

Friedrich®

18,000 – 48,000 BTU/h

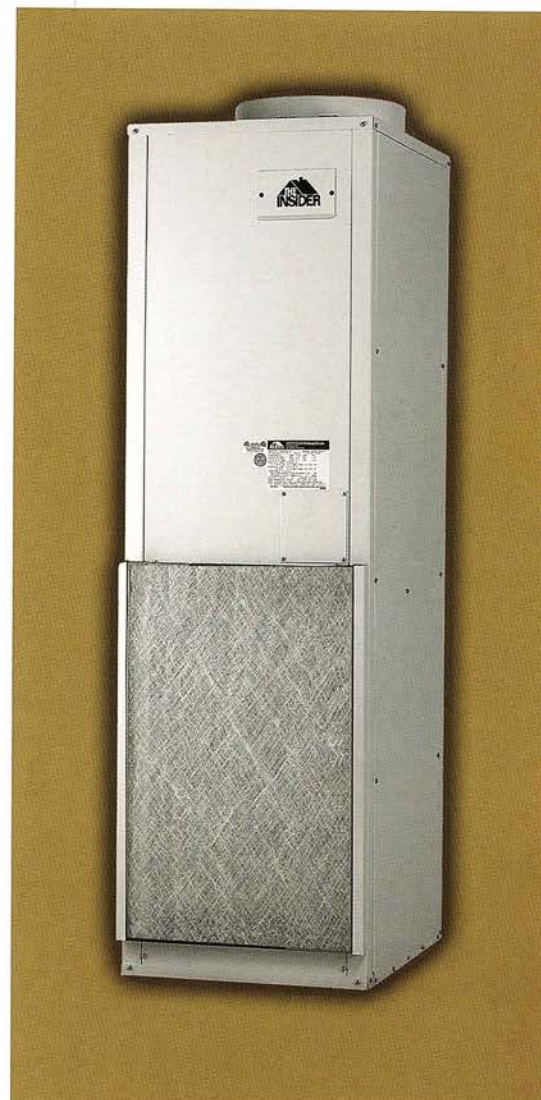
DownFlow Packaged Heating & Cooling System

The Insider® is an all-in-one, downflow heating and cooling system. Since all the components are in one indoor unit, The Insider® offers many advantages for manufactured and modular construction.

And there's no unsightly and noisy condensing units, eliminating the need for landscaping and vandalism barriers.

The Insider® Advantages

- Saves up to 50% in operating costs over electric resistance heat
- All-in-one indoor system is ideal for high density, single-family communities- zero lot line
- No delays installing add-on air conditioning
- All units are pre-charged, wired and piped
- No refrigerant piping to install
- Installs in same mechanical closet as electric furnace
- Can be factory installed in manufactured housing and modular housing plants ensuring proper sizing and installation



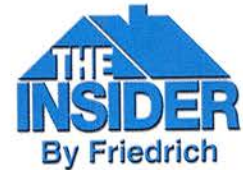
“Quieter than the refrigerator in their homes!”

—Consumers Power, 4/99

THE INSIDER®
By Friedrich

The Insider® Features

- Safe for heating and cooling in a single indoor unit
- Energy-efficient operation
- Cost-effective design
- Copeland Compliant Scroll® compressor
- 100% factory tested; 64 quality checks
- All units are pre-charged, wired and piped
- All units ARI certified
- Service valves are easily accessed
- Zero clearance
- Endorsed by leading utility companies
- Factory installed filter included



Other models available up to 12.0 SEER

MODEL	CDHP18	CDHP25	CDHP29	CDHP35	CDHB42	CDHB48
PERFORMANCE DATA:						
Cooling Capacity (Btu/h)	18,000	25,000	30,000	34,000	43,000	48,000
Heating Capacity(Btu/h)	18,000	25,000	27,400	32,400	40,000	47,000
SEER	10.0	10.0	10.0	9.7	9.8	9.7
Outdoor Blower (CFM)	1,200	1,200	1,590	1,590	1,800	1,800
Outdoor Blower (HP)	1/3	1/3	1/2	1/2	3/4	3/4
Outdoor Blower (E.S.P.)	.15	.15	.15	.15	.20	.20
Indoor Blower (CFM)	650	850	900	1,050	1,400	1,400
Indoor Blower (HP)	1/6	1/4	1/4	1/3	1/2	1/2
Indoor Blower (E.S.P.)	.20	.20	.20	.20	.25	.40
Heater Size (KW)	5 or 10	5 or 10	10 or 15	10 or 15	10 or 15	15 or 20
High temp COP	3.3	3.2	2.8	2.8	2.8	2.8
Low temp COP	2.1	2.0	1.80	1.90	1.80	1.80
ELECTRICAL DATA:						
Voltage / Hertz/ Phase	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Minimum Ampacity -Heat pump only	13.8	17.3	23.4	27.9	33	40.5
Minimum Ampacity -10KW Aux. Heat	52.0	52.0	52.0	52.0	52.0	52.0
Minimum Ampacity -15KW Aux. Heat	NA	NA	26.0/52.0	26.0/52.0	26.0/52.0	26.0/52.0
Power Connection	Hard wired	Hard wired	Hard wired	Hard wired	Hard wired	Hard wired
PHYSICAL DATA:						
Unit Width (in.)	20	20	20	20	30	30
Unit Depth (in.)	25	25	25	25	28	28
Unit Height (in.)	69 1/2	69 1/2	69 1/2	69 1/2	71	71
Shipping Weight (lbs.)	320	320	330	340	380	400

Rated in accordance with ARI standard 240 and Department of Energy test standards. Ratings are net values based on 230 volt operation. Auxiliary electric resistance heat is not included. Ratings are based on:

Cooling Standard: 80° F db, 67° F wb indoor entering air temperature 95° F db air entering the outdoor coil.
 Hi-Temp Heating Standard: 70° F db indoor entering air temperature 47° F db, 43° F wb air entering the outdoor coil.
 Lo-Temp Heating Standard: 70° F db indoor entering air temperature 17° F db, 15° F wb air entering the outdoor coil.

For 208-230/60/1 units the maximum operating voltage is 253, the minimum operating voltage is 197.

Models CDHP18 and CDHP25 are available with 5KW or 10KW auxiliary electric resistance heat. Models CDHP29, CDHP35 and CDHP42 are available with either 10KW or 15 KW auxiliary electric resistance heat. Model CDHB 48 is available with either 15KW or 20 KW auxiliary electric resistance heat. 5KW and 10 KW heat systems utilize one (1) circuit breaker, 15KW and 20KW heat systems utilize two (2) circuit breakers.

Due to continuing research in new energy saving technology, specifications are subject to change without notice.



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