



HF(+H) SERIES

Horizontal Recessed Ceiling Fan Coil 1-3 Tons Cooling 0 –10 kW Electric Heat

The HF series compact twin blower design is engineered to be user friendly and only 10.25" high. The drain pan, coil, metering device, blower motor assembly, heater, and electrical components are easily accessible and removable for service, saving time and expensive service labor cost.

The HF series is compatible with most split-system A/C condensing and heat pump units, Allstyle customers are 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 please call your local manufacturers representative or contact the factory at 1-800-643-7701.

HF fan coils come standard with 240V, 2-speed motor, 24V transformer, pre-wired with 0 to 10 kW electric heat.

Factory installed housing add "+H" after the desired KW in the model number. Example; HF18-30840G+5+H.

Service Features:

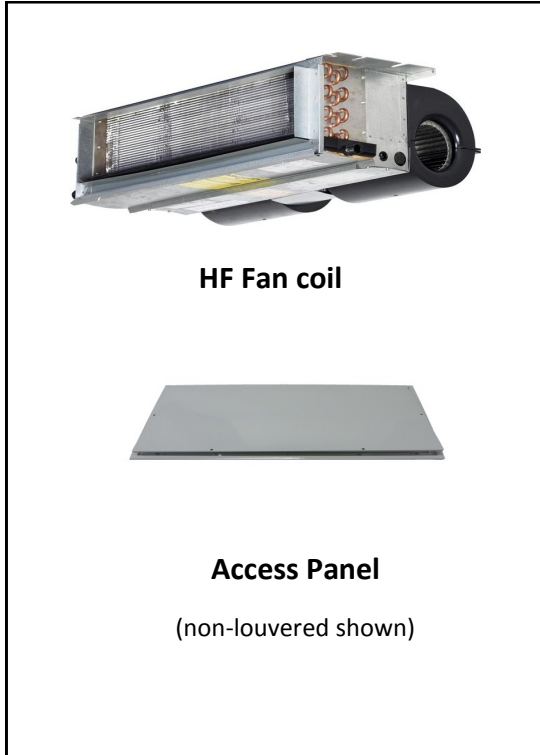
- Removable anti-microbial polycarbonate drain pan allows quick access to clean or remove coil.
- Two piece polycarbonate clam shell blower housing allows for easy access to blower wheels for motor replacement.
- Resilient motor mounts for quick replacement.

Standard Features:

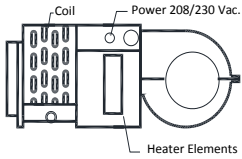
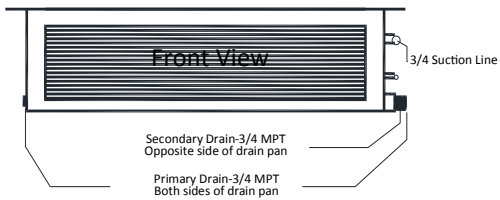
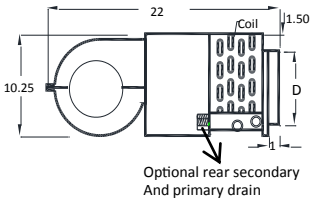
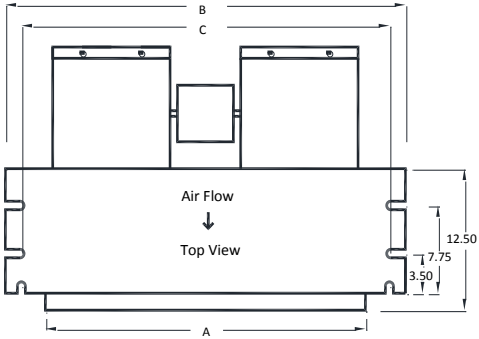
- Easy access to electrical components.
- Anti-Microbial insulated polycarbonate drain pan with 3/4" NPT primary and secondary.
- 240V, 2 speed motor, 24V transformer and controls. Line voltage terminal block.
- High efficient (G) aluminum tube/aluminum fin or (E) copper tube/aluminum fin coils.
- Aluminum end plates.
- Piston-type metering device, bolt on or factory installed TXV.

Optional Features:

- White, powder coated, solid or louvered, hinged access panels with mounting screws.
- Insulated housing, factory or field installed, allows for ducted return air plenum.
- A/C or heat pump TXV in R-22 or R410A, factory or field installed.
- Available in 115V.



HF(+H) SERIES
1-3 tons



MODEL	A Dimension	B Dimension	D Dimension
HFXX	30.00"	37.25"	7"
HFXX	36.00"	43.25"	7"
HFXX	42.00"	49.25"	7"

Vertical height on all models is 10.25 inches.
 Vertical duct connection height on all models is 8.75 inches.



