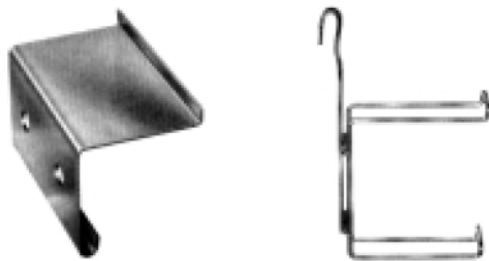


INDUCTION UNIT

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Z BAR MOUNTING BRACKETS AND PIPE HANGERS

Rosemex designed mounting brackets and pipe hangers simplify the installation process by providing space for piping behind the coil on vertical units. There is a built-in pipe chase on low vertical units. Designed to work together, the pipe hanger fits into a slotted section of the mounting bracket and hangs downward. Pipe hangers are made of heavy steel wire and are constructed to support supply and return piping (piping can range up to 3/4" in diameter with 1" insulation). Z bar mounting brackets secure to the wall assuring solid unit installation.

DESIGN FEATURES MAINTAIN EFFICIENT COMFORT CONTROL..

REDUCE INSTALLATION TIME AND COSTS

The Rosemex Induction Unit utilizes the induction principle to effectively blend clean external air, conditioned in a central station air handler, with filtered room air for steady seasonal comfort control. This Rosemex system is ideal for application in large office buildings and hospitals where the need for a perimeter system is necessary to save space while maintaining comfortable internal air conditions.

Available in over 1800 sizes, coil and nozzle combinations and arrangements, Rosemex Induction Unit provides the engineer with the most practical selection, in terms of initial cost and energy conservation, for each individual situation. All models include design features that reduce installation costs and provide low operating sound levels.

Total system installation costs are minimized through unique design features developed by Rosemex. Both vertical and low vertical units include an integral pipe chase which saves space for pipe installation. The chase requires no structural changes and saves the material and labor costs of constructing a separate pipe chase in the field. An additional Z bar bracket is required to provide space for the integral pipe chase on the vertical unit.

Standard circular primary air connections and discharge duct collars speed up installation because of their compatibility with primary air supply ducts and cabinet discharge grilles.

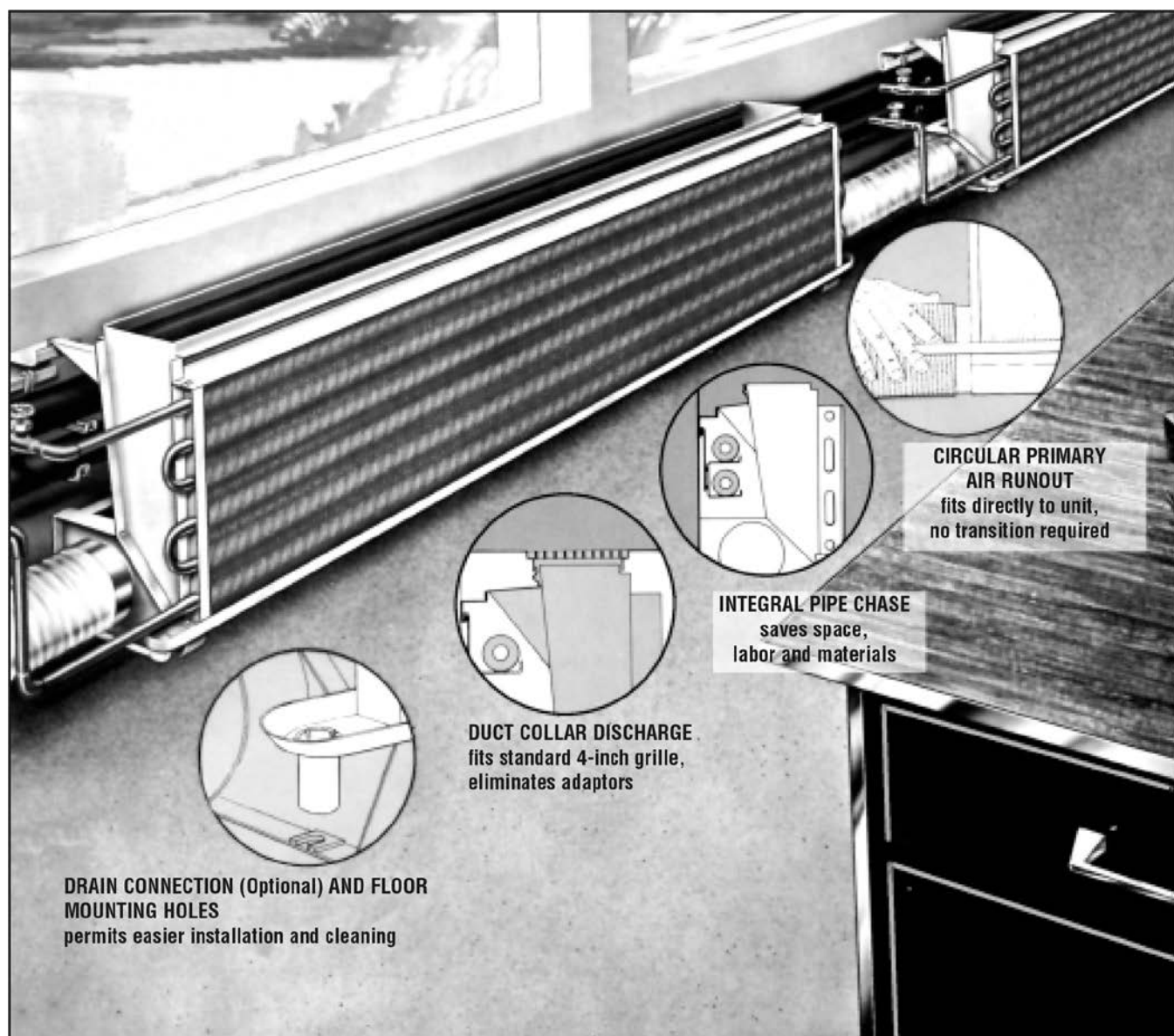
Additional Rosemex Induction Unit features include a readily accessible, but tamper-proof, push-pull damper which simplifies system balancing; an optional drain connection; and field reversible coil for installation ease.

All vertical and low vertical units can be either floor or wall mounted. Mounting brackets, designed by Rosemex, add flexibility to installation requirements. Coil connections are designed for maximum clearance between the supply and return allowing enough space to make sweat or flare connections quickly and easily.

These features, combined with the rugged unit construction of the vertical, horizontal and low vertical models, enable the contractor to furnish a quality installation while reducing time and costs.

INDUCTION UNIT

UNIT FEATURES AND OPTIONS



THREE BASIC MODELS

- Vertical: 16-84" in 4" increments
- Low Vertical: 20-84" in 4" increments
- Horizontal: 16-60" in 4" increments

COIL OPTIONS

Standard (A) and high capacity (H) coils; standard and high capacity double coils (AA and HH);

CODE COMPLIANCE

Built to ARI standards

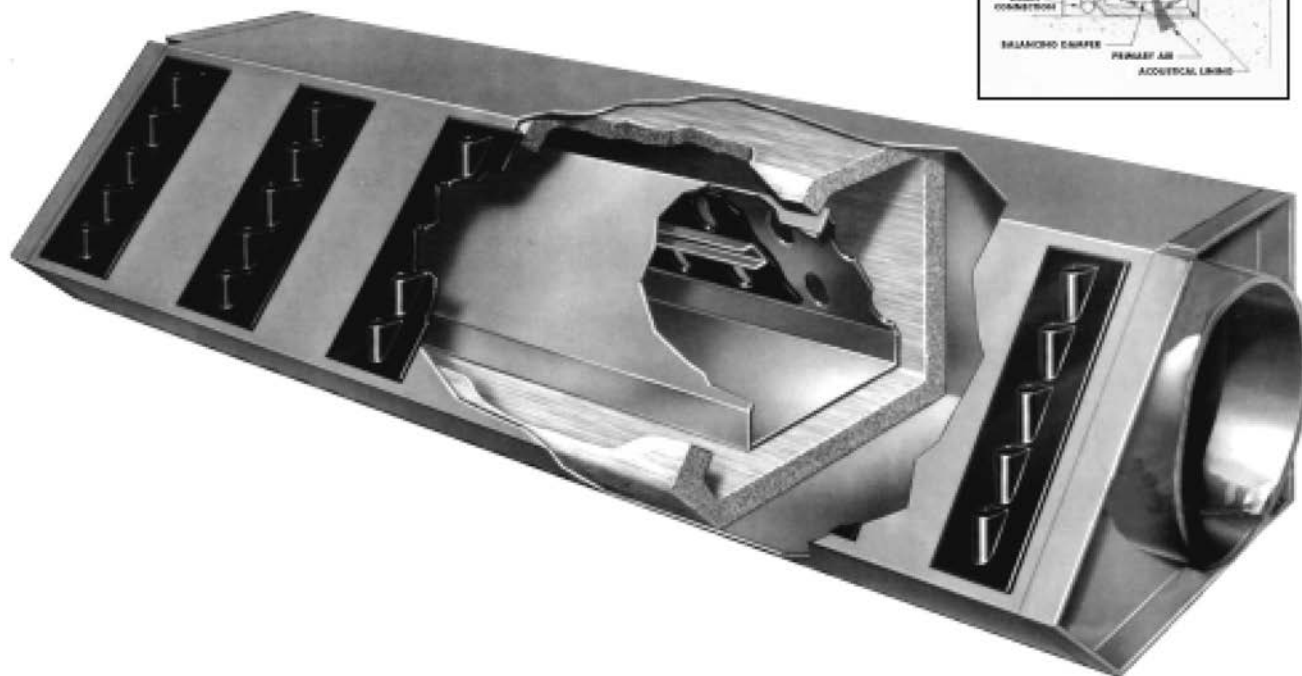
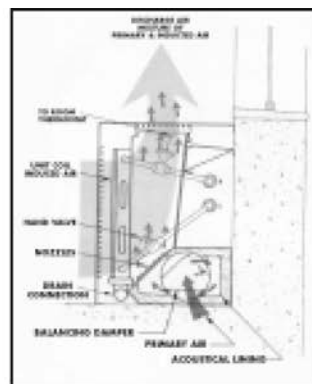
GRAVITY HEATING CAPACITIES

(HPV and HPL) Up to 99 BTUH/°ITD

ACCESSORIES

- Lint screen: single ply
- Permanent Filter: multiple ply
- Wall Mounting Strips
- Flare Coil Connections with or without air vent
- Integral Pipe Chase (standard on low vertical units)
- Pipe Hangers

The unique insulated air path of Induction Unit is diagramed below. High velocity air passes through the primary air damper, turns against acoustical material, flows into a narrow passage that has a high ratio of absorption to cross section, and then through the nozzles. The shape and insulation of this air path removes a major portion of the air turbulence sounds.



Contemporary architecture has resulted in structures that require more efficient heating and cooling to maintain seasonal comfort conditions. Paralleling this need for high standard operation, the requirement of quieter operating sound levels has become prominent in relation to comfort and productivity. The end result shows a major consideration toward operating sound levels when selecting induction equipment.

To comply with this new demand, Rosemex Induction Unit has been designed to meet the most stringent acoustical requirements.

UNIQUE INSULATED AIR PATH

A major element of Rosemex Induction Unit's low operating sound level is a unique, acoustically lined, 1/2" by 6" air passage downstream from the balancing damper. A 90 degree turn against insulating material and the narrow shape of the air passage effectively dampen air noise.

BALANCING DAMPER

The self sealing balancing damper guards against high pressure air leaks, yet is easily adjustable for system balance. Cast zinc unit ends eliminate the possibility of leaking air seams and air bypass, reinforcing the concept of low operating sound levels.

ACOUSTICAL SELECTION TABLES

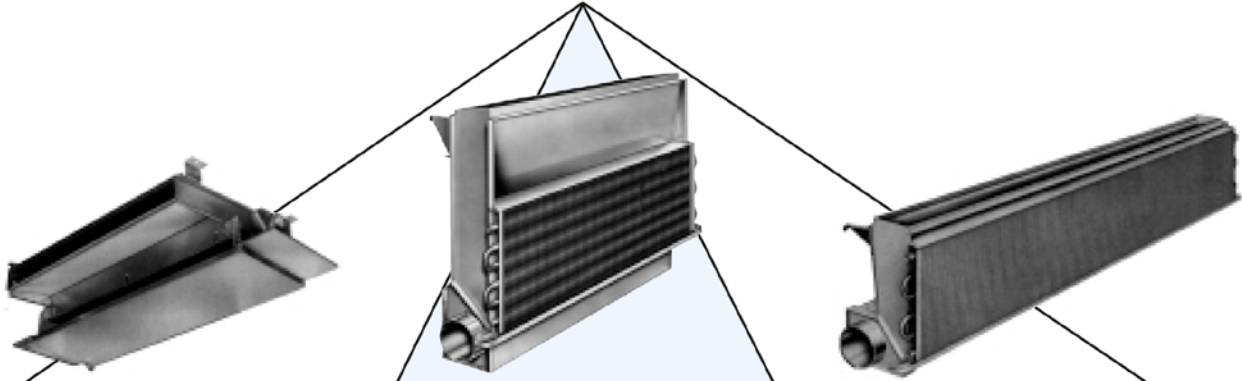
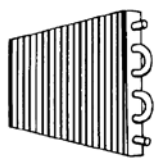
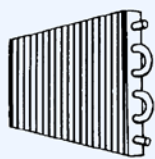
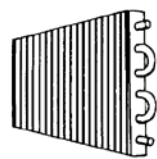
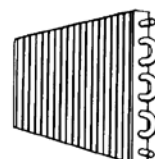
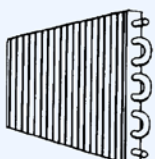
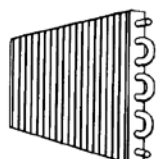
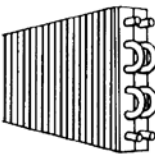
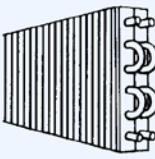
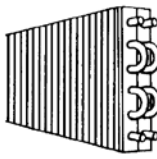
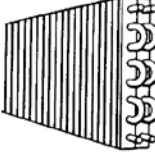
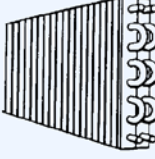
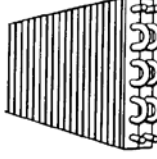
Rosemex Induction Unit's reputation of quiet operation is backed by tables found later in this catalog. The simplicity of the table information and layout aids the designer in selecting a unit whose capacity will meet project sound requirements.

