

Applied Comfort Packaged Terminal Air Conditioner with Hydronic Subbase Heat 16" x 42" Model NFW Flat Top Unit with R-410 Refrigerant for Hydronic Subbase.

General Specifications

Heating/Cooling Chassis. – Complete air cooled refrigeration system with R-410A refrigerant, two low noise high-static pressure dual-inlet evaporator blowers, and one dual-inlet condensate blower with efficient condensate removal system, and optional manual fresh air damper or optional automatic damper. Electric resistance heat using tube-in-coil heaters. Power cord exists from under right side.

Digital Touchpad Control – The NFW Digital Control is used to control the integral air conditioner and heat source via a touchpad, or optional remote 24-volt wall mounted thermostats.

Wall Sleeve – Industry standard 16" x 42", made of galvanized, phosphatized, heavy-gauge steel. Coated with electrostatically applied, baked on, industry standard beige urethane powder paint for maximum corrosion protection.

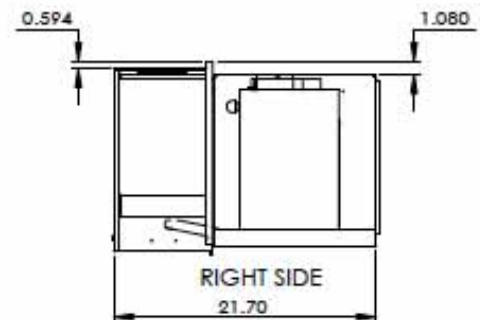
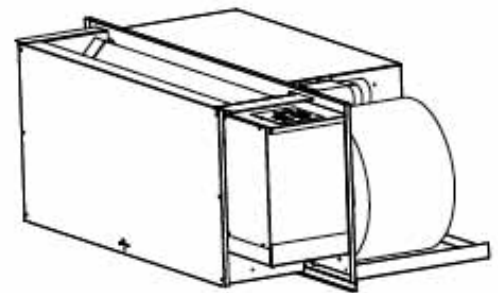
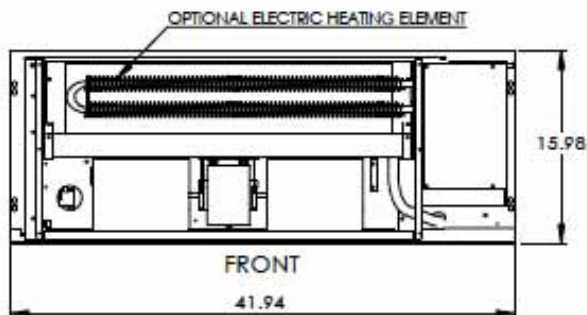
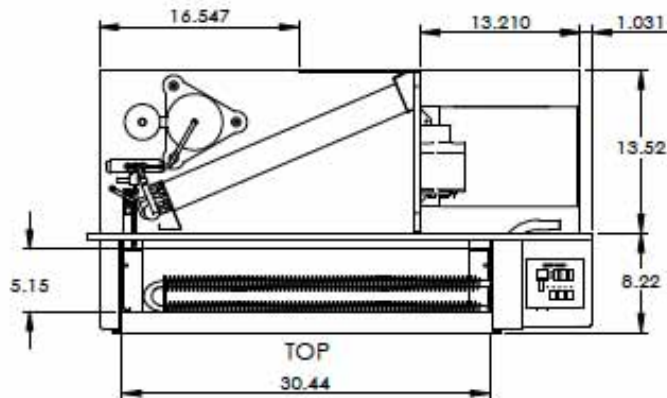
Room Cabinet – Top discharge with one piece grille. Enclosure completely encloses controls. Front panel is removable without use of tools. Color is industry-standard beige.

Hydronic Heat Control – Chassis comes with standard 7 wire connection for thermostats, and 24V wiring to control hydronic hot water or steam valves.

Louvers – Architectural type with silver powder-coating baked on.

8" Hydronic Subbase With Outlet (optional) – 8"high, contains hot water or steam coil. Available electrical power outlet, available 24V steam or hot water valves. Mounts to bottom of sleeve. Color is industry-standard beige.

Dimensional Data – Chassis (hydronic subbase and chassis cabinet NOT shown)



**Applied Comfort Packaged Terminal Air Conditioner with Hydronic Subbase Heat
16" x 42" Model NFW Flat Top Unit with R-410 Refrigerant for Hydronic Subbase.**

Performance Data

NOTE: The Cooling Cycle Performance has been 3rd Party Lab Verified (using NFEC chassis)

NOTE: 3rd Party Lab Verification of the Hydronic Heat Performance is On-going so the Hydronic Heat data below is PRELIMINARY- THE HYDRONIC HEAT PERFORMANCE DATA PRESENTED BELOW IS BASED ON IN-HOUSE TESTING.

