

NEW PRODUCT !!!

# TTW-HP Series

Through-The-Wall  
Split System Heat Pumps  
1-1/2 through 2-1/2 tons



## Description :

The **TTW-HP** Series through-the-wall heat pumps save thousands of dollars in construction costs on multi-story buildings by eliminating certain costs associated with "pad mounted" outdoor units. Service is much easier to perform since the **TTW-HP** unit is located on the same floor as the fan coil. The **TTW-HP** is **the only through-the-wall heat pump with a completely matched companion fan coil for every application:** recessed wall, recessed ceiling, closet, and attic models! A wall sleeve and slide out chassis are standard on **all** models.

(TTW-HP not approved with air handlers by other manufacturers)

### The *Eliminator* !!



TTW-HP

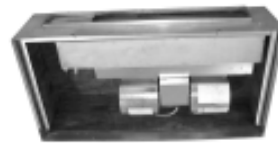
### Matching Companion Fan Coils (see p.4)



Recessed Wall Mount



Uncased Ceiling



Cased Ceiling



Closet



Attic

### TTW-HP.....the *Eliminator*!!

- No** - chaseways to roof or ground for refrigerant lines
- No** - additional roof support needed
- No** - long copper tube runs
- No** - long electrical service wiring
- No** - theft problems
- No** - landscape expense to hide units
- No** - problem servicing the units in bad weather (one person can service)
- No** - condensing unit pads required

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## Standard Features:

- 1) **Matching outdoor and indoor units** - In addition to attic and closet models, recessed wall and recessed ceiling fan coils are available to save valuable floor space. First Co. manufactures both the outdoor and indoor units, thus ensuring complete compatibility and performance.
- 2) **Integral wall sleeve** - The **TTW-HP** cabinet is also a convenient wall sleeve.
- 3) **Removable chassis** - The **TTW-HP** chassis includes *all* of the components and internal piping. Normal service can be performed without removing the chassis. However, this design allows the flexibility of removing the entire chassis if necessary. Refrigerant lines and power supply must be disconnected in order to remove chassis.
- 4) **One cabinet size** - Means only one wall opening size! This allows a uniform exterior appearance and eliminates the problem of matching units to different wall openings.
- 5) **Solid state defrost control** - Reliable time and temperature initiation with field adjustable timing.
- 6) **Highly efficient propeller fan**
- 7) **Brass service valves**
- 8) **Plastic coated coil guard**
- 9) **Coil drain pan with heater** - Diverts condensate to external drain
- 10) **Expansion valve** refrigerant control on outdoor unit
- 11) **Wall mounting brackets**

## Options: (see p.3)

- 1) **Custom painted architectural louvers** - Can match any exterior color
- 2) **Compressor sound blanket**



Chassis

Wall Sleeve

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ELECTRICAL DATA (208/240V - 1PH - 60Hz)						
Unit Model	Compressor		Condenser		Min. Circuit Ampacity	Max. Circuit Protection
	LRA	RLA	FLA	HP		
18TTW-HP	48	9.0	1.8	1/4	13	15
24TTW-HP	61	12.2	1.8	1/4	17	20
30TTW-HP	68	12.8	1.8	1/4	18	20



PERFORMANCE DATA					
Unit Model	Cooling Cap. BTUH @ 95 F.	Seer	Heating Capacity		HSPF
			BTUH @ 47F.	BTUH @ 17F.	
18TTW-HP	17900	10.00	16700	10100	6.8
24TTW-HP	23100	10.00	22200	12300	6.8
30TTW-HP	27800	10.00	25900	14400	6.8

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](http://www.firstco.com).

Tested in accordance with ARI Standard 240

PHYSICAL DIMENSIONS						
Unit Model	H	W	D	Connections (sweat)		Ship. Wt.
				Liquid	Suction	
18TTW-HP	40	28	23-1/4	3/8" O.D.	3/4" O.D.	210
24TTW-HP						
30TTW-HP						

OPT. COMPRESSOR SOUND BLANKET (Field installed)	
PART NUMBER	FITS
183	18TTW-HP 24TTW-HP 30TTW-HP

OPT. WALL THERMOSTAT (Field Installed)	
PART NUMBER	FOR
T611	ALL AIR HANDLERS <u>WITH</u> ELEC. HEAT
T600	ALL AIR HANDLERS <u>WITHOUT</u> ELEC. HEAT



T611



T600

OPT. ARCH. LOUVER (Field Installed)				
PART NUMBER	FITS	DIMENSIONS		
		H	W	D
G209A (1) (2)	18TTW-HP 24TTW-HP 30TTW-HP	40	28	1-1/4



G209A

**Notes:**

- Standard louver is clear anodized aluminum (# G209A).
- Louvers can be custom painted any color. (min. order qty. req'd.). Part # of painted louver is G209S. Contact factory for additional information and cost.
- Louvers attach to the face of the condensing unit in place of the factory wire guard.