BLOWER PERFORMANCE				
MODEL	Speed	External Static Pressure		
		0.10	0.20	0.30
HF 12/18	Low	560	500	420
	High	720	670	600
HF 24	Low	720	675	625
	High	930	870	800
HF 30	Low	1025	830	720
	High	1215	1080	990
HF 36	Low	1130	1045	955
	High	1320	1240	1150
HF 37	Low	1195	1110	1005
	High	1380	1305	1240

Air flow is measured wit 240 volts & 80/67 entering air.

Add .05 static when enclosure is used

ELECTRICAL SPECIFICATIONS @ 240 VOLTS						
MODEL	Blower HP	Kw Elect. Heat	Heat MBH	AMPS	MCA	MOP
HF 12/18	1/8	0	0	0.75	1	15
		3	10.2	13.25	17	20
		5	16.4	20.75	26	30
		6	20.5	25.75	33	40
		8	27.3	34.1	43	50
		10	32.8	40.8	51	60
HF 24	1/4	0	0	1.4	2	15
		3	10.2	13.9	18	20
		5	16.4	21.4	27	30
		6	20.5	26.4	33	40
		8	27.3	34.7	44	50
		10	32.8	41.4	52	60
HF 30/36	1/3	0	0	2.25	3	15
		3	10.2	14.8	19	20
		5	16.4	22.3	28	30
		6	20.5	27.3	35	40
		8	27.3	36.6	45	50
		10	32.8	42.25	53	60
HF 37	1/2	0	0	3.5	4.38	15
		3	10.2	16.1	20.1	20
		5	16.4	25.5	31.8	30
		6	20.5	30.5	38.2	40
		8	27.3	33.4	41.7	50
		10	32.8	43.5	54.3	60

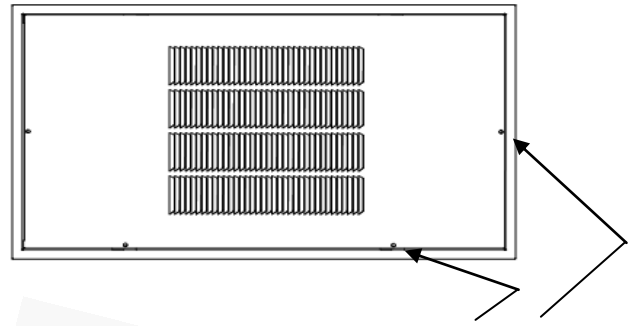
Derate BTUH heating capacity 25% for 208 volt installations

Specifications may change without notice.

Cooling Performance							
Model	CFM	Copper			Aluminum		
		Total Capacity/Sensible Capacity (MBTUH)			Total Capacity/Sensible Capacity (MBTUH)		
		40degF	45degF	50degF	40degF	45degF	50degF
HF 18-30824	600	20.3/13.2	16.3/11.5	12.7/10.0	19.4/12.9	16.5/11.7	12.6/9.9
HF 18-30832	600	24.3/15.6	20.3/13.8	14.1/11.3	24.1/15.6	19.9/13.7	15.5/11.8
HF 24-30832	800	28.6/18.7	24.0/16.7	17.9/14.2	28.3/18.6	23.3/16.5	17.9/14.2
HF 24-30840	800	31.6/20.4	26.5/18.1	18.5/14.8	31.4/20.4	25.9/17.9	19.6/15.2
HF 24-30850	800	35.2/22.6	28.5/19.4	20.9/16.2	35.1/22.8	28.4/19.5	21.4/16.3
HF 30-36832	1000	33.8/22.5	28.7/20.3	22.2/17.5	32.7/22.0	28.2/20.1	22.1/17.6
HF 30-36840	1000	38.6/25.1	32.0/22.1	24.4/18.9	37.8/24.7	31.6/21.9	24.7/19.1
HF 30-36850	1000	43.2/28.0	34.9/24.0	26.7/20.3	41.6/27.3	34.9/24.2	26.5/20.3
HF 36-42832	1150	38.4/25.7	32.2/22.9	25.9/20.5	35.7/24.5	31.0/22.6	24.7/20.0
HF 36-42840	1150	43.4/28.4	36.9/25.6	28.5/21.9	41.8/27.7	35.3/24.9	27.9/21.8
HF 36-42850	1150	48.1/31.6	40.0/27.7	30.4/23.2	45.3/30.4	38.9/27.6	30.3/23.5

Ceiling Access Panels

CEILING ACCESS PANELS						
FOR MODEL	PANEL NO.	DESCRIPTION	CEILING PANEL OPENING		PANEL FRAME DIMS. (OUTSIDE)	
30" Coil	PL-3975	LOUVERED	24-1/2"	40"	28"	43-3/4"
	PS-3975	NON-LOUVERED	24-1/2"	40"	28"	43-3/4"
36" Coil	PL-4575	LOUVERED	24-1/2"	46"	28"	49-3/4"
	PS-4575	NON-LOUVERED	24-1/2"	46"	28"	49-3/4"
42" Coil	PS-5175	LOUVERED	24-1/2"	52"	28"	55-3/4"
	PS-5175	NON-LOUVERED	24-1/2"	52"	28"	55-3/4"