NFWC Air Conditioner with Hydronic Heat

PERMANENTLY CONNECTED. SUB-BASE Connected. Non-LCDI cord plugs into hard-wired protected receptacle.

Model	Voltage	Hz	Min. Circuit Amps	MOP* Fuse Amps	Electrical Plug (NEMA)	Cooling					Resistance Heat			Indoor CFM HIGH*	Indoor CFM LOW*	Vent** CFM	Net Wt. lbs.	Ship Wt. lbs.
						BTU/Hr.	EER	Amps	S/T	Pts./hr.	BTU/Hr.	kW	Amps					
NFWC09L00E2	115	60	13	15	#5-20P	9400	11.1	8.4	0.73	2.2	N/A	N/A	N/A	325	275	90	118	126
NFWC12L00E2	-	-	16.2	20	#5-20P	12400	10.3	12	0.7	3.4	N/A	N/A	N/A	-	-	-	-	-
NFWC09K00E2	230 - 208	-	6.2	15	#6-20P	9400	11.1	4.2/4.4	0.73	2.2	N/A	N/A	N/A	345/315	300/260	-	-	-
NFWC12K00E2	-	-	8.1	-	-	12400	10.2	6.0/6.2	0.7	3.4	N/A	N/A	N/A	-	-	-	-	-
NFWC15K00E2	-	-	9.8	-	-	14700	9.4	7.5/7.7	0.66	4.5	N/A	N/A	N/A	-	-	-	-	-
NFWC09R00E2	277	-	5.7	15	#7-20P	9400	11.1	4	0.77	1.9	N/A	N/A	N/A	360	335	-	-	-
NFWC12R00E2	-	-	6.8	-	-	11600	10.3	5.3	0.75	3.4	N/A	N/A	N/A	-	-	-	-	-
NFWC15R00E2	-	-	8.4	-	-	14200	9.4	6.6	0.66	4.5	N/A	N/A	N/A	-	-	-	-	-

*Time Delay Fuse or HCAR Circuit Breaker --- *Dry Coil

Model	Voltage	Hz	Hot Water Heat HIGH SPEED	Hot Water Heat LOW SPEED	Water Flow Rate	Coil Pressure Drop (HIGH SPEED)	Steam Heat HIGH SPEED	Steam Heat LOW SPEED	Heating Current
			BTU/Hr.	BTU/Hr.	USGPM	Ft of Water	BTU/Hr.	BTU/Hr.	Amps
NFWC09L00E2	115	60	17200	16100	1.8	1.8	21100	19600	<1
NFWC12L00E2	-	-	18500	17400	1.9	1.9	22600	21100	-
NFWC09K00E2	230 - 208	-	17600/17000	16800/15600	1.8 - 1.7	1.8 - 1.6	21500/20800	20500/19000	-
NFWC12K00E2	-	-	18800/18300	17700/17200	1.9 - 1.9	2.0 - 1.8	22900/22300	21600/20800	-
NFWC15K00E2	-	-	18800/18300	17700/17200	1.9 - 1.9	2.0 - 1.8	22900/22300	21600/20800	-
NFWC09R00E2	277	-	18500	17400	1.9	1.8	22600	21100	-
NFWC12R00E2	-	-	-	-	-	-	-	-	-
NFWC15R00E2	-	-	-	-	-	-	-	-	-

Maximum Steam Pressure: 2 psig --- Steam ratings based on conditions of 70°F entering air, and 2 psig steam pressure with heat output automatically adjusting for blower speed.

Maximum Water Temperature: 210°F --- HIGH SPEED Water ratings based on ASHRAE/AHRI conditions of 70°F entering air, 200°F entering water and 180°F leaving water temperatures. LOW SPEED Water ratings based on water flow rate set for HIGH SPEED rating condition operating point.

Note: For 208V installations, a 25Amp Line Fuse is acceptable.