UNIT OPERATION

A constant volume of high velocity, preconditioned primary air provides the motive power in an induction system. It enters the internal section of the unit plenum and passes through the balancing damper. The damper is adjusted at start-up to provide the required nozzle static pressure. After the damper, the air passes through a sound attenuating compartment to the nozzle strips. When this high velocity air passes through the nozzles, it creates an area of reduced pressure behind the secondary water coil. This reduced pressure induces room air through the unit coil. The coil controls the heating and/or cooling of the room air. A secondary water control valve, regulated by the space thermostat, varies unit capacity to offset room loads. The tempered room air mixes with the primary air in the discharge stack and is then emitted into the room. The primary air provides required ventilation and, by varying moisture content, maintains humidity conditions during any season.

INDUCTION UNIT

COIL OPTIONS PROVIDE APPLICATION FLEXIBILITY

		
Horizontal (HPH) Unit	Vertical (HPV) Unit	Low Vertical (HPL) Unit
SINGLE A (A) 	SINGLE A (A) 	SINGLE A (A) 
SINGLE H (H) 	SINGLE H (H) 	SINGLE H (H) 
DOUBLE A (AA) 	DOUBLE A (AA) 	DOUBLE A (AA) 
DOUBLE (H) (HH) 	DOUBLE (H) (HH) 	DOUBLE (H) (HH) 

NOMENCLATURE															
HP	V	28	C	R	AA	A	F	F	I	O	O	I			
1,2	3	4,5	6	7	8,9	10	11	12	13	14	15	16			
HIGH PRESSURE ——— MODEL: ——— L - Low Vertical V - Vertical H - Horizontal UNIT COIL LENGTH: ——— HPV - 16" - 84" HPL - 16" - 84" HPH - 16" - 60" NOZZLE SERIES: ——— A - 1.5", B - 2.0, X - 2.5, C - 3.0, Y - 3.5, D - 4.0, Z - 4.5, E - 5.0, S - Special MAIN COIL SUPPLY: ——— R - Right hand L - Left hand S - Split coil (2 pipe) COIL OPTIONS: AO - Standard Water Coil (2 pipe) HO - Hi Capacity Water Coil (2 pipe) AA - Double A Coils (4-Pipe) HH - Double H Coils (4-Pipe) LINT SCREEN: O - None 1 - 1 per unit (For std unit 16-84") 2 - 2 per unit (For std unit 32-84" & split coil unit 36-84") MAIN DRAIN CONNECTION O - None, L - Lefthand, R - Righthand AIR VENT O - None, M - Manual DAMPER CONTROL 1 - Screw, 2 - Push pull (std) AUXILIARY COIL CONNECTION F - Flare, S - Sweat (std), O - None MAIN COIL CONNECTION F - Flare, S - Sweat (std) AUXILIARY COIL SUPPLY A - Heating coil connection same end as cooling coil. B - Opposite end O - None * Note: Open nozzle per strip.															

GENERAL COMMENTS ON SYSTEM DESIGN

It is generally accepted that minimum total system cost is achieved when minimum amounts of primary air and secondary water are used. However, the unit must be selected at or above 0.50 inches nozzle static pressure to insure maximum nozzle efficiency and relative ease of system air balance. Water side coil pressure drop should be kept under 17 feet to readily balance the system. Although minimizing these parameters requires longer induction units to match module loads, offsetting economies are realized in piping, installation, pumps, high velocity ductwork, and air handling equipment. Normally these energy saving operating economies more than compensate the owner for the higher first cost of longer units. Because of this potential savings, unit selection should begin by determining the longest unit that can be installed in a given module. Consideration must be given to minimum nozzle static and water pressure drops, and the space required for piping, valves, and the primary air connection. Then the temperature and minimum amount of primary air and secondary water needed to satisfy design load conditions, ventilation requirements, changeover temperature, sound level, and desired humidity can be finalized. In a changeover system consideration should also be given to the ability of the unit to offset heat losses in the evening hours and on weekends by means of gravity (air off) heating. If sufficient capacity is available it will not be necessary to operate the primary air system during these hours resulting in further energy and cost savings.

SECTION PROCEDURE

The tables on pages 7-24 contain unit capacities and noise criteria information based on the following parameters.

1. Primary air sensible cooling capacity: $T (\text{Room} - \text{PA}) = 20^\circ$ Temperature difference between room air and primary air. Primary air capacity for 20°T is conveniently shown in the selection chart. (Second column from left). For other than 20°T , the primary air capacity can be computed as follows: P.A. Capacity = CFM X 1.085 X T.
2. Secondary coil cooling capacity is based on a 25°T (Room-Entering water temp). For other than 25°T see the factors in table 4. The capacity factors for other than 25°T are computed as follows: $\frac{X}{25}$ where X = the degree T other than 25° .
3. Secondary coil capacity is based on a water flow rate of 1.5 GPM for all units 16 to 72", 2.0 GPM for 76 to 84" units. See table 5 for factors at other flow rates.
4. Noise criteria (NC) levels for medium room are based on attenuation effects of 3.0, 6.9, 7.5, 8.5, 8.5, 8.6 and 8.5 in the 2nd through 8th octave bands.
5. Free area of discharge and inlet grilles must be in accordance with table 9, page 29, to obtain catalog capacity. Whenever correction factors are required, they are to be multiplied by the catalog capacity to get the actual capacity.

COOLING SELECTION

The Rosemex Induction Unit's function is to offset module heat gain or loss. The design engineer should complete a schedule which will specify the maximum cooling and heating loads required of each module. The combination of primary air and secondary coil capacities must off-set the modular load throughout the year.

SELECTION EXAMPLE

STEP 1

Determine unit requirements by module

Distance between column.....	78 inches
Installation space required (piping, P.A. duct etc.) ..	14 inches
Maximum Induction unit length.....	64 inches
Unit Type	Vertical (HPV)
Total sensible cooling load	6700 BTUH
Maximum sound level	NC 35
Primary Air Qty.	80 CFM
Primary air temp.	55°
Maximum water quantity per unit.....	1.6 GPM
Maximum nozzle static pressure	2.1"
Entering water temp.	51°
Room Design Temp. DB/WB	75°/62°
Room dew point	54°

STEP 2

Determine primary air sensible cooling capacity and secondary coil load.

Primary air capacity = CFM x 1.085 ΔT;
(where ΔT = Room - P.A.)

80 x 1.085 x (75° - 55°) = 1736 BTUH

Secondary Coil load = 6700 - 1736 = 4964 BTUH

STEP 3

Check the parameters on which the catalog capacity is based. You will note that the ΔT (Room - EWT) = 24° and since catalog capacity is based on 25°, a correction must be made. The correction factor is 0.96 as shown in Table 4, Adjustment Factors For Various ΔT's (24/25 = 0.96) where ΔT = (Room - EWT), which means the actual capacity will be 96% of the catalog capacity. You will note that the maximum allowable GPM is 1.6 and the catalog capacity is based on 1.5. See Table 5, Adjustment Factors For Various Water Flow Rates, for the correction factor.

The correction factor is 1.01 (assuming the unit will be 44" or shorter) which means that the actual capacity will be 101% of the catalog capacity. Since the actual capacity will be 3% less than catalog capacity (-4% + 1%), a number must be found in the tables which is approximately 3% higher than your requirements.

4964 (1.03) = 5113 BTUH

STEP 4

Refer to the proper selection table and select the unit which will meet the corrected secondary coil capacity, the NC limit and the maximum allowable unit length at the CFM specified. Start with Nozzle A and go on to B, X, etc. as needed. Optimum selection is HPV 40C @ 5605 BTUH, 2.1 NSP and NC 33. Under the existing conditions, the secondary coil capacity will be 5605 (0.96) (1.01) = 5435 BTUH.

HEATING SELECTION (AIR ON)

The cooling selection is more critical than the heating, due to the lower ΔT (RM - EWT). The heating ΔT (EWT- RM) is generally 3 or more times greater than the cooling ΔT,

therefore, the heating capacity is 3 or more times greater than the cooling. In most cases, the required heating capacity can be obtained with the secondary coil, allowing the P.A. temperature to stay at 55°. The coldest areas of the country, however, may require heated primary air in addition to hot water to meet heating requirements.

STEP 1

Determine unit requirements

Total heating capacity	16,000 BTUH
Entering water temp.	170°
Primary air temp.	55°

STEP 2

Determine the heating capacity of the unit previously selected:

Heating capacity is determined by
(Cooling coil capacity)

$$\frac{(\text{Heating } \Delta T)}{(\text{Cooling } \Delta T)}$$

$$\pm \text{QPA}^* = \text{Heating capacity}$$

where QPA = (CFM x 1.085 x ΔT) = 1736 BTUH

where ΔT = (Room - PA)

$$5435 \left(\frac{170 - 75}{75 - 51} \right) - 1736 = 19,778$$

Required secondary coil heating capacity is 19,778 BTUH.

GRAVITY HEATING SELECTION (AIR OFF HEATING)

STEP 1

Determine unit requirements

Required gravity heat BTUH.....	5000 BTUH
Entering water temp.	200°
Room design temp.	60°

STEP 2

Determine ITD

ITD (Initial Temperature Difference EWT - RM)..... 140°

STEP 3

Refer to Gravity Heating Capacities. The gravity heating capacities chart on page 25, Table 6, must be used to determine the gravity heating capacity per degree ITD. 40 inch unit, BTUH per ° ITD = 54

Example

$$\frac{\text{Required BTUH}}{\text{ITD}} = \text{BTUH per } ^\circ \text{ITD}$$

$$\frac{5000 \text{ BTUH}}{140^\circ} = 35.7 \text{ BTUH per } ^\circ \text{ITD}$$

The value listed in the Gravity Heating Capacities Table is the maximum BTUH per °ITD that the unit can deliver. A forty inch unit has a maximum value of 54 BTUH per °ITD and only 35.7 is needed, so the gravity heating is acceptable for the forty inch unit. The HPV 40C will provide a total of 7560 BTUH of gravity heating (54 BTUH per °ITD x 140° = 7560 BTUH). Therefore, the HPV40C unit will satisfy the heating requirements.

TABLE 1
VERTICAL SELECTION

PRIMARY AIR			NOZZLE A																		
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																		
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	
10	217	NSP BTUH NC	0.80 1305 18	0.50 950 18																	
15	326	NSP BTUH NC	1.85 2200 23	1.15 2040 20	0.80 1750 19	0.60 1440 19															
20	434	NSP BTUH NC	3.25 2945 28	2.15 2705 25	1.45 2645 22	1.05 2450 21	0.80 2180 20	0.65 1900 20	0.50 1615 20												
25	543	NSP BTUH NC		3.25 3455 28	2.25 3195 26	1.65 3180 24	1.25 3065 22	1.00 2855 21	0.80 2600 21	0.65 2330 21	0.55 2060 21										
30	651	NSP BTUH NC			3.25 3955 28	2.40 3680 28	1.85 3670 25	1.45 3620 24	1.15 3465 23	0.95 3250 22	0.80 3005 22	0.70 2745 22	0.60 2480 22	0.50 2225 22							
35	760	NSP BTUH NC				3.25 4450 29	2.50 4150 28	1.95 4140 26	1.60 4025 25	1.30 4025 24	1.10 3850 23	0.95 3635 23	0.80 3395 23	0.70 3140 23	0.60 2885 23	0.55 2635 23					
40	868	NSP BTUH NC					3.25 4930 29	2.55 4610 29	2.10 4605 27	1.70 4600 26	1.45 4545 25	1.25 4410 24	1.05 4225 24	0.95 4005 24	0.80 3770 24	0.70 3520 24	0.65 3270 24	0.60 3365 24	0.50 3095 24		
45	977	NSP BTUH NC						3.25 5410 30	2.65 5060 30	2.20 5050 28	1.85 5040 27	1.55 5030 26	1.35 4930 25	1.20 4775 25	1.00 4585 25	0.90 4365 24	0.80 4130 24	0.75 4325 24	0.65 4055 24	0.60 3815 25	
50	1085	NSP BTUH NC							3.25 5875 30	2.70 5510 30	2.25 5480 29	1.90 5470 28	1.65 5460 27	1.45 5418 26	1.25 5290 26	1.10 5125 25	1.00 4925 25	0.90 4990 25	0.80 4760 25	0.75 4760 25	
55	1194	NSP BTUH NC								3.25 6335 31	2.75 5955 31	2.35 5930 30	2.00 5920 29	1.75 5880 28	1.55 5780 27	1.35 5635 26	1.20 5485 26	1.10 5335 26	1.00 5185 26	0.90 5035 26	
60	1302	NSP BTUH NC									3.25 6790 32	2.75 6400 31	2.40 6370 30	2.10 6355 29	1.85 6350 28	1.60 6320 28	1.45 6245 27	1.30 6115 27	1.20 6045 27	1.05 6495 27	
65	1411	NSP BTUH NC										3.25 7230 33	2.80 6830 32	2.45 6740 31	2.15 6750 30	1.90 6760 29	1.70 6745 29	1.55 7440 28	1.40 7335 28	1.25 6240 27	
70	1519	NSP BTUH NC											3.25 7670 33	2.85 7255 32	2.50 7145 31	2.20 7145 31	2.00 7160 30	1.75 7960 29	1.60 7920 29	1.45 7885 28	
75	1628	NSP BTUH NC												3.25 8095 35	2.85 7675 33	2.50 7545 32	2.25 7530 31	2.05 8400 31	1.85 8405 30	1.65 8435 29	
80	1736	NSP BTUH NC													3.25 8510 34	2.90 8080 33	2.55 7935 33	2.30 8450 32	2.10 8830 31	1.90 8900 31	
85	1845	NSP BTUH NC														3.25 9175 33	2.90 8270 31	2.60 9270 33	2.35 9235 33	2.15 9315 32	
90	1953	NSP BTUH NC															3.25 9890 37	2.95 9890 35	2.65 9700 34	2.40 9725 33	
95	2062	NSP BTUH NC																	3.25 10825 34	2.95 10335 35	2.65 10200 34
100	2170	NSP BTUH NC																	3.60 12280 33	2.95 10845 35	2.95 10845 35
105	2279	NSP BTUH NC																	4.00 14500 29	3.60 12690 33	3.25 11785 35
110	2387	NSP BTUH NC																		3.95 14820 30	3.60 13185 34
115	2495	NSP BTUH NC																			3.90 15245 30