White thumb screws
For Easy Access



#PS-3975, PS-4575



#PL-3975, PL4575
(Louvers may differ from picture)

Louvered panels accept 20 X 20 X 1" filter
(field supplied)

Housing with Ceiling Panels

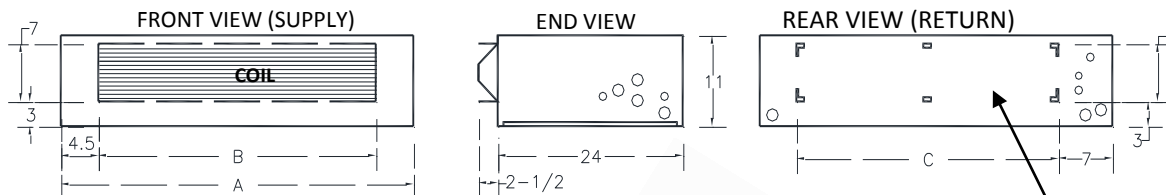
(Housings and panels are standard with ALL "-H" models or can be ordered separately as an accessory kit)

CEILING PANEL/ENCLOSURE INFORMATION											
FOR MODEL	HOUSING NO.	HOUSING DIMENSIONS			FOR MODEL	PANEL NO.	DESCRIPTION	CEILING PANEL OPENING	PANEL FRAME DIMS. (OUTSIDE)		
		H	W	D							
30" Coil	3975	11"	39-3/4"	24"	30" Coil	PL-3975	LOUVERED	24-1/2"	40"	28"	43-3/4"
						PS-3975	NON-LOUVERED	24-1/2"	40"	28"	43-3/4"
36" Coil	4575	11"	45-3/4"	24"	36" Coil	PL-4575	LOUVERED	24-1/2"	46"	28"	49-3/4"
						PS-4575	NON-LOUVERED	24-1/2"	46"	28"	49-3/4"
42" Coil	5175	11"	51-3/4"	24"	42" Coil	PL-5175	LOUVERED	24-1/2"	52"	28"	55-3/4"
						PS-5175	NON-LOUVERED	24-1/2"	52"	28"	55-3/4"

(See panel pictures above)

NOTES:

- These housings are shipped with units installed unless specified otherwise.
- Customer needs to specify on order which panel is wanted.



ENCLOSURE DIMENSIONS				
FOR MODEL	ENCLOSURE NO.	A	Supply B	Return C
30" Coil	3975	39-3/4"	30-5/8"	30-5/8"
36" Coil	4575	45-3/4"	36-5/8"	36-5/8"
42" Coil	5175	51-3/4"	42-5/8"	42-5/8"



KNOCKOUT FOR DUCTED RETURN
(Requires filter grille-field supplied)
(Ducted return requires non-louvered panel)



Expansion valve kit (Heat pump and Cooling only)		
PART NO.	TYPE	FOR
RP31114	R-410A	1-2 Tons
RP31115	R-410A	2.5-3 Tons
RP31117	R-410A	1-2 Tons
RP31118	R-410A	2.5-3 Tons

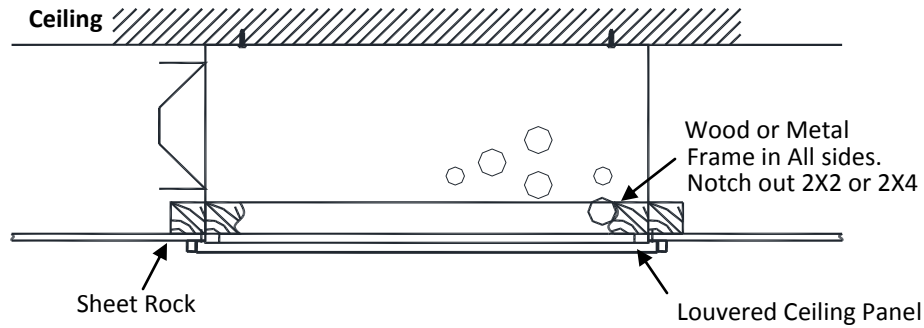
Heat Strip Kit		
PART NO.	KW MODELS	
RP16215	3 KW	Requires (2) 1.5 Kw Elements
RP16220	4 KW	Requires (2) 2.0 Kw Elements
RP16224	5 KW	Requires (2) 2.4 Kw Elements
RP16230	6 KW	Requires (2) 3.0 Kw Elements
RP16240	8 KW	Requires (2) 4.0 Kw Elements
RP16248	10 KW	Requires (2) 4.8 Kw Elements

Notes:

- Expansion valve kits are approved for both heat pump or cooling only (non heat pump) applications.
 - Valves are factory installed or field installed.
 - Contractor friendly screw-on connections.
 - Valves are external equalizing, internal bleed.
- * +V For cooling only valves Ex. HF18-30840G+V+5+H
 * +VP For heat pump model valves Ex. HF18-30840G+VP+5+H



ENCLOSURE INSTALLATION SUPPORT FRAMING



ENCLOSURE CONNECTION LOCATIONS