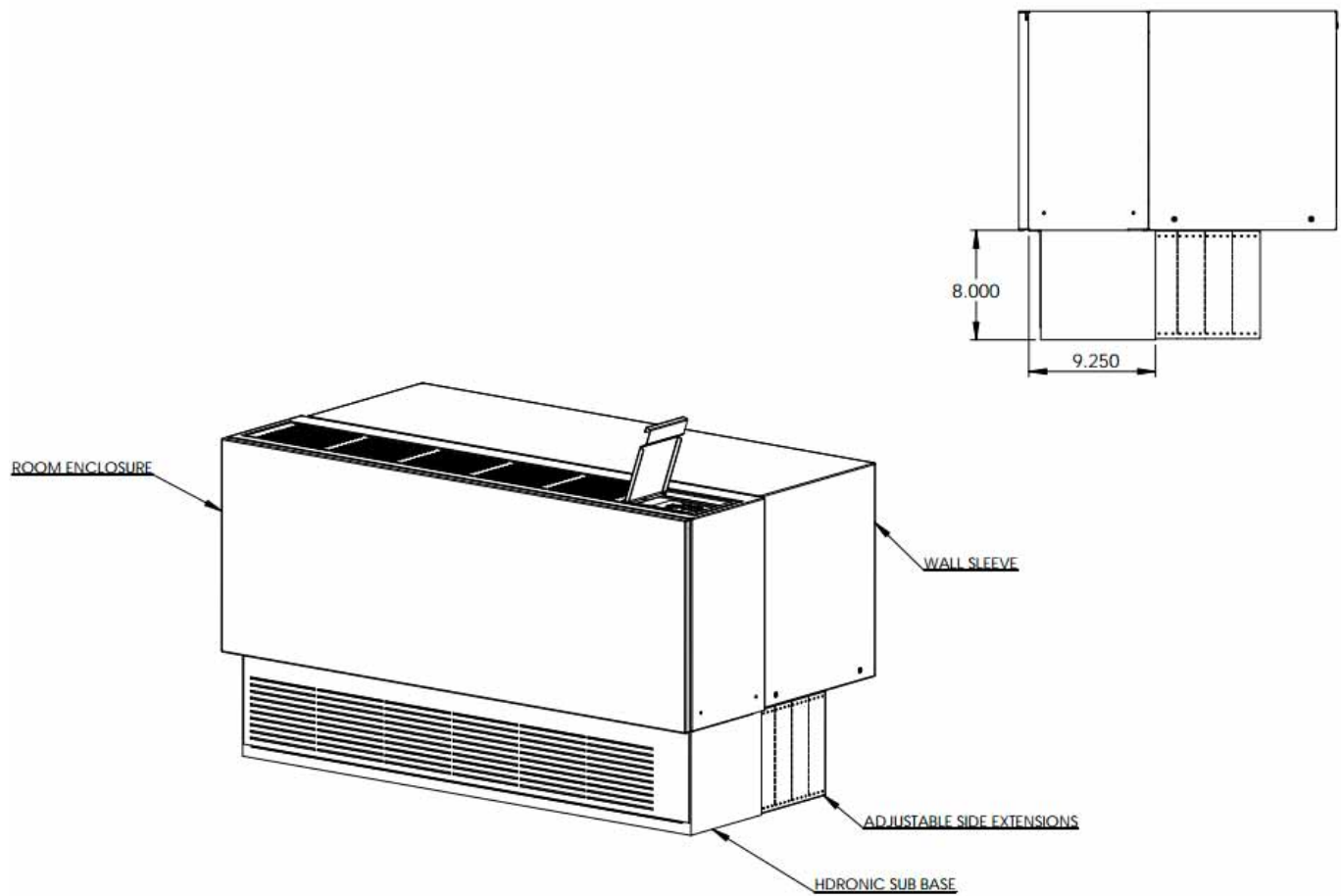
Physical Data

Heating/Cooling Chassis and Front Panel

Size Nominal 9000Btuh.....140lbs

Certified Drawing --- Type: NFW --- Date: Aug 2104 --- Applied Comfort Products Inc.
**Applied Comfort Packaged Terminal Air Conditioner with Hydronic Subbase Heat
16" x 42" Model NFW Flat Top Unit with R-410 Refrigerant for Hydronic Subbase.**

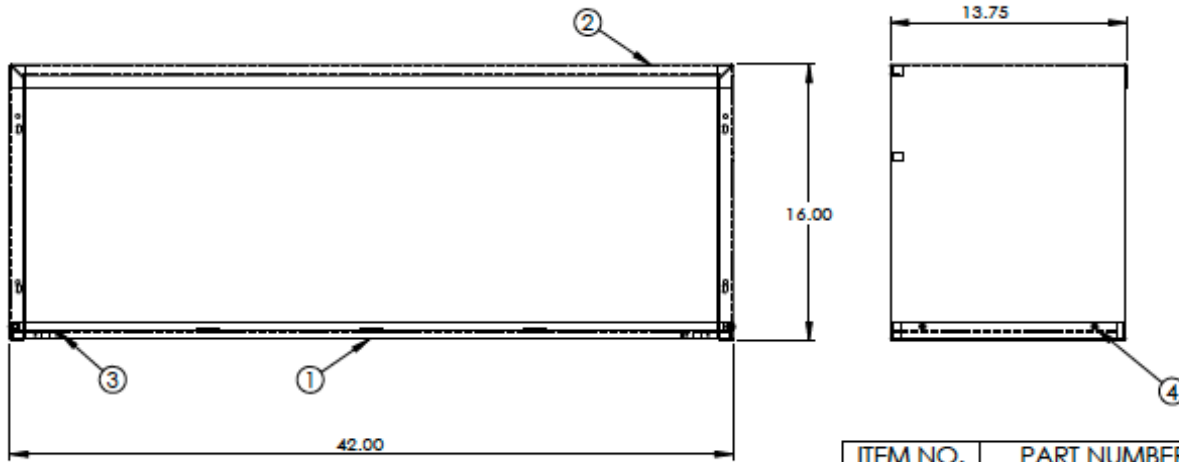
Unit Dimensions - Wall Sleeve, Integrated 43" wide Chassis Cabinet, Optional Hydronic Subbase
NOTE: Sleeve must be installed a minimum of 8" off the floor to allow space for optional hydronic subbase assembly.