INDUCTION UNIT

HPV - NOZZLE B



TABLE 1
VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE B																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
20	434	NSP BTUH NC	1.85 2435 26	1.15 2310 23	0.80 2055 22	1.05 1780 22														
25	543	NSP BTUH NC	2.85 2915 30	1.85 2820 26	1.25 2740 24	0.95 2540 23	0.70 2295 23	0.55 2045 23												
30	651	NSP BTUH NC		2.60 3220 30	1.85 3205 27	1.35 3155 25	1.00 2995 24	0.80 2780 23	0.65 2545 23	0.55 2310 23										
35	760	NSP BTUH NC			2.50 3565 30	1.84 3585 27	1.40 3555 26	1.10 3430 25	0.90 3240 24	0.75 3020 24	0.60 2795 24	0.50 2570 24								
40	868	NSP BTUH NC			3.25 4285 31	2.40 3975 30	1.85 3960 28	1.45 3950 26	1.15 3845 25	0.95 3680 25	0.80 3480 25	0.60 3265 25	0.50 2830 25							
45	977	NSP BTUH NC				3.00 4470 32	2.30 4285 30	1.85 4330 28	1.50 4250 27	1.25 4105 26	1.00 3925 25	0.90 3720 25	0.75 3510 25	0.65 3300 25	0.60 3090 25	0.50 3090 25				
50	1085	NSP BTUH NC					2.90 4740 32	2.25 4645 30	1.85 4700 29	1.50 4705 28	1.25 4640 27	1.10 4515 26	0.95 4350 26	0.80 4160 26	0.70 3960 26	0.65 3750 26	0.55 3545 26	0.50 3655 26		
55	1194	NSP BTUH NC						2.75 5045 32	2.20 5005 31	1.85 5065 29	1.50 5080 28	1.30 5025 27	1.10 4915 27	1.00 4765 27	0.85 4590 27	0.75 4395 27	0.70 4195 27	0.60 4365 27	0.55 4140 27	0.50 3935 27
60	1302	NSP BTUH NC							2.65 5365 32	2.20 5365 31	1.85 5425 30	1.55 5445 29	1.35 5405 28	1.15 5305 27	1.00 5170 27	0.90 5000 27	0.80 4820 27	0.75 5065 27	0.65 4840 27	0.60 4630 27
65	1411	NSP BTUH NC							3.10 5980 34	2.55 5700 33	2.15 5720 31	1.85 5780 30	1.55 5800 29	1.40 5775 28	1.20 5690 28	1.05 5565 28	0.95 5410 28	0.85 5730 28	0.80 5520 28	0.70 5320 28
70	1519	NSP BTUH NC								3.00 6220 34	2.50 6040 33	2.10 6075 32	1.85 6140 30	1.60 6135 29	1.40 6065 28	1.25 5950 28	1.10 6355 28	1.00 6165 28	0.90 5985 28	0.80 5795 28
75	1628	NSP BTUH NC									2.90 6495 34	2.45 6380 33	2.10 6425 32	1.85 6515 31	1.60 6495 30	1.45 6430 30	1.25 6345 29	1.15 6220 29	1.05 6095 29	0.95 5970 29
80	1736	NSP BTUH NC									3.25 7255 35	2.80 6790 34	2.40 6720 33	2.10 6770 32	1.85 6830 31	1.65 6860 30	1.45 6840 30	1.30 6730 30	1.15 6605 30	1.05 6480 30
85	1845	NSP BTUH NC										3.15 7435 35	2.70 7095 34	2.35 7055 33	2.05 7115 32	1.85 7175 31	1.65 7205 31	1.45 7175 31	1.35 7050 31	1.20 6925 31
90	1953	NSP BTUH NC											3.00 7660 35	2.65 7410 35	2.30 7395 34	2.05 7455 33	1.85 7515 32	1.65 7515 32	1.50 7430 32	1.35 7345 32
95	2062	NSP BTUH NC												2.95 7910 35	2.60 7725 35	2.30 7730 34	2.05 7790 33	1.85 7890 33	1.66 7990 33	1.50 8090 33
100	2170	NSP BTUH NC													2.90 8180 36	2.50 8045 35	2.25 8060 34	2.05 8160 34	1.85 8260 34	1.65 8360 34
105	2279	NSP BTUH NC														3.15 8845 37	2.80 8460 36	2.50 8360 35	2.25 8460 35	2.00 8560 35
110	2387	NSP BTUH NC															3.05 9050 37	2.75 8750 36	2.45 8750 36	2.20 8850 36
115	2496	NSP BTUH NC																3.00 9285 37	2.70 8950 37	2.40 8950 37
120	2604	NSP BTUH NC																	2.95 10430 37	2.65 10215 37
125	2713	NSP BTUH NC																		3.20 11175 37
130	2821	NSP BTUH NC																		3.45 12225 37

TABLE 1
VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE X																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
30	651	NSP BTUH NC	2.65 2840 31	1.70 2870 27	1.15 2800 25	0.85 2635 24	0.65 2435 24													
35	760	NSP BTUH NC		2.30 31.75 30	1.60 3220 27	1.15 3155 25	0.90 3000 25	0.70 2815 24	0.60 2625 24											
40	868	NSP BTUH NC		3.00 3580 32	2.10 3530 30	1.50 3570 26	1.15 3500 25	0.95 3355 25	0.75 3180 25	0.60 2995 25	0.50 2815 25									
45	977	NSP BTUH NC			2.65 3835 32	1.95 3880 29	1.50 3910 27	1.15 3840 26	0.95 3705 26	0.80 3535 26	0.65 3355 26	0.55 3175 26								
50	1085	NSP BTUH NC				2.40 4156 32	1.85 4230 29	1.45 4245 28	1.15 4170 27	0.95 4040 26	0.80 3880 26	0.70 3705 26	0.60 3525 26							
55	1194	NSP BTUH NC				2.90 4520 33	2.20 4495 31	1.75 4570 29	1.40 4570 28	1.15 4495 27	1.00 4370 27	0.85 4215 27	0.75 4045 27	0.65 3865 27						
60	1302	NSP BTUH NC					2.65 4790 33	2.10 4835 31	1.70 4900 29	1.40 4890 28	1.15 4815 28	1.00 4695 27	0.85 4540 27	0.75 4370 27	0.65 4200 27					
65	1411	NSP BTUH NC						2.45 5100 33	2.00 5170 31	1.65 5225 30	1.35 5205 29	1.15 5130 28	1.00 5010 28	0.85 4860 28	0.75 4695 28	0.65 4520 28		0.55 4615 28		
70	1519	NSP BTUH NC						2.85 5440 34	2.30 5420 33	1.90 5500 31	1.60 5540 30	1.35 5515 29	1.15 5435 28	1.00 5315 28	0.90 5170 28	0.80 5005 28	0.70 4835 28	0.65 5150 28	0.60 4975 28	0.50 4800 29
75	1628	NSP BTUH NC						2.65 5708 34	2.65 5750 32	1.85 5820 31	1.55 5850 30	1.35 5815 29	1.15 5735 29	1.00 5615 29	0.90 5470 29	0.80 5310 29	0.75 5150 29	0.65 5005 29	0.60 4835 29	0.50 4660 29
80	1736	NSP BTUH NC						3.00 6120 35	2.50 6005 34	2.10 6070 32	1.75 6135 31	1.50 6150 30	1.35 6110 29	1.15 6025 29	1.05 5905 29	0.90 5765 29	0.85 5615 29	0.75 5465 29	0.65 5315 29	0.55 5165 29
85	1845	NSP BTUH NC							2.80 6330 35	2.35 6310 34	2.00 6385 32	1.75 6440 31	1.50 6445 30	1.35 6400 30	1.15 6310 30	1.05 6190 30	0.95 6090 30	0.85 5935 30	0.75 5785 30	0.65 5635 30
90	1953	NSP BTUH NC								2.65 6390 35	2.25 6620 34	1.95 6690 32	1.70 6730 31	1.50 6735 30	1.30 6680 30	1.15 6590 30	1.05 6515 30	0.95 6415 30	0.85 6265 30	0.75 6115 30
95	2062	NSP BTUH NC								2.95 6970 36	2.50 6870 35	2.15 6925 34	1.85 6990 33	1.65 7025 32	1.45 7013 31	1.30 6955 31	1.15 7590 31	1.05 7475 31	0.95 7345 31	0.85 7205 31
100	2170	NSP BTUH NC									2.80 7185 36	2.40 7160 35	2.10 7225 34	1.85 7285 33	1.65 7305 32	1.45 7285 31	1.30 7985 31	1.15 7905 31	1.05 7795 31	0.95 7645 31
105	2279	NSP BTUH NC										2.65 7435 36	2.30 7455 35	2.00 7520 34	1.80 7565 33	1.60 7580 32	1.45 8350 32	1.30 8300 32	1.15 8220 31	1.05 8070 31
110	2387	NSP BTUH NC										2.90 7795 36	2.50 7700 36	2.20 7740 35	1.95 7805 34	1.75 7845 33	1.55 8675 33	1.40 8660 32	1.30 8610 32	1.15 8560 32
115	2496	NSP BTUH NC											2.75 8005 37	2.45 7975 36	2.15 8025 35	1.90 8080 34	1.70 8970 33	1.55 8985 33	1.40 8970 32	1.25 8860 32
120	2604	NSP BTUH NC											3.00 8410 37	2.65 8245 37	2.35 8250 36	2.10 8305 35	1.85 9235 34	1.70 9285 34	1.55 9300 33	1.40 9150 33
125	2713	NSP BTUH NC												2.85 8585 37	2.55 8495 37	2.25 8520 36	2.05 9480 35	1.85 9550 34	1.65 9595 34	1.50 9440 34
130	2821	NSP BTUH NC													2.75 8790 37	2.45 8750 37	2.20 9715 36	2.00 9800 35	1.80 9870 35	1.60 9740 35
135	2930	NSP BTUH NC															2.65 9015 37	2.35 9960 36	2.15 10035 35	1.95 10120 35
140	3038	NSP BTUH NC																2.55 10230 38	2.30 10270 37	2.10 10355 36
145	3147	NSP BTUH NC																2.75 10545 38	2.45 10525 37	2.25 10587 36
150	3255	NSP BTUH NC																2.95 10940 39	2.65 10815 38	2.40 10830 38

INDUCTION UNIT

HPV - NOZZLE C



TABLE 1
VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE C																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
35	760	NSP BTUH NC	2.50 2900 32	1.60 2975 28	1.10 2910 26	0.80 2790 25	0.60 2655 25													
40	868	NSP BTUH NC		2.10 3255 31	1.45 3290 28	1.05 3215 26	0.80 3095 26	0.65 2970 26	0.50 2855 26											
45	977	NSP BTUH NC		2.65 3480 33	1.85 3600 30	1.35 3600 28	1.00 3515 27	0.80 3400 26	0.65 3275 26	0.55 3160 26										
50	1085	NSP BTUH NC			2.25 3840 32	1.65 3995 29	1.27 3900 28	1.01 3810 27	0.80 3695 27	0.65 3575 27	0.55 3455 27									
55	1194	NSP BTUH NC			2.75 4055 34	2.00 4185 31	1.55 4230 29	1.20 4190 28	1.00 4100 27	0.80 3985 27	0.70 3865 27	0.58 3745 27								
60	1302	NSP BTUH NC				2.40 4400 33	1.85 4510 31	1.45 4530 29	1.15 4475 28	0.95 4380 28	0.80 4265 28	0.70 4145 28	0.60 4025 28							
65	1411	NSP BTUH NC				2.80 4610 35	2.15 4745 32	1.70 4825 30	1.35 4820 29	1.15 4755 28	0.95 4655 28	0.80 4540 28	0.70 4420 28	0.60 4300 28						
70	1519	NSP BTUH NC					2.50 4945 34	1.95 5070 32	1.60 5120 30	1.30 5100 29	1.10 5025 29	0.95 4920 28	0.80 4805 28	0.70 4685 28	0.60 4560 28					
75	1628	NSP BTUH NC					2.85 5155 35	2.25 5285 33	1.85 5385 32	1.50 5405 30	1.25 5370 30	1.10 5290 29	0.95 5180 29	0.82 5065 29	0.70 4940 29	0.65 4820 29		0.50 5130 29		
80	1736	NSP BTUH NC						2.55 5475 35	2.10 5605 33	1.75 5680 31	1.45 5680 30	1.25 5630 30	1.05 5545 29	0.95 5435 29	0.80 5315 29	0.70 5195 29	0.65 5065 29	0.60 4945 29	0.50 4825 29	
85	1845	NSP BTUH NC						2.90 5685 36	2.35 5805 34	1.95 5920 33	1.65 5965 31	1.40 5950 31	1.20 5885 30	1.05 5795 30	0.90 5680 30	0.80 5560 30	0.75 5435 30	0.65 5315 30	0.60 5195 30	0.55 5075 30
90	1953	NSP BTUH NC							2.65 6000 35	2.15 6125 34	1.85 6210 32	1.55 6235 31	1.35 6205 30	1.15 6135 30	1.05 6035 30	0.90 5920 30	0.80 5800 30	0.75 5685 30	0.65 5570 30	0.60 5455 30
95	2062	NSP BTUH NC							2.95 6205 36	2.45 6315 35	2.05 6430 34	1.75 6495 32	1.50 6500 31	1.30 6455 31	1.15 6375 30	1.00 6270 30	0.90 6155 30	0.80 6040 30	0.75 5925 30	0.65 5810 30
100	2170	NSP BTUH NC								2.70 6505 36	2.25 6630 35	1.90 6720 33	1.65 6760 32	1.45 6750 31	1.25 6695 31	1.15 6605 31	1.00 6500 31	0.90 6385 31	0.80 6270 31	0.75 6155 31
105	2279	NSP BTUH NC									2.50 6810 36	2.10 6930 35	1.85 7000 33	1.60 7020 32	1.40 6990 32	1.25 6925 31	1.10 6830 31	1.00 6715 31	0.90 6600 31	0.80 6485 31
110	2387	NSP BTUH NC									2.75 6995 37	2.35 7115 36	2.00 7215 34	1.75 7265 33	1.55 7265 32	1.35 7225 32	1.20 7150 32	1.10 7035 32	1.00 6920 32	0.90 6805 32
115	2496	NSP BTUH NC										2.55 7295 36	2.20 7405 35	1.90 7485 34	1.70 7515 33	1.50 7500 33	1.35 7445 32	1.20 7330 32	1.10 7215 32	1.00 7100 32
120	2604	NSP BTUH NC										2.80 7480 37	2.40 7585 36	2.10 7685 35	1.85 7745 34	1.65 7755 33	1.45 7725 33	1.30 7670 33	1.15 7555 33	1.05 7440 33
125	2713	NSP BTUH NC											2.60 7760 37	2.25 7870 36	2.00 7950 35	1.75 7990 34	1.55 7985 34	1.40 7935 34	1.25 7820 34	1.15 7705 34
130	2821	NSP BTUH NC												2.80 7950 38	2.45 8045 37	2.15 8140 36	1.90 8205 35	1.70 8225 34	1.55 8180 34	1.40 8135 34
135	2930	NSP BTUH NC													2.65 8220 38	2.30 8320 37	2.05 8400 36	1.85 8445 35	1.65 8430 35	1.50 8405 35
140	3038	NSP BTUH NC														2.85 8405 38	2.50 8490 37	2.20 8585 36	2.00 8650 35	1.75 8705 35
145	3147	NSP BTUH NC															2.65 8665 38	2.35 8755 37	2.10 8835 36	1.90 8935 35
150	3255	NSP BTUH NC																2.85 8650 39	2.55 8920 38	2.25 9010 37
155	3364	NSP BTUH NC																	2.70 9095 39	2.40 9175 38