## First Co. Matching Companion Fan Coils

(see individual fan coil brochure for complete electrical and performance data)

WALL RECESSED OR CLOSET (SEE NOTES 1, 2 AND 3)								
Unit Model	Nominal CFM	TTW Unit	Elec. Ht. @ 240V		Dimensions			Ship. Wt.
			Kw	BTUH	H	W	D	
24UC-0	800	18TTW	0	-	40	22-1/8	15-1/8	125
24UC-5			5	17,000				
24UC-6			6	20,500				
24UC-8			8	27,300				
24UC-10			10	34,100				
24UC-0	800	24TTW	0	-	40	22-1/8	15-1/8	125
24UC-5			5	17,000				
24UC-6			6	20,500				
24UC-8			8	27,300				
24UC-10			10	34,100				
30UC-0	1000	30TTW	0	-	40	22-1/8	15-1/8	125
30UC-5			5	17,000				
30UC-6			6	20,500				
30UC-8			8	27,300				
30UC-10			10	34,100				



**Notes:**

1. Wall recessed application requires accessory wall panel, **#9PWUC01L**.
2. For closet application, order "without wall panel".
3. For closet application, order "hanger bracket set" **#90PK3**.

UNCASED CEILING RECESSED (SEE NOTES 1 AND 2)								
Unit Model	Nominal CFM	TTW Unit	Elec. Ht. @ 240V		Dimensions			Ship. Wt.
			Kw	BTUH	H	W	D	
19HX-0	600	18TTW	0	-	10	37-1/4	21	60
19HX-5			5	17,000				
19HX-6			6	20,500				
19HX-8			8	27,300				
19HX-10			10	34,100				
25HX-0	800	24TTW	0	-	10	43-1/4	21	70
25HX-5			5	17,000				
25HX-6			6	20,500				
25HX-8			8	27,300				
25HX-10			10	34,100				
31HX-0	1000	30TTW	0	-	10	49-1/4	21	85
31HX-5			5	17,000				
31HX-6			6	20,500				
31HX-8			8	27,300				
31HX-10			10	34,100				



**Notes:**

1. Optional non-louvered ceiling access panels: **#965-1** for 19HX, **#966-1** for 25HX, and **#967-1** for 31HX. For louvered panels, remove "-1" from non-louvered panel number.
2. **Important:** for HX models with electric heat, heat pump kit **#942-1** is required.

CASED CEILING RECESSED (HXE's automatically include enclosures and ceiling panels)								
Unit Model	Nominal CFM	TTW Unit	Elec. Ht. @ 240V		Dimensions			Ship. Wt.
			Kw	BTUH	H	W	D	
19HXE-0	600	18TTW	0	-	11	49-1/2	23-3/4	115
19HXE-5			5	17,000				
19HXE-6			6	20,500				
19HXE-8			8	27,300				
19HXE-10			10	34,100				
25HXE-0	800	24TTW	0	-	11	55-1/2	23-3/4	135
25HXE-5			5	17,000				
25HXE-6			6	20,500				
25HXE-8			8	27,300				
25HXE-10			10	34,100				
31HXE-0	1000	30TTW	0	-	11	61-1/2	23-3/4	160
31HXE-5			5	17,000				
31HXE-6			6	20,500				
31HXE-8			8	27,300				
31HXE-10			10	34,100				



(Shown without ceiling panel)

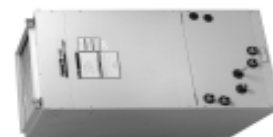
**Notes:**

1. Non-louvered ceiling panels: **#9PE001S** for 19HX-E, **#9PE002S** for 25HX-E, and **#9PE003S** for 31HX-E. For louvered panels, change "S" to an "L" at the end of the part number.
2. Important: for HX-E models with electric heat, heat pump kit **#942-1** is required.

CLOSET / ATTIC (vertical or horizontal) (SEE NOTES 1 AND 2)								
Unit Model	Nominal CFM	TTW Unit	Elec. Ht. @ 240V		Dimensions			Ship. Wt.
			Kw	BTUH	H	W	D	
18MBX0	600	18TTW	0	-	40	20	20	115
18MBX5			5	17,000				
18MBX6			6	20,500				
18MBX8			8	27,300				
18MBX10			10	34,100				
24MBX0	800	24TTW	0	-	40	20	20	115
24MBX5			5	17,000				
24MBX6			6	20,500				
24MBX8			8	27,300				
24MBX10			10	34,100				
30MBX0	1000	30TTW	0	-	40	20	23	140
30MBX5			5	17,000				
30MBX6			6	20,500				
30MBX8			8	27,300				
30MBX10			10	34,100				



Closet



Attic

**Notes for ALL matching air handlers:**

1. 3 kW models also available. Contact factory.
2. On "0" kW models, when the unit goes into defrost there is not backup electric heat.