16 x 23-3/4 x 4	3/8 I.D. / 5/8 I.D. (SWEAT)	21 LBS.
996-36THP	2-1/2 OR 3 tons	PISTON	18 x 26 x 4		26 LBS.

NOTES:

- Coils are shipped with pistons installed for largest cooling tons. Extra pistons are furnished for matching coil with smaller condensing unit.

BLOWER DATA										
UNIT MODEL	FAN SPEED	AMP (230V)	MOTOR HP	CFM vs EXTERNAL STATIC PRESSURE						
				.10	.15	.20	.25	.30	.40	.50
24THP	HIGH	1.8	1/6	930	910	890	865	840	800	745
	LOW			660	650	635	620	600	570	540
36THP	HIGH	3.0	1/3	1580	1550	1520	1480	1450	1365	1260
	LOW			1190	1180	1170	1155	1140	1095	1020

NOTES:

- Blower data is with coil installed (dry).
- Return air filter not included in CFM data.

PERFORMANCE DATA											
UNIT MODEL	NOM. CFM	ELECTRIC HEAT CAPACITY				TOTAL AMPS		MIN. CIR. AMPACITY		MAX. FUSE OR HACR BREAKER	
		KW		MBTUH							
		240V	208V	240V	208V	240V	208V	240V	208V	240V	208V
24THP	800	0	---	---	---	1.8	---	---	---	---	---
		3	2.25	10.2	7.7	14.3	12.6	18	16	20	20
		4	3.0	13.6	10.2	18.5	16.2	24	21	25	25
		5	3.75	17.0	12.8	22.6	19.8	28	25	30	25
		6	4.5	20.5	15.4	26.8	23.4	34	30	35	30
		8	6.0	27.3	20.5	35.1	30.6	44	39	50	40
36THP	1200	0	---	---	---	3.0	---	---	---	---	---
		3	2.25	10.2	7.7	15.5	13.8	20	18	20	20
		4	3.0	13.6	10.2	19.7	17.4	25	22	25	25
		5	3.75	17.0	12.8	23.8	21.0	29	26	30	30
		6	4.5	20.5	15.4	28.0	24.6	35	31	35	35
		8	6.0	27.3	20.5	36.3	31.8	46	40	50	40
10	7.5	34.1	25.6	44.7	39.1	55	48	60	60		

EXPANSION VALVE KITS (Field installed) (cooling only or heat pump)	
PART NUMBER	FITS
R22	
9EVR22-2	24/36THP
R410a	
9EVR410-1	24/36THP

NOTES:

- Above expansion valve kits are approved for both cooling only (non heat pump) and heat pump applications.
- Valves are external equalizing, internal bleed.
- Valves have screw-on connections.

HANGER BRACKET (shipped with air handler)	
PART NO.	DIMENSIONS
919-2	26" W x 1-1/2" H

In keeping with its policy of continuous progress and product improvement, First Operations reserves the right to make changes without notice. Maintenance for all First Co. products is available under "Product Maintenance" at www.firstco.com.