Certified Drawing --- Type: NFW --- Date: Aug 2104 --- Applied Comfort Products Inc.
Applied Comfort Packaged Terminal Air Conditioner with Hydronic Subbase Heat
16" x 42" Model NFW Flat Top Unit with R-410 Refrigerant for Hydronic Subbase.

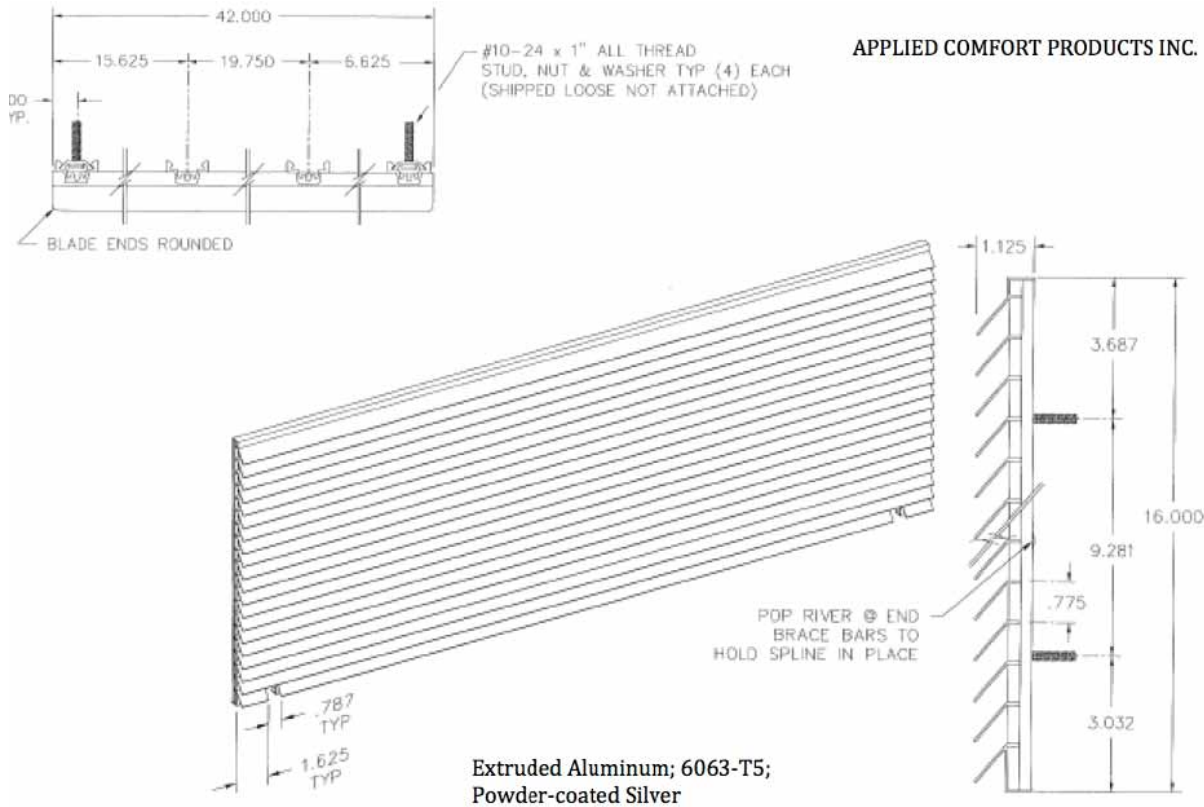
Unit Dimensions - Sleeve

NOTE: Sleeve must be installed a minimum of 8" off the floor.



ITEM NO.	PART NUMBER	QTY.
1	802820	1
2	802822	1
3	802821	2
4	85589 SM SCREW	4

Unit Dimensions - Architectural Grille



Certified Drawing --- Type: NFW --- Date: Aug 2104 --- Applied Comfort Products Inc.
 Applied Comfort Packaged Terminal Air Conditioner with Hydronic Subbase Heat
 16" x 42" Model NFW Flat Top Unit with R-410 Refrigerant for Hydronic Subbase.

Wiring Diagram - Example shown is 265V 15000 BTUH