TABLE 1
VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE D																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
45	977	NSP BTUH NC	2.30 3055 34	1.50 3140 30	1.05 3120 29	0.75 3065 28	0.55 3010 28													
50	1085	NSP BTUH NC	2.85 3255 36	1.85 3370 32	1.25 3400 30	0.95 3365 29	0.70 3310 28	0.60 3265 28												
55	1194	NSP BTUH NC		2.20 3565 34	1.55 3655 31	1.15 3655 30	0.85 3610 29	0.70 3555 29	0.55 3510 29											
60	1302	NSP BTUH NC		2.65 3745 36	1.85 3870 33	1.35 3915 31	1.05 3895 30	0.80 3850 29	0.65 3795 29	0.55 3750 29										
65	1411	NSP BTUH NC			2.15 4060 34	1.55 4155 32	1.20 4165 30	0.95 4130 30	0.80 4080 29	0.65 4030 29	0.55 3980 29									
70	1519	NSP BTUH NC			2.35 4235 36	1.80 4360 33	1.40 4415 31	1.10 4405 30	0.90 4360 30	0.75 4305 30	0.62 4255 30	0.55 4205 30								
75	1628	NSP BTUH NC			2.85 4421 37	2.10 4545 35	1.60 4640 32	1.25 4660 31	1.05 4630 30	0.85 4585 30	0.70 4525 30	0.60 4470 30	0.55 4420 30							
80	1736	NSP BTUH NC				2.40 4715 36	1.85 4840 34	1.45 4895 32	1.15 4890 31	0.95 4855 31	0.80 4800 30	0.70 4740 30	0.60 4685 30	0.50 4630 30						
85	1845	NSP BTUH NC				2.70 4885 37	2.05 5020 35	1.65 5110 33	1.35 5135 32	1.10 5110 31	0.90 5065 31	0.75 5010 31	0.60 4945 31	0.50 4885 31	0.50 4835 31					
90	1953	NSP BTUH NC					2.30 5185 36	1.85 5300 34	1.50 5360 33	1.25 5360 32	1.05 5325 31	0.90 5270 31	0.75 5210 31	0.65 5145 31	0.55 5085 31	0.50 5030 31				
95	2062	NSP BTUH NC					2.60 5345 37	2.05 5475 35	1.65 5565 34	1.40 5590 32	1.15 5575 32	1.00 5530 31	0.85 5470 31	0.75 5405 31	0.65 5340 31	0.55 5275 31	0.50 5215 31			
100	2170	NSP BTUH NC					2.85 5525 38	2.30 5640 38	1.85 5750 35	1.50 5805 33	1.25 5810 32	1.10 5775 32	0.95 5725 32	0.80 5660 32	0.70 5595 32	0.65 5525 32	0.55 5455 32	0.50 6000 32		
105	2279	NSP BTUH NC						2.50 5800 37	2.00 5925 36	1.65 6005 34	1.40 6030 33	1.20 6015 32	1.05 5975 32	0.90 5915 32	0.80 5845 32	0.70 5775 32	0.60 5700 32	0.55 6270 32	0.50 6215 32	
110	2387	NSP BTUH NC							2.20 6085 37	1.85 6190 35	1.55 6240 34	1.30 6245 33	1.15 6215 33	1.00 6160 32	0.90 6095 32	0.80 6020 32	0.70 5945 32	0.60 6535 32	0.55 6475 32	0.50 6410 32
115	2496	NSP BTUH NC							2.45 6240 38	2.00 6360 36	1.70 6435 35	1.45 6460 34	1.25 6445 33	1.10 6400 33	0.95 6340 33	0.85 6270 33	0.75 6190 33	0.65 6805 33	0.60 6740 33	0.55 6665 33
120	2604	NSP BTUH NC								2.20 6515 37	1.85 6615 35	1.55 6660 34	1.35 6660 34	1.15 6630 33	1.05 6580 33	0.90 6510 33	0.80 6430 33	0.75 7070 33	0.65 7000 33	0.60 6925 33
125	2713	NSP BTUH NC								2.35 6670 38	2.00 6780 38	1.70 6845 35	1.45 6855 34	1.25 6870 34	1.10 6855 33	1.00 6745 33	0.90 6675 33	0.80 7335 33	0.70 7265 33	0.65 7185 33
130	2821	NSP BTUH NC								2.55 6820 39	2.15 6935 37	1.85 7020 36	1.60 7065 35	1.40 7065 34	1.20 7035 34	1.10 6975 34	0.95 6910 34	0.85 7600 34	0.80 7530 34	0.70 7445 34
135	2930	NSP BTUH NC									2.30 7085 38	2.00 7185 37	1.70 7245 36	1.50 7265 35	1.30 7250 34	1.15 7200 34	1.05 7140 34	0.95 7860 34	0.85 7790 34	0.75 7705 34
140	3038	NSP BTUH NC									2.50 7230 39	2.15 7340 38	1.85 7415 38	1.60 7455 35	1.40 7450 35	1.25 7420 34	1.10 7360 34	1.00 8115 34	0.90 8045 34	0.80 7960 34
145	3147	NSP BTUH NC										2.30 7485 38	2.00 7580 37	1.70 7635 36	1.50 7650 35	1.35 7625 35	1.20 7580 35	1.05 8360 35	0.95 8300 35	0.90 8215 35
150	3255	NSP BTUH NC										2.45 7630 39	2.10 7730 38	1.85 7800 37	1.60 7830 36	1.45 7825 35	1.25 7785 35	1.15 8605 35	1.05 8545 35	0.90 8465 35
155	3364	NSP BTUH NC											2.25 7875 39	1.95 7960 37	1.70 8005 37	1.55 8015 38	1.35 7990 38	1.20 8835 38	1.10 8785 38	1.00 8710 38
160	3472	NSP BTUH NC											2.40 8020 39	2.10 8110 38	1.85 8170 37	1.65 8180 36	1.45 8180 36	1.30 9065 36	1.20 9020 36	1.10 8950 36
165	3581	NSP BTUH NC												2.20 8250 39	1.95 8325 38	1.75 8365 37	1.55 8365 36	1.40 9280 36	1.25 9250 36	1.15 9185 36

INDUCTION UNIT

HPV - NOZZLE E



TABLE 1
VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE E																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
55	1194	NSP BTUH NC	2.20 3240 37	1.40 3340 33	1.00 3390 31	0.75 3430 30														
60	1302	NSP BTUH NC	2.65 3405 38	1.70 3525 34	1.20 3595 32	0.85 3640 31	0.65 3680 31													
65	1411	NSP BTUH NC		2.00 3695 36	1.40 3790 33	1.01 3845 32	0.80 3885 31	0.60 3925 31												
70	1519	NSP BTUH NC		2.30 3850 38	1.60 3975 34	1.15 4040 33	0.90 4085 32	0.70 4125 31	0.60 4165 31											
75	1628	NSP BTUH NC			1.85 4140 36	1.35 4230 33	1.05 4285 32	0.80 4320 32	0.65 4360 32	0.55 4400 32										
80	1736	NSP BTUH NC			2.10 4295 37	1.55 4410 34	1.20 4475 33	0.95 4520 32	0.75 4550 32	0.60 4580 32	0.50 4630 32									
85	1845	NSP BTUH NC			2.35 4445 38	1.75 4575 36	1.35 4660 34	1.05 4710 33	0.85 4750 32	0.70 4775 32	0.60 4810 32	0.50 4850 32								
90	1953	NSP BTUH NC				1.95 4730 37	1.50 4830 35	1.20 4895 34	0.95 4935 33	0.80 4965 33	0.65 4995 33	0.55 5025 33								
95	2062	NSP BTUH NC				2.15 4875 38	1.65 4995 36	1.30 5070 34	1.05 5120 33	0.90 5150 33	0.75 5175 33	0.65 5205 33	0.55 5230 33							
100	2170	NSP BTUH NC					1.85 5150 37	1.45 5245 35	1.15 5300 34	0.95 5335 33	0.80 5360 33	0.70 5385 33	0.60 5405 33	0.50 5435 33						
105	2279	NSP BTUH NC					2.00 5300 38	1.60 5405 36	1.30 5475 35	1.05 5515 34	0.90 5545 34	0.75 5565 34	0.65 5585 34	0.55 5605 34	0.50 5630 34					
110	2387	NSP BTUH NC					2.20 5440 39	1.75 5560 37	1.42 5645 35	1.15 5695 34	1.00 5725 34	0.85 5745 34	0.70 5760 34	0.65 5775 34	0.55 5795 34					
115	2496	NSP BTUH NC					1.90 5705 38	1.55 5805 36	1.30 5865 35	1.10 5900 34	0.90 5925 34	0.80 5935 34	0.70 5950 34	0.60 5960 34	0.55 5975 34	0.65 5975 34				
120	2604	NSP BTUH NC					2.09 5845 38	1.70 5955 37	1.40 6030 36	1.15 6075 35	1.00 6100 35	0.85 6110 34	0.75 6120 34	0.65 6130 34	0.60 6135 35	0.55 6145 35	0.51 6185 35			
125	2713	NSP BTUH NC					2.25 5980 39	1.85 6100 38	1.50 6185 36	1.25 6240 35	1.10 6270 35	0.95 6285 35	0.80 6295 35	0.70 6300 35	0.65 6305 35	0.60 6305 35	0.55 6305 35	0.51 6305 35		
130	2821	NSP BTUH NC						2.00 6240 38	1.65 6340 37	1.35 6400 36	1.15 6440 35	1.00 6460 35	0.85 6465 35	0.75 6470 35	0.70 6465 35	0.65 6465 35	0.60 6465 35	0.55 6465 35		
135	2930	NSP BTUH NC						2.15 6375 39	1.75 6485 38	1.50 6560 37	1.25 6605 36	1.10 6625 35	0.95 6635 35	0.85 6635 35	0.75 6635 35	0.70 6630 35	0.65 6630 35	0.60 6630 35	0.55 6630 35	
140	3038	NSP BTUH NC							1.90 6625 38	1.60 6710 37	1.35 6765 36	1.15 6790 36	1.00 6805 36	0.90 6805 36	0.80 6800 36	0.70 6790 36	0.65 6790 36	0.60 6790 36	0.55 6790 36	0.50 6790 36
145	3147	NSP BTUH NC							2.05 6755 39	1.70 6855 38	1.45 6915 37	1.25 6950 36	1.10 6970 36	0.95 6970 36	0.85 6965 36	0.75 6955 36	0.70 6955 36	0.60 6955 36	0.55 6955 36	0.50 6955 36
150	3255	NSP BTUH NC							2.15 6885 40	1.85 6990 39	1.55 7065 38	1.35 7110 37	1.15 7130 36	1.00 7135 36	0.90 7130 36	0.80 7115 36	0.75 7115 36	0.70 7115 36	0.65 7115 36	0.60 7115 36
155	3364	NSP BTUH NC								1.95 7125 39	1.65 7210 38	1.45 7260 37	1.25 7290 36	1.10 7295 36	1.00 7290 36	0.85 7280 36	0.80 7280 36	0.75 7280 36	0.70 7280 36	0.65 7280 36
160	3472	NSP BTUH NC									1.75 7345 39	1.50 7405 38	1.35 7440 37	1.15 7455 36	1.00 7450 36	0.90 7440 36	0.85 7440 36	0.80 7440 36	0.75 7440 36	0.70 7440 36
165	3581	NSP BTUH NC									1.90 7480 39	1.60 7550 38	1.40 7590 37	1.25 7610 36	1.10 7600 36	1.00 7600 36	0.90 7600 36	0.80 7600 36	0.75 7600 36	0.70 7600 36
170	3689	NSP BTUH NC										1.75 7685 39	1.50 7735 38	1.30 7760 37	1.15 7765 36	1.05 7755 36	0.95 7755 36	0.85 7755 36	0.80 7755 36	0.75 7755 36
175	3798	NSP BTUH NC											1.84 7820 39	1.60 7875 38	1.40 7910 38	1.25 7920 37	1.10 7910 37	1.00 7910 37	0.90 7910 37	0.80 7910 37

TABLE 2
LOW VERTICAL SELECTION

PRIMARY AIR			NOZZLE A																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	
10	217	NSP BTUH NC	067 1005 19																	
15	326	NSP BTUH NC	1.50 1885 23	1.05 1810 21	0.75 1625 21	0.60 1395 20														
20	434	NSP BTUH NC	2.65 2390 28	1.85 2505 25	1.35 2520 23	1.05 2400 22	0.80 2200 22	0.65 1965 22	0.55 1720 22											
25	543	NSP BTUH NC		2.90 3030 29	2.15 3075 27	1.65 3135 25	1.30 3080 24	1.05 2930 23	0.85 2725 23	0.70 2485 23	0.60 2235 23	0.55 1985 23								
30	651	NSP BTUH NC			3.05 3680 30	2.35 3620 29	1.85 3695 27	1.50 3685 25	1.25 3580 24	1.05 3410 24	0.90 3190 24	0.75 2950 24	0.65 2695 24	0.60 2445 24	0.50 2195 24					
35	760	NSP BTUH NC				3.20 4330 30	2.50 4155 30	2.05 4205 28	1.70 4225 27	1.40 4160 26	1.20 4020 25	1.05 3830 25	0.90 3605 25	0.80 3360 25	0.70 3105 25	0.65 2845 25	0.55 2765 25	0.50 2520 25		
40	868	NSP BTUH NC						2.65 4680 31	2.20 4685 29	1.85 4710 28	1.60 4675 27	1.35 4570 26	1.20 4405 26	1.05 4195 25	0.90 3965 25	0.80 3715 25	0.75 3680 25	0.65 3425 26	0.60 3180 26	
45	977	NSP BTUH NC							2.80 5195 31	2.35 5145 30	2.00 5160 29	1.70 5135 28	1.50 5054 27	1.30 4915 27	1.15 4730 27	1.05 4510 26	0.95 4545 26	0.85 4300 26	0.75 4055 26	
50	1085	NSP BTUH NC								2.90 5700 32	2.50 5585 31	2.15 5575 30	1.85 5555 29	1.65 5490 28	1.45 5370 28	1.30 5200 27	1.15 5325 27	1.05 5105 27	0.95 4880 27	
55	1194	NSP BTUH NC									3.00 6195 33	2.60 6010 32	2.25 5965 31	2.00 5940 30	1.75 5880 29	1.55 5770 29	1.40 5985 28	1.25 5820 28	1.15 5630 28	
60	1302	NSP BTUH NC										3.05 6675 33	2.65 6420 33	2.35 6335 32	2.10 6290 31	1.85 6230 30	1.65 6530 30	1.50 6420 29	1.35 6280 29	
65	1411	NSP BTUH NC											3.13 7135 34	2.75 6810 33	2.45 6680 33	2.15 6615 32	1.95 6975 31	1.75 6915 31	1.60 6825 30	
70	1519	NSP BTUH NC												3.20 7580 34	2.85 7185 34	2.50 7010 33	2.25 7370 33	2.05 7325 32	1.85 7280 31	
75	1628	NSP BTUH NC													3.24 8000 36	2.90 7540 35	2.60 7795 34	2.35 7710 34	2.15 7670 33	
80	1736	NSP BTUH NC														3.30 8400 35	2.95 8395 35	2.65 8150 35	2.40 8050 34	
85	1845	NSP BTUH NC															3.35 9345 35	3.00 8785 35	2.75 8510 35	
90	1953	NSP BTUH NC																3.75 10910 33	3.40 9780 35	3.05 9175 36

NOTE: Capacities in Table 2 are based on the following conditions:

- BTUH = Secondary coil sensible cooling capacity.
NC = (Noise Criteria) The sound pressure levels in a medium room based on the following room effect.

Center Frequency	125	250	500	1000	2000	4000	8000
Room Absorption (DB)	3.0	6.9	7.5	8.5	8.5	8.6	8.5
- GPM = 1.5 tor 16" - 72" units
= 2.0 tor 76" - 84" units
See adjustment factor table for other flow rates
- ΔT (Room design temp. - Entering water temp.) = 25°F.
See Adjustment factor table for other T's.
The factors are computed using the formula $x \frac{x}{25}$ where $\frac{x}{25}$ the T other than 25.

INDUCTION UNIT

HPL - NOZZLE B



TABLE 2
LOW VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE B																
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																
			20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
15	326	NSP BTUH NC	0.85 1480 23	0.60 1320 22															
20	424	NSP BTUH NC	1.50 2085 26	1.05 2070 24	0.75 1930 23	0.60 1745 23													
25	543	NSP BTUH NC	2.35 2445 30	1.65 2600 27	1.20 2610 25	0.90 2500 24	0.60 2125 24												
30	651	NSP BTUH NC		2.35 2950 30	1.70 3090 28	1.30 3120 26	1.05 3035 25	0.85 2875 25	0.70 2675 25	0.60 2465 25									
35	760	NSP BTUH NC		3.20 3555 32	2.35 3430 31	1.80 3555 29	1.40 3595 27	1.15 3525 26	0.95 3380 26	0.80 3195 26	0.70 2980 26	0.60 2780 26	0.50 2540 26						
40	868	NSP BTUH NC			3.05 3975 33	2.35 3890 31	1.85 4000 29	1.50 4040 28	1.25 3985 27	1.05 3855 27	0.90 3675 26	0.75 3465 26	0.65 3240 26	0.60 3015 26	0.50 2790 26				
45	977	NSP BTUH NC				2.95 4395 33	2.35 4325 32	1.90 4415 30	1.55 4455 29	1.30 4405 28	1.10 4285 27	0.95 4115 27	0.85 3915 27	0.75 3690 27	0.65 3460 27	0.60 3230 27	0.55 3215 27		
50	1085	NSP BTUH NC					2.90 4800 34	2.35 4740 32	1.95 4810 31	1.65 4845 30	1.40 4800 29	1.20 4690 28	1.05 4525 28	0.90 4325 28	0.80 4105 28	0.70 3875 28	0.65 3900 28	0.60 3650 28	0.55 3430 28
55	1194	NSP BTUH NC						2.85 5185 34	2.35 5130 33	1.95 5185 31	1.70 5205 30	1.45 5165 29	1.25 5055 29	1.10 4900 29	1.00 4705 28	0.90 4485 28	0.80 4560 28	0.70 4310 29	0.65 4080 29
60	1302	NSP BTUH NC							2.80 5555 34	2.35 5495 33	2.00 5535 32	1.70 5545 31	1.50 5500 30	1.30 5395 30	1.15 5240 29	1.05 5050 29	0.95 5180 29	0.85 4940 29	0.75 4715 29
65	1411	NSP BTUH NC							3.25 6340 35	2.75 5905 35	2.35 5840 32	2.00 5860 31	1.75 5860 31	1.55 5810 31	1.35 5705 30	1.20 5550 30	1.10 5745 30	1.00 5525 30	0.90 5320 30
70	1519	NSP BTUH NC								3.20 6610 35	2.70 6230 35	2.35 6160 34	2.05 6150 33	1.80 6090 32	1.60 6090 31	1.40 5985 31	1.25 6250 31	1.15 6060 31	1.05 5875 30
75	1628	NSP BTUH NC									3.10 6875 36	2.70 6540 35	2.35 6455 34	2.05 6441 33	1.80 6415 33	1.65 6350 32	1.45 6685 32	1.30 6530 31	1.20 6380 31
80	1736	NSP BTUH NC										3.05 7130 36	2.65 6820 36	2.35 6730 35	2.10 6695 34	1.85 6655 33	1.65 7055 33	1.50 6940 32	1.35 6830 32
85	1845	NSP BTUH NC											3.00 7375 36	2.65 7080 36	2.35 6980 35	2.10 6930 34	1.90 7370 34	1.70 7290 33	1.55 7215 33
90	1953	NSP BTUH NC												2.95 7595 37	2.65 7320 36	2.35 7205 35	2.10 7650 35	1.90 7590 34	1.70 7550 34
95	2062	NSP BTUH NC													2.95 7805 37	2.60 7535 37	2.35 7940 36	2.10 7865 35	1.90 7840 35
100	2170	NSP BTUH NC													3.25 8540 37	2.90 7990 37	2.60 8280 37	2.35 8145 36	2.15 8110 36
105	2279	NSP BTUH NC														3.20 8665 38	2.85 8740 38	2.60 8475 37	2.35 8385 37
110	2387	NSP BTUH NC															3.15 9410 38	2.85 8915 38	2.55 8705 38
115	2496	NSP BTUH NC															3.45 10395 37	3.10 9535 38	2.80 9125 38
120	2604	NSP BTUH NC															3.75 11820 35	3.40 10435 38	3.05 9710 39

REFERS TO NOTES ON PAGE 13.

TABLE 2
LOW VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE X																
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																
			20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
15	326	NSP BTUH NC	0.55 1220 23																
20	434	NSP BTUH NC	0.95 1820 25	0.65 1715 24															
25	543	NSP BTUH NC	1.50 2285 27	1.05 2295 25	0.75 2195 25	0.60 2050 25													
30	651	NSP BTUH NC	2.15 2595 31	1.50 2745 28	1.10 2745 26	0.85 2647 26	0.65 2500 25	0.55 2340 25											
35	760	NSP BTUH NC	2.95 2945 33	2.05 3365 30	1.50 3185 29	1.15 3175 27	0.90 3080 27	0.75 2935 27	0.60 2765 27	0.50 2595 27									
40	868	NSP BTUH NC		2.65 3365 33	1.95 3505 30	1.50 3605 29	1.20 3585 27	0.95 3485 27	0.80 3340 27	0.65 3170 27	0.55 2990 27								
45	977	NSP BTUH NC			2.50 3790 33	1.90 3930 31	1.50 4000 29	1.20 3975 28	1.00 3870 28	0.85 3725 27	0.70 3550 27	0.60 3365 27	0.55 3180 27						
50	1085	NSP BTUH NC			3.05 4215 34	2.35 4205 33	1.85 4325 31	1.50 4380 29	1.25 4340 28	1.05 4235 28	0.90 4085 28	0.75 3910 28	0.65 3720 28	0.60 3525 28	0.50 3335 28				
55	1194	NSP BTUH NC			2.85 4550 34	2.25 4600 33	1.80 4705 31	1.50 4735 30	1.25 4685 29	1.05 4575 29	0.95 4420 28	0.80 4440 28	0.70 4050 28	0.65 3850 28	0.55 3650 28	0.50 3680 29			
60	1302	NSP BTUH NC				2.65 4905 34	2.15 4975 33	1.80 5055 31	1.50 5070 30	1.30 5010 30	1.10 4895 29	0.95 4735 29	0.85 4550 29	0.75 4355 29	0.65 4145 29	0.60 4205 29	0.55 3985 29		
65	1411	NSP BTUH NC				3.15 5385 35	2.55 5255 34	2.10 5325 33	1.75 5390 32	1.50 5385 31	1.30 5315 30	1.15 5190 30	1.00 5025 30	0.90 4840 29	0.80 4635 29	0.70 4490 30	0.65 4290 30	0.55	
70	1519	NSP BTUH NC					2.95 5645 36	2.45 5590 34	2.05 5655 33	1.75 5675 32	1.50 5675 31	1.30 5595 31	1.15 5460 30	1.00 5295 30	0.90 5100 30	0.80 4990 30	0.75 4785 30	0.65	
75	1628	NSP BTUH NC						2.80 5925 36	2.35 5910 35	2.00 5965 33	1.70 5985 32	1.50 5945 31	1.30 5855 31	1.15 5715 31	1.05 5540 31	0.95 5700 30	0.85 5470 30	0.75	
80	1736	NSP BTUH NC						3.15 6445 36	2.65 6210 35	2.30 6215 34	1.95 6250 33	1.70 6250 32	1.50 6195 31	1.35 6090 31	1.20 5945 31	1.05 6150 31	0.95 5930 31	0.85	
85	1845	NSP BTUH NC							3.00 6635 36	2.55 6490 35	2.20 6495 34	1.95 6515 33	1.70 6495 32	1.50 6425 32	1.35 6310 32	1.20 6560 32	1.10 6364 31	1.00	
90	1953	NSP BTUH NC								2.90 6850 37	2.50 6750 36	2.15 6755 35	1.90 6755 34	1.70 6720 33	1.50 6635 33	1.35 6935 32	1.20 6760 32	1.10	
95	2062	NSP BTUH NC								3.20 7385 37	2.75 7070 37	2.40 7000 36	2.10 6990 35	1.85 6975 34	1.65 6920 34	1.50 7275 33	1.35 7125 33	1.25	
100	2170	NSP BTUH NC									3.05 7515 37	2.65 7285 37	2.35 7225 36	2.10 7205 35	1.85 7170 35	1.65 7570 34	1.50 7450 33	1.35	
105	2279	NSP BTUH NC										2.95 7765 38	2.60 7490 37	2.30 7435 36	2.05 7400 35	1.85 7835 34	1.65 7740 34	1.50	
110	2387	NSP BTUH NC											2.85 7825 38	2.50 7680 37	2.25 7620 36	2.00 8075 35	1.80 8000 35	1.65	
115	2496	NSP BTUH NC												2.75 7980 38	2.45 7855 37	2.20 8305 36	2.00 8240 36	1.80	
120	2604	NSP BTUH NC													3.00 8370 39	2.65 8125 38	2.40 8545 37	2.15	
125	2713	NSP BTUH NC														2.90 8470 39	2.60 8180 38	2.35	
130	2821	NSP BTUH NC														3.15 8930 39	2.80 9135 38	2.55	
135	2930	NSP BTUH NC															3.05 9560 39	2.75 9235 39	

REFERS TO NOTES ON PAGE 13.

INDUCTION UNIT

HPL - NOZZLE C



TABLE 2
LOW VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE C																
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																
			20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
35	760	NSP BTUH NC	2.05 2810 31	1.40 2925 29	1.05 2915 27	0.80 2845 27	0.65 2750 27	0.50 2655 27											
40	868	NSP BTUH NC	2.65 3030 34	1.85 3240 31	1.35 3315 29	1.05 3285 28	0.80 3205 27	0.65 3105 27	0.55 3000 27										
45	977	NSP BTUH NC		2.35 3475 33	1.70 3640 31	1.30 3680 29	1.05 3635 28	0.85 3550 28	0.70 3440 28	0.60 3330 28									
50	1085	NSP BTUH NC		2.90 3700 35	2.15 3900 33	1.65 4020 31	1.30 4030 29	1.05 3975 29	0.85 3975 28	0.70 3760 28	0.60 3640 28	0.55 3520 28							
55	1194	NSP BTUH NC			2.55 4115 35	1.95 4290 32	1.55 4375 30	1.25 4360 29	1.05 4290 29	0.90 4185 29	0.75 4065 29	0.65 3935 29	0.55 3805 29						
60	1302	NSP BTUH NC			3.05 4355 36	2.35 4520 34	1.85 4660 32	1.50 4705 31	1.25 4675 30	1.05 4590 30	0.90 4480 29	0.75 4350 29	0.65 4210 29	0.60 4075 29	0.50 3940 29				
65	1411	NSP BTUH NC				2.75 4730 36	2.15 4895 34	1.75 5000 32	1.45 5020 31	1.20 4970 30	1.05 4875 30	0.90 4755 30	0.80 4615 30	0.70 4470 30	0.60 4325 30	0.55 4180 30			
70	1519	NSP BTUH NC				3.20 4990 36	2.50 5105 35	2.05 5250 34	1.70 5230 32	1.40 5315 31	1.20 5245 30	1.05 5140 30	0.90 5010 30	0.80 4865 30	0.70 4715 30	0.65 4560 30	0.55 4475 30	0.50 4490 31	
75	1628	NSP BTUH NC					2.90 5325 36	2.35 5465 35	1.95 5578 34	1.65 5615 32	1.40 5590 32	1.20 5505 31	1.05 5390 31	0.90 5250 31	0.80 5100 31	0.70 4940 31	0.65 5070 31	0.60 4865 31	0.55 4715 31
80	1736	NSP BTUH NC						2.65 5665 36	2.20 5800 35	1.85 5880 34	1.60 5895 33	1.35 5845 32	1.20 5750 31	1.05 5620 31	0.90 5475 31	0.80 5315 31	0.75 5460 31	0.65 5245 31	0.60 5085 31
85	1845	NSP BTUH NC						3.00 5895 37	2.50 6000 36	2.10 6110 35	1.80 6160 34	1.55 6150 33	1.35 6080 32	1.20 5970 32	1.05 5835 32	0.95 5680 31	0.85 5845 31	0.75 5625 31	0.70 5455 32
90	1953	NSP BTUH NC							2.80 6205 37	2.35 6315 36	2.00 6400 35	1.70 6385 34	1.50 6300 33	1.30 6180 32	1.15 6030 32	1.05 6220 32	0.95 6000 32	0.85 5825 32	0.75 5585 32
95	2062	NSP BTUH NC							3.10 6445 37	2.60 6510 37	2.25 6605 36	1.90 6660 35	1.65 6600 34	1.45 6500 33	1.30 6365 32	1.15 6585 32	1.05 6360 32	0.95 6185 32	0.85 5985 32
100	2170	NSP BTUH NC								2.90 6720 38	2.45 6800 37	2.15 6875 36	1.85 6905 35	1.65 6875 34	1.45 6800 33	1.30 6680 33	1.15 6935 33	1.05 6715 33	0.95 6540 33
105	2279	NSP BTUH NC								3.20 6975 38	2.70 6995 38	2.35 7070 37	2.05 7125 36	1.80 7070 35	1.60 7125 34	1.40 6975 34	1.25 7265 33	1.15 7050 33	1.05 6885 33
110	2387	NSP BTUH NC									3.00 7210 38	2.55 7255 37	2.25 7320 36	1.95 7345 35	1.75 7320 34	1.55 7250 34	1.40 7570 34	1.25 7370 34	1.15 7215 34
115	2496	NSP BTUH NC										2.80 7455 38	2.45 7505 37	2.15 7545 36	1.90 7500 35	1.70 7855 35	1.50 7675 35	1.40 7530 34	1.25 7530 34
120	2604	NSP BTUH NC											3.05 7680 39	2.65 7690 38	2.35 7730 37	2.10 7750 36	1.85 7725 35	1.65 7955 35	1.50 7825 35
125	2713	NSP BTUH NC												2.90 7890 39	2.55 7910 38	2.25 7935 37	2.00 8360 36	1.80 8215 36	1.65 8105 36
130	2821	NSP BTUH NC												3.15 8120 39	2.75 8090 39	2.45 8110 38	2.15 8115 37	1.95 8580 36	1.75 8450 36
135	2930	NSP BTUH NC													2.95 8295 40	2.65 8285 39	2.35 8290 38	2.10 8780 37	1.90 8600 37
140	3038	NSP BTUH NC													3.20 8540 40	2.85 8470 39	2.50 8465 38	2.25 8965 37	2.05 8870 37
145	3147	NSP BTUH NC														3.05 8680 40	2.70 8640 39	2.45 9145 38	2.20 9060 38
150	3255	NSP BTUH NC															2.90 8825 40	2.60 9320 39	2.35 9235 38
155	3364	NSP BTUH NC																3.10 9040 40	2.75 9505 40

REFERS TO NOTES ON PAGE 13.

TABLE 2
LOW VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE D																
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																
			20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
45	977	NSP BTUH NC	1.90 2910 33	1.30 3030 31	0.95 3060 30	0.75 3055 29	0.60 3035 29												
50	1085	NSP BTUH NC	2.35 3090 36	1.65 3270 32	1.20 3345 31	0.90 3355 30	0.70 3340 30	0.60 3310 30											
55	1194	NSP BTUH NC	2.85 3275 37	1.95 3475 34	1.45 3605 32	1.10 3645 31	0.90 3635 30	0.70 3610 30	0.60 3575 30										
60	1302	NSP BTUH NC		2.35 3655 36	1.70 3830 33	1.30 3910 32	1.05 3925 31	0.85 3905 31	0.70 3870 30	0.60 3825 30									
65	1411	NSP BTUH NC		2.75 3830 38	2.00 4025 35	1.55 4150 33	1.20 4195 32	1.00 4190 31	0.80 4160 31	0.70 4115 31	0.60 4065 31	0.50 4015 31							
70	1519	NSP BTUH NC			2.35 4195 37	1.80 4360 34	1.40 4445 33	1.15 4465 32	0.95 4440 31	0.80 4400 31	0.70 4345 31	0.60 4290 31	0.50 4235 31						
75	1628	NSP BTUH NC			2.70 4370 38	2.05 4545 36	1.65 4670 34	1.30 4720 33	1.10 4715 32	0.90 4680 32	0.80 4630 32	0.65 4565 32	0.60 4500 32	0.50 4440 32					
80	1736	NSP BTUH NC			3.05 4570 39	2.35 4715 37	1.85 4870 35	1.50 4950 34	1.25 4970 33	1.05 4950 32	0.90 4905 32	0.75 4840 32	0.65 4770 32	0.60 4700 32	0.55 4630 32				
85	1845	NSP BTUH NC				2.65 4885 38	2.10 5050 36	1.70 5165 35	1.40 5210 34	1.20 5210 33	1.00 5170 33	0.85 5110 32	0.75 5040 32	0.65 4965 32	0.60 4885 32	0.50 4805 32			
90	1953	NSP BTUH NC				2.95 5075 39	2.35 5215 37	1.90 5355 36	1.55 5430 34	1.30 5450 34	1.10 5430 33	0.95 5375 33	0.85 5310 33	0.75 5230 33	0.65 5145 33	0.60 5060 33	0.55 5365 33		
95	2062	NSP BTUH NC					2.60 5360 39	2.10 5530 37	1.75 5635 35	1.45 5660 34	1.25 5675 34	1.10 5635 33	0.95 5570 33	0.85 5490 33	0.75 5405 33	0.65 5310 33	0.60 5630 33	0.55 5510 33	
100	2170	NSP BTUH NC					2.90 5560 39	2.35 5690 36	1.95 5815 35	1.65 5890 34	1.40 5905 34	1.20 5880 34	1.05 5825 34	0.90 5750 33	0.80 5660 33	0.70 5565 33	0.65 5900 34	0.60 5770 34	0.55 5655 34
105	2279	NSP BTUH NC					3.20 5780 39	2.60 5855 39	2.15 5985 37	1.80 6060 36	1.55 6120 35	1.30 6110 34	1.15 6070 34	1.00 6000 34	0.90 5915 34	0.80 5815 34	0.70 6165 34	0.65 6030 34	0.60 5905 34
110	2387	NSP BTUH NC						2.85 6025 40	2.35 6145 36	1.95 6255 37	1.70 6370 36	1.45 6330 35	1.25 6300 35	1.10 6240 34	1.00 6160 34	0.90 6065 34	0.80 6430 34	0.70 6290 34	0.65 6160 34
115	2496	NSP BTUH NC						3.10 6230 40	2.55 6305 39	2.15 6420 38	1.85 6503 36	1.60 6535 35	1.40 6525 35	1.20 6475 35	1.05 6400 34	0.95 6305 34	0.85 6695 34	0.75 6545 34	0.70 6410 34
120	2604	NSP BTUH NC							2.80 6470 40	2.35 6575 39	2.00 6675 38	1.70 6725 37	1.50 6730 36	1.30 6695 35	1.15 6630 35	1.05 6545 35	0.95 6950 35	0.85 6800 35	0.75 6665 35
125	2713	NSP BTUH NC							3.05 6660 40	2.55 6730 40	2.15 6835 36	1.90 6905 37	1.65 6925 36	1.45 6908 35	1.30 6855 35	1.15 6775 35	1.00 7200 35	0.90 7055 35	0.85 6915 35
130	2821	NSP BTUH NC								2.75 6895 40	2.35 6985 39	2.00 7070 38	1.75 7110 37	1.55 7105 36	1.35 7065 36	1.20 6995 36	1.10 7445 36	1.00 7300 36	0.90 7160 36
135	2930	NSP BTUH NC								2.95 7075 41	2.55 7140 40	2.20 7225 39	1.90 7280 38	1.65 7295 37	1.50 7265 36	1.30 7205 36	1.20 7685 36	1.05 7540 36	0.95 7400 36
140	3038	NSP BTUH NC								3.20 7290 41	2.70 7295 40	2.35 7375 39	2.05 7440 38	1.80 7470 37	1.60 7455 37	1.40 7410 37	1.25 7915 37	1.15 7775 37	1.05 7640 37
145	3147	NSP BTUH NC									2.90 7470 41	2.50 7520 40	2.20 7590 39	1.90 7635 38	1.70 7600 37	1.50 8130 37	1.35 8000 37	1.25 7870 37	1.10 7780 37
150	3255	NSP BTUH NC									3.10 7670 41	2.70 7675 40	2.35 7740 39	2.05 7790 38	1.80 7805 37	1.65 7785 37	1.45 8340 37	1.30 8220 37	1.20 8095 37
155	3364	NSP BTUH NC										2.85 7840 41	2.50 7885 40	2.20 7935 39	1.95 7965 38	1.75 7955 38	1.55 8540 38	1.40 8425 38	1.30 8310 38
160	3472	NSP BTUH NC										3.05 8030 42	2.65 8030 41	2.35 8080 40	2.10 8115 39	1.85 8115 38	1.65 8725 38	1.50 8625 38	1.35 8515 38
165	3581	NSP BTUH NC											2.85 8195 42	2.50 8220 41	2.20 8260 40	1.95 8270 39	1.75 8905 39	1.60 8815 38	1.45 8715 38

REFERS TO NOTES ON PAGE 13.

INDUCTION UNIT

HPL - NOZZLE E



TABLE 2
LOW VERTICAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE E																
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																
			20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
55	1194	NSP BTUH NC	1.80 3330 36	1.25 3380 33	0.95 3225 32	0.70 3355 32	0.55 3425 32												
60	1302	NSP BTUH NC	2.15 3185 38	1.50 3365 35	1.10 3475 33	0.85 3555 33	0.65 3625 32	0.55 3695 32											
65	1411	NSP BTUH NC	2.55 3335 39	1.75 3530 36	1.30 3670 34	1.00 3760 33	0.80 3825 33	0.65 3890 33	0.50 3950 33										
70	1519	NSP BTUH NC	2.95 3495 40	2.05 3685 37	1.60 3850 35	1.15 3955 34	0.90 4025 33	0.75 4085 33	0.60 4140 33	0.50 4190 33									
75	1628	NSP BTUH NC		2.35 3830 39	1.70 4015 36	1.30 4140 35	1.05 4220 34	0.85 4280 33	0.70 4330 33	0.60 4380 33									
80	1736	NSP BTUH NC		2.65 3980 40	1.95 4170 37	1.50 4315 36	1.20 4410 34	0.95 4475 34	0.80 4525 34	0.65 4570 34	0.55 4610 34								
85	1845	NSP BTUH NC		3.00 4145 41	2.20 4315 39	1.70 4480 37	1.35 4590 35	1.10 4665 34	0.90 4720 34	0.75 4760 34	0.65 4790 34	0.55 4825 34							
90	1953	NSP BTUH NC			2.50 4455 40	1.90 4630 38	1.50 4760 35	1.20 4850 35	1.00 4910 34	0.85 4950 34	0.70 4980 34	0.60 5005 34	0.55 5025 34						
95	2062	NSP BTUH NC			2.75 4605 41	2.10 4775 39	1.65 4925 37	1.35 5025 36	1.10 5090 35	0.95 5135 35	0.80 5165 35	0.70 5185 35	0.55 5205 35	0.80 5220 35	0.55 5250 35				
100	2170	NSP BTUH NC			3.05 4770 41	2.35 4915 40	1.85 5075 38	1.50 5195 36	1.25 5270 36	1.05 5320 35	0.90 5350 35	0.75 5370 35	0.65 5380 35	0.60 5395 35	0.50 5400 35				
105	2279	NSP BTUH NC				2.60 5220 39	1.65 5350 37	1.35 5440 36	1.15 5495 36	1.00 5530 35	0.85 5550 35	0.75 5560 35	0.65 5565 35	0.55 5570 35	0.50 5570 35				
110	2387	NSP BTUH NC				2.85 5205 42	2.25 5360 40	1.80 5500 38	1.50 5605 37	1.25 5670 36	1.05 5710 36	0.95 5731 35	0.80 5740 35	0.70 5740 35	0.65 5735 35	0.55 5735 35	0.50 6290 36		
115	2496	NSP BTUH NC				3.10 5375 42	2.45 5495 41	2.00 5645 39	1.65 5780 38	1.40 5840 37	1.15 5885 36	1.00 5910 36	0.90 5920 36	0.75 5910 36	0.60 5900 36	0.55 6465 36	0.50 6610 36		
120	2604	NSP BTUH NC					2.65 5635 42	2.15 5780 40	1.80 5910 38	1.50 6000 37	1.30 6055 37	1.10 6085 36	0.95 6095 36	0.85 6095 36	0.75 6085 36	0.65 6070 36	0.60 6645 36	0.55 6610 36	
125	2713	NSP BTUH NC					2.90 5785 42	2.35 5915 41	1.95 6050 39	1.65 6150 38	1.40 6215 37	1.20 6250 37	1.05 6265 36	0.90 6265 36	0.80 6255 36	0.70 6235 36	0.65 6825 37	0.60 6785 37	0.55 6725 37
130	2821	NSP BTUH NC					3.15 5960 42	2.55 6050 40	2.10 6190 38	1.75 6300 37	1.50 6375 37	1.30 6415 37	1.15 6435 37	1.00 6435 36	0.90 6425 36	0.80 7005 37	0.70 6960 37	0.65 6895 37	0.55 6895 37
135	2930	NSP BTUH NC						2.75 6190 42	2.25 6320 41	1.90 6440 39	1.60 6525 38	1.40 6575 38	1.20 6600 37	1.05 6605 37	0.95 6595 37	0.85 7185 37	0.75 7140 37	0.60 7065 37	0.55 7065 37
140	3038	NSP BTUH NC						2.95 6345 43	2.45 6450 42	2.05 6575 40	1.75 6670 39	1.50 6730 38	1.30 6760 38	1.15 6770 37	1.00 6760 37	0.90 7365 37	0.80 7315 37	0.75 7235 37	0.65 7235 37
145	3147	NSP BTUH NC						3.15 6515 43	2.60 6585 42	2.20 6705 41	1.85 6810 40	1.60 6860 39	1.40 6920 38	1.25 6930 37	1.10 6925 37	0.95 7545 37	0.85 7490 37	0.80 7410 37	0.70 7410 37
150	3255	NSP BTUH NC							2.80 6725 43	2.35 6835 42	2.00 6940 40	1.70 7020 39	1.50 7070 38	1.30 7090 38	1.15 7085 38	1.05 7720 37	0.95 7665 37	0.85 7580 37	0.75 7580 37
155	3364	NSP BTUH NC							3.00 6880 43	2.50 6965 42	2.15 7070 41	1.85 7160 40	1.60 7215 39	1.40 7240 38	1.25 7240 38	1.10 7900 38	1.00 7840 38	0.90 7750 38	0.80 7750 38
160	3472	NSP BTUH NC							3.20 7055 43	2.65 7100 42	2.25 7200 41	1.95 7355 40	1.70 7390 39	1.50 7395 38	1.35 7380 38	1.20 8070 38	1.05 8015 38	0.95 7920 38	0.85 7920 38
165	3581	NSP BTUH NC								2.85 7240 43	2.40 7325 42	2.10 7420 41	1.80 7490 40	1.60 7530 39	1.40 7535 39	1.25 8240 38	1.15 8185 38	1.00 8090 38	0.95 8090 38
170	3689	NSP BTUH NC								3.00 7395 44	2.55 7455 43	2.20 7545 42	1.95 7620 41	1.70 7690 40	1.50 7685 39	1.35 8355 39	1.20 8355 39	1.10 8260 39	1.00 8260 39
175	3798	NSP BTUH NC								3.20 7565 44	2.70 7590 43	2.35 7670 42	2.05 7745 41	1.80 7800 41	1.60 7830 40	1.40 8570 39	1.25 8570 39	1.15 8520 39	1.05 8425 39

REFERS TO NOTES ON PAGE 13.

TABLE 3
HORIZONTAL SELECTION

PRIMARY AIR			NOZZLE A																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
10	217	NSP BTUH NC	0.80 1200 18	0.50 875 18																
15	326	NSP BTUH NC	1.85 2020 23	1.15 1875 20	0.80 1610 19	0.60 1325 19														
20	434	NSP BTUH NC	3.25 2710 28	2.10 2490 25	1.45 2435 22	1.05 2255 21	0.80 2005 20													
25	543	NSP BTUH NC		3.25 3175 28	2.25 2940 26	1.65 2930 24	1.25 2820 22	1.00 2625 21	0.80 2390 21											
30	651	NSP BTUH NC			3.25 3640 28	2.40 3385 27	1.85 3375 25	1.45 3330 24	1.15 3190 23	1.00 2990 22	0.80 2765 22	0.70 2525 22								
35	760	NSP BTUH NC				3.25 4090 29	2.50 3825 28	1.95 3820 26	1.60 3800 25	1.30 3700 24	1.00 3545 23	0.95 3345 23	0.80 3120 23	0.70 2890 23						
40	868	NSP BTUH NC					3.25 4535 29	2.55 4235 29	2.10 4230 27	1.75 4240 26	1.45 4180 25	1.25 4055 24	1.05 3885 24	0.95 3685 24						
45	977	NSP BTUH NC						3.25 4975 30	2.65 4655 30	2.20 4645 28	1.85 4660 27	1.55 4625 26	1.35 4535 25	1.15 4395 25						
50	1085	NSP BTUH NC							3.25 5405 30	2.70 5070 30	2.25 5045 29	1.95 5065 28	1.65 5050 27	1.45 4985 26						
55	1194	NSP BTUH NC								3.25 5830 31	2.75 5480 31	2.35 5435 30	2.01 5455 29	1.75 5455 28						
60	1302	NSP BTUH NC									3.25 6245 31	2.75 5885 31	2.40 5820 30	2.10 5835 29						
65	1411	NSP BTUH NC										3.25 6655 32	2.80 6280 32	2.45 6200 31						
70	1519	NSP BTUH NC											3.25 7055 32	2.85 6675 32						
75	1628	NSP BTUH NC												3.25 7750 32						

NOTE: Capacities in Table 3 are based on the following conditions:

- BTUH = Secondary coil sensible cooling capacity.
NC = (Noise Criteria) The sound pressure levels in a medium room based on the following room effect.

Center Frequency	125	250	500	1000	2000	4000	8000
Room Absorption (DB)	3.0	6.9	7.5	8.5	8.5	8.6	8.5
- GPM = 1.5 for 16" - 72" units with A and H coils
= 2.0 for 76" - 84" units with A coil
= 2.5 for 76" - 84" units with H coil
See adjustment factor table for other flow rates
- ΔT (Room design temp. - Entering water temp.) = 25°F.
See Adjustment factor table for other ΔT's.
The factors are computed using the formula $\frac{x}{25}$ where x the T other than 25.
- Four pipe, two-coil system adjustment factor for cooling and heating is 0.90.
- H coil (8 tube) capacity adjustment factors are as follows:

Nozzle	A	B	X	C	D	E
HPV & HPH	1.075	1.075	1.10	1.10	1.10	1.075
HPL	1.10	1.10	1.10	1.11	1.15	1.175

INDUCTION UNIT

HPH - NOZZLE B



TABLE 3
HORIZONTAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE B																	
CFM	SENSIBLE COOLING CAPACITY AT 20° AT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
20	434	NSP BTUH NC	1.85 2240 26	1.15 2125 23	0.80 1890 22	0.60 1635 22														
25	543	NSP BTUH NC	2.85 2880 30	1.85 2595 28	1.25 2520 24	0.95 2335 23	0.70 2110 23	0.55 1880 23												
30	651	NSP BTUH NC		2.65 2965 30	1.85 2950 27	1.35 2905 26	1.05 2755 25	0.80 2555 25	0.65 2340 25	0.55 2125 25										
35	760	NSP BTUH NC			2.50 3280 30	1.85 3295 27	1.40 3270 26	1.10 3155 25	0.90 2980 24	0.75 2780 24	0.60 2570 24	0.55 2365 24								
40	868	NSP BTUH NC			3.25 3940 31	2.40 3610 30	1.85 3645 28	1.45 3630 26	1.15 3535 25	0.95 3385 25	0.80 3200 25	0.70 3005 25	0.60 2805 25							
45	977	NSP BTUH NC				3.00 4115 32	2.30 3940 30	1.85 3985 28	1.50 3985 27	1.20 3910 26	1.00 3775 26	0.85 3610 25	0.75 3425 25	0.65 3230 25						
50	1085	NSP BTUH NC					2.85 4360 32	2.25 4275 30	1.85 4325 29	1.50 4330 28	1.25 4270 27	1.10 4155 26	0.95 4005 26	0.80 3830 26						
55	1194	NSP BTUH NC						2.75 4640 32	2.20 4605 31	1.85 4660 29	1.55 4670 28	1.30 4625 27	1.10 4525 27	1.00 4385 27						
60	1302	NSP BTUH NC						3.25 5330 33	2.65 4940 32	2.15 4935 31	1.85 4990 30	1.55 5010 29	1.35 4970 28	1.15 4880 28						
65	1411	NSP BTUH NC							3.10 5500 34	2.55 5245 33	2.15 5265 31	1.85 5320 30	1.55 5340 29	1.35 5310 29						
70	1519	NSP BTUH NC								2.95 5720 34	2.50 5555 33	2.10 5590 32	1.85 5645 30	1.60 5670 30						
75	1628	NSP BTUH NC									2.85 5975 34	2.45 5870 33	2.10 5910 32	1.85 5970 31						
80	1736	NSP BTUH NC									3.25 6675 34	2.80 6245 34	2.40 6180 33	2.10 6230 32						
85	1845	NSP BTUH NC										3.15 6840 35	2.70 6525 34	2.35 6490 34						
90	1953	NSP BTUH NC											3.00 7045 35	2.65 6815 35						
95	2062	NSP BTUH NC												2.95 7275 35						

REFERS TO NOTES ON PAGE 19.

TABLE 3
HORIZONTAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE X																
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																
			16	20	24	28	32	36	40	44	48	52	56	60	68	72	76	80	84
30	651	NSP BTUH NC	2.65 2615 31	1.70 2640 27	1.15 2575 25	0.85 2425 24	0.65 2245 24												
35	760	NSP BTUH NC		2.30 2920 30	1.60 2965 27	1.15 2900 25	0.90 2760 25	0.70 2590 24											
40	868	NSP BTUH NC		3.00 3295 32	2.10 3245 30	1.50 3285 27	1.15 3220 26	0.95 3090 25	0.75 2925 25	0.60 2755 25									
45	977	NSP BTUH NC			2.65 3525 32	1.95 3570 29	1.50 3595 27	1.15 3530 26	0.95 3405 26	0.80 3250 26	0.65 3085 26								
50	1085	NSP BTUH NC				2.40 3825 32	1.85 3890 29	1.45 3905 28	1.15 3835 27	0.95 3720 26	0.80 3520 26	0.70 3405 26							
55	1194	NSP BTUH NC				2.90 4160 33	2.20 4135 31	1.75 4205 29	1.40 4205 28	1.15 4140 27	1.00 4020 27	0.85 3875 27	0.75 3720 27						
60	1302	NSP BTUH NC					2.65 4405 33	2.10 4450 31	1.70 4505 29	1.40 4500 28	1.15 4430 28	1.00 4320 27	0.85 4175 27	0.75 4025 27					
65	1411	NSP BTUH NC						2.45 4690 33	2.00 4760 31	1.65 4805 30	1.35 4790 29	1.15 4720 28	1.00 4605 28	0.85 4470 28					
70	1519	NSP BTUH NC						2.85 5005 34	2.30 4985 33	1.90 5060 31	1.60 5095 30	1.35 5075 29	1.15 5000 29	1.00 4890 28					
75	1628	NSP BTUH NC							2.65 5250 34	2.15 5285 32	1.85 5355 31	1.55 5380 30	1.35 5350 29	1.15 5275 29					
80	1736	NSP BTUH NC							3.00 5625 35	2.50 5525 34	2.10 5580 32	1.80 5645 31	1.50 5660 30	1.35 5625 30					
85	1845	NSP BTUH NC								2.80 5825 35	2.35 5805 34	2.00 5875 32	1.70 5925 31	1.50 5930 31					
90	1953	NSP BTUH NC									2.65 6060 35	2.25 6090 34	1.95 6155 32	1.70 6195 32					
95	2062	NSP BTUH NC									2.95 6410 36	2.50 6320 35	2.15 6370 34	1.90 6430 33					
100	2170	NSP BTUH NC									3.25 6925 37	2.75 6610 36	2.40 6590 35	2.10 6645 34					
105	2279	NSP BTUH NC										3.05 7015 36	2.65 6840 36	2.30 6855 35					
110	2387	NSP BTUH NC											2.90 7170 36	2.55 7085 36					
115	2496	NSP BTUH NC												2.75 7365 37					

REFERS TO NOTES ON PAGE 19.

INDUCTION UNIT

HPH - NOZZLE C



TABLE 3
HORIZONTAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE C																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
35	760	NSP BTUH NC	2.50 2665 32	1.60 2735 28	1.10 2680 26	0.80 2565 25	0.60 2445 25													
40	868	NSP BTUH NC	2.10 3000 31	1.45 3030 28	1.05 2960 26	0.80 2850 26	0.65 2735 26	0.50 2625 26												
45	977	NSP BTUH NC		2.65 3205 33	1.85 3310 30	1.35 3310 28	1.05 3325 27	0.80 3125 26	0.65 3015 26											
50	1085	NSP BTUH NC		3.25 3455 34	2.25 3530 32	1.65 3610 29	1.25 3585 28	1.00 3505 27	0.80 3400 27	0.65 3290 27										
55	1194	NSP BTUH NC			2.75 3730 34	2.00 3850 31	1.55 3895 29	1.20 3855 28	1.00 3770 27	0.80 3665 27	0.70 3555 27									
60	1302	NSP BTUH NC			3.25 3980 34	2.40 4050 33	1.85 4150 31	1.45 4165 29	1.15 4120 28	1.00 4030 28	0.80 3925 28									
65	1411	NSP BTUH NC				2.80 4240 35	2.15 4365 32	1.70 4435 30	1.40 4430 29	1.15 4375 29	0.95 4280 28	0.80 4175 28	0.70 4065 28							
70	1519	NSP BTUH NC				3.25 4490 35	2.50 4550 34	1.95 4665 32	1.60 4710 30	1.30 4690 29	1.10 4620 29	0.95 4530 29	0.80 4420 28	0.70 4310 28						
75	1628	NSP BTUH NC					2.85 4740 35	2.25 4860 33	1.85 4955 32	1.50 4975 30	1.25 4940 29	1.10 4865 29	0.95 4770 29	0.80 4660 29						
80	1736	NSP BTUH NC						2.60 5040 35	2.10 5160 33	1.75 5225 31	1.45 5230 30	1.25 5180 30	1.05 5100 29	0.95 5000 29						
85	1845	NSP BTUH NC						2.90 5230 36	2.35 5340 34	1.95 5445 33	1.65 5485 31	1.40 5475 30	1.20 5415 30	1.05 5330 30						
90	1953	NSP BTUH NC							2.65 5515 35	2.20 5635 34	1.85 5715 32	1.55 5735 31	1.35 5710 31	1.15 5645 30						
95	2062	NSP BTUH NC							2.95 5710 36	2.45 5810 35	2.05 5915 34	1.75 5975 32	1.50 5975 32	1.30 5935 31						
100	2170	NSP BTUH NC								2.70 5980 36	2.25 6100 35	1.90 6185 33	1.65 6220 32	1.45 6210 32						
105	2279	NSP BTUH NC								2.95 6175 37	2.50 6265 36	2.15 6375 35	1.85 6440 33	1.60 6455 33						
110	2387	NSP BTUH NC									2.75 6435 37	2.35 6545 36	2.00 6635 34	1.75 6685 33						
115	2496	NSP BTUH NC										2.55 6710 36	2.20 6815 35	1.90 6885 34						
120	2604	NSP BTUH NC										2.80 6880 37	2.40 6980 36	2.10 7070 35						
125	2713	NSP BTUH NC											2.60 7140 37	2.25 7240 36						
130	2821	NSP BTUH NC												2.45 7400 37						

REFERS TO NOTES ON PAGE 19.

TABLE 3
HORIZONTAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE D																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
45	977	NSP BTUH NC	2.30 2810 34	1.50 2885 30	1.05 2870 29	0.75 2820 28	0.80 2770 28													
50	1085	NSP BTUH NC	2.90 3000 36	1.85 3100 32	1.30 3130 30	0.95 3100 29	0.70 3050 28	0.60 3000 28												
55	1194	NSP BTUH NC		2.20 3280 34	1.55 3360 31	1.15 3360 30	0.85 3320 29	0.70 3270 29	0.55 3230 29											
60	1302	NSP BTUH NC		2.65 3445 36	1.85 3560 33	1.35 3605 31	1.05 3585 30	0.80 3540 29	0.65 3490 29	0.55 3445 29										
65	1411	NSP BTUH NC			2.15 3735 34	1.60 3820 32	1.20 3830 30	0.95 3800 30	0.80 3755 29	0.65 3705 29	0.55 3660 29									
70	1519	NSP BTUH NC			2.50 3900 36	1.85 4015 33	1.40 4060 31	1.10 4050 30	0.90 4010 30	0.75 3965 30	0.60 3915 30	0.55 3865 30								
75	1628	NSP BTUH NC				2.10 4180 35	1.60 4265 32	1.30 4285 31	1.05 4260 30	0.85 4217 30	0.70 4165 30	0.60 4115 30	0.55 4065 30							
80	1736	NSP BTUH NC				2.40 4340 36	1.85 4450 34	1.45 4500 32	1.15 4500 31	0.95 4465 31	0.80 4415 30	0.70 4360 30	0.60 4310 30	0.50 4260 30						
85	1845	NSP BTUH NC				2.71 4495 37	2.05 4615 35	1.65 4700 33	1.30 4720 32	1.10 4705 31	0.90 4660 31	0.80 4605 31	0.70 4550 31	0.60 4495 31						
90	1953	NSP BTUH NC					2.32 4770 36	1.85 4875 34	1.50 4930 33	1.25 4930 32	1.05 4900 31	0.85 4850 31	0.75 4795 31	0.65 4735 31						
95	2062	NSP BTUH NC						2.05 5040 35	1.65 5120 34	1.35 5140 32	1.15 5125 32	1.00 5085 31	0.85 5030 31	0.75 4975 31						
100	2170	NSP BTUH NC						2.25 5190 36	1.85 5290 35	1.50 5340 33	1.25 5345 32	1.10 5315 32	0.95 5265 32	0.80 5210 32						
105	2279	NSP BTUH NC						2.60 5335 37	2.00 5450 36	1.65 5525 34	1.40 5550 33	1.20 5535 32	1.05 5495 32	0.90 5440 32						
110	2387	NSP BTUH NC						2.75 5500 38	2.20 5600 37	1.85 5695 35	1.55 5740 34	1.30 5745 33	1.15 5715 33	1.00 5665 32						
115	2496	NSP BTUH NC						3.00 5860 39	2.45 5740 38	2.00 5850 36	1.70 5920 35	1.45 5940 34	1.25 5925 33	1.10 5885 33						
120	2604	NSP BTUH NC							2.64 5885 38	2.20 5995 37	1.85 6085 35	1.55 6125 34	1.35 6130 34	1.15 6100 33						
125	2713	NSP BTUH NC							2.85 6040 39	2.35 6135 38	2.00 6235 36	1.70 6300 35	1.45 6320 34	1.25 6305 34						
130	2821	NSP BTUH NC							3.10 6225 39	2.55 6275 39	2.15 6380 37	1.85 6460 36	1.55 6500 35	1.35 6500 34						
135	2930	NSP BTUH NC								2.75 6420 39	2.30 6520 38	2.00 6610 37	1.70 6665 36	1.50 6685 35						
140	3038	NSP BTUH NC								2.95 6585 40	2.50 6655 39	2.15 6750 38	1.85 6825 36	1.60 6855 35						
145	3147	NSP BTUH NC									2.65 6795 40	2.25 6885 38	1.95 6975 37	1.70 7020 36						
150	3255	NSP BTUH NC										2.45 7020 40	2.10 7110 39	1.85 7175 38						
155	3364	NSP BTUH NC											2.60 7155 40	2.25 7245 39						
160	3472	NSP BTUH NC												2.10 7460 38						

REFERS TO NOTES ON PAGE 19.

INDUCTION UNIT

HPH - NOZZLE E



TABLE 3
HORIZONTAL SELECTION (CONTINUED)

PRIMARY AIR			NOZZLE E																	
CFM	SENSIBLE COOLING CAPACITY AT 20° ΔT (BTUH)		UNIT SIZE																	
			16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84
55	1194	NSP BTUH NC	2.20 2980 37	1.40 3075 33	1.00 3120 31	0.75 3155 31	0.55 3200 30													
60	1302	NSP BTUH NC	2.65 3135 38	1.70 3245 34	1.15 3310 32	0.85 3345 31	0.65 3385 31	0.50 3430 31												
65	1411	NSP BTUH NC	3.10 3310 37	2.00 3400 36	1.40 3490 33	1.00 3535 32	0.50 3570 31	0.60 3610 31												
70	1519	NSP BTUH NC		2.30 3545 38	1.60 3655 34	1.15 3720 33	0.90 3755 32	0.70 3790 31	0.50 3830 31											
75	1628	NSP BTUH NC		2.65 3690 39	1.85 3810 36	1.35 3890 33	1.05 3940 32	0.80 3975 32	0.65 4005 32	0.55 4050 32										
80	1736	NSP BTUH NC		3.00 3850 40	2.10 3950 37	1.55 4055 34	1.15 4115 33	0.95 4155 32	0.75 4185 32	0.60 4220 32	0.50 4255 32									
85	1845	NSP BTUH NC			2.35 4090 38	1.75 4205 36	1.35 4285 34	1.05 4330 33	0.85 4365 32	0.70 4395 32	0.60 4425 32									
90	1953	NSP BTUH NC			2.65 4225 40	1.95 4350 37	1.50 4445 35	1.15 4505 34	0.95 4540 33	0.80 4565 33	0.65 4595 33	0.55 4625 33								
95	2062	NSP BTUH NC				2.15 4485 38	1.65 4595 36	1.30 4665 34	1.05 4710 33	0.90 4740 33	0.75 4765 33	0.65 4790 33	0.55 4815 33							
100	2170	NSP BTUH NC				2.40 4620 39	1.85 4740 37	1.45 4825 35	1.15 4875 34	1.00 4910 33	0.80 4935 33	0.70 4955 33	0.60 4975 33	0.50 5000 33						
105	2279	NSP BTUH NC					2.05 4875 38	1.60 4975 36	1.30 5035 35	1.05 5075 34	0.90 5100 34	0.75 5120 34	0.65 5135 34	0.55 5155 34						
110	2387	NSP BTUH NC					2.20 5000 39	1.75 5115 37	1.40 5190 35	1.15 5240 34	1.00 5265 34	0.85 5285 34	0.75 5300 34	0.65 5315 34						
115	2496	NSP BTUH NC					2.43 5130 40	1.90 5250 38	1.55 5340 36	1.25 5395 35	1.05 5430 34	0.90 5450 34	0.80 5460 34	0.70 5470 34						
120	2604	NSP BTUH NC						2.10 5380 38	1.70 5480 37	1.40 5550 36	1.15 5590 35	1.00 5610 35	0.85 5625 34	0.75 5630 34						
125	2713	NSP BTUH NC						2.25 5500 39	1.85 5615 38	1.50 5695 36	1.25 5740 35	1.10 5770 35	0.95 5765 35	0.80 5790 35						
130	2821	NSP BTUH NC							2.00 5740 38	1.65 5835 37	1.35 5890 36	1.20 5925 35	1.00 5940 35	0.85 5950 35						
135	2930	NSP BTUH NC							2.15 5865 39	1.75 5965 38	1.50 6035 37	1.25 6075 36	1.10 6095 35	0.95 6105 35						
140	3038	NSP BTUH NC							2.30 5985 40	1.90 6095 38	1.60 6175 37	1.35 6220 36	1.15 6250 36	1.00 6260 36						
145	3147	NSP BTUH NC								2.05 6215 39	1.70 6305 38	1.45 6365 37	1.25 6400 36	1.10 6410 36						
150	3255	NSP BTUH NC								2.20 6335 40	1.85 6430 38	1.55 6500 37	1.35 6540 36	1.15 6560 36						
155	3364	NSP BTUH NC									1.95 6555 39	1.65 6630 36	1.45 6680 37	1.25 6705 37						
160	3472	NSP BTUH NC									2.10 6675 40	1.80 6760 39	1.55 6815 38	1.35 6850 37						
165	3581	NSP BTUH NC									2.20 6790 41	1.90 6880 39	1.60 6945 38	1.40 6985 38						
170	3689	NSP BTUH NC										2.00 7000 40	1.75 7070 39	1.50 7120 38						
175	3798	NSP BTUH NC											1.85 7195 39	1.60 7250 38						

REFERS TO NOTES ON PAGE 19.

TABLE 4
ADJUSTMENT FACTORS FOR VARIOUS Δ T ROOM-ENTERING WATER

ΔT (°F)	MULTIPLIER
20	0.80
21	0.84
22	0.88
23	0.92
24	0.96
25	1.00
26	1.04
27	1.08
28	1.12
29	1.16

TABLE 5
ADJUSTMENT FACTORS FOR VARIOUS WATER FLOW RATES/A AND H COIL

MODEL SIZE / GPM	ALL MODELS								
	20	28	36	44	52	60	68	76	84
0.8	0.893	0.877	0.855	0.847	0.840	0.833	0.833	0.725	0.725
1.0	0.935	0.926	0.917	0.917	0.913	0.909	0.909	0.800	0.800
1.2	0.962	0.962	0.962	0.952	0.952	0.952	0.942	0.847	0.847
1.4	0.990	0.990	0.990	0.990	0.990	0.990	0.980	0.893	0.893
1.5	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.926	0.926
1.6	1.010	1.010	1.010	1.010	1.020	1.020	1.020	0.943	0.943
1.8	1.030	1.030	1.030	1.030	1.040	1.040	1.040	0.971	0.971
2.0	1.050	1.050	1.050	1.050	1.050	1.060	1.070	1.000	1.000
2.2	1.050	1.060	1.060	1.060	1.070	1.080	1.090	1.030	1.030
2.4	1.060	1.060	1.080	1.090	1.090	1.100	1.120	1.040	1.040
2.6	1.080	1.090	1.090	1.100	1.100	1.100	1.130	1.060	1.060
2.8	1.090	1.090	1.090	1.100	1.110	1.120	1.150	1.080	1.080
3.0	1.090	1.100	1.100	1.100	1.120	1.120	1.160	1.090	1.090

TABLE 6
GRAVITY HEATING CAPACITIES (BTUH/°ITD)

COIL LENGTH	MODEL HPV		MODEL HPL	
	BTUH/°ITD		BTUH/°ITD	
	A COIL	H COIL	A COIL	H COIL
16	21	23		
20	27	30	12	17
24	33	36	15	22
28	38	42	18	26
32	44	48	20	29
36	49	54	23	33
40	54	59	25	36
44	60	66	28	40
48	65	72	30	44
52	71	78	32	47
56	77	84	35	51
60	82	90	37	54
64	88	97	40	58
68	93	102	42	61
72	98	108	45	65
76	104	114	47	68
80	110	121	50	73
84	116	127	53	77

TABLE 7
GRAVITY HEATING ADJUSTMENT FACTORS FOR VARIOUS WATER FLOW RATES

WATER FLOW RATE (GPM)	MULTIPLIER
0.5	0.909
0.6	0.926
0.7	0.935
0.8	0.941
1.0	0.962
1.2	0.971
1.5	1.000
2.0	1.040
2.5	1.050
3.0	1.080

1. HPV AA coil capacity is 0.70 x A coil capacity.
2. HPV HH coil capacity is 0.95 x H coil capacity.
3. HPL AA coil capacity is 0.90 x A coil capacity.
4. HPL HH coil capacity is 0.80 x H coil capacity.
5. Gravity heating cannot be shown for horizontal units

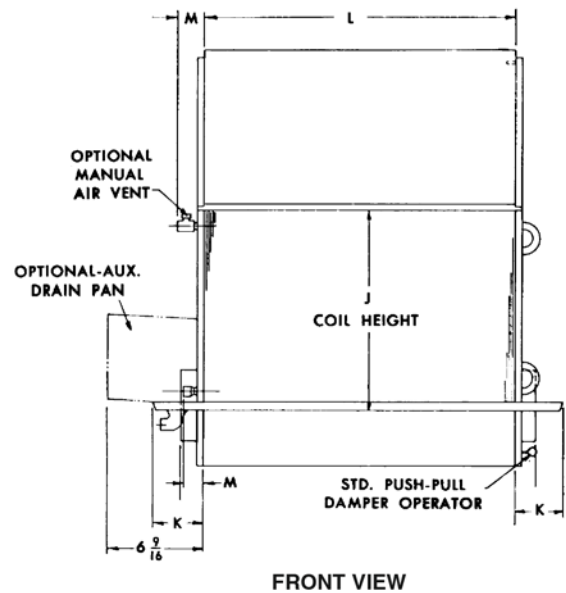
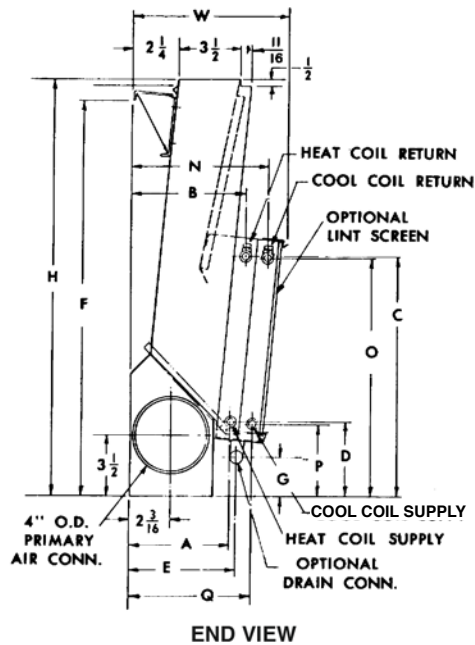
TABLE 8
COIL PRESSURE DROP (FEET OF WATER)

GPM		0.7	0.8	1.0	1.2	1.5	1.7	2.0	2.5	3.0
P.D.	A COIL (16" - 72")	2.5	3.1	4.7	6.5	10	12.5	17	25	35
	H COIL (16" - 72")	2.5	3.1	4.7	6.5	10	12.5	17	25	31
	A COIL (76" - 84")			2.9	4.0	6.0	7.5	10	15	21
	H COIL (76" - 94")			1.9	2.7	4.0	5.0	7.0	10	14

INDUCTION UNIT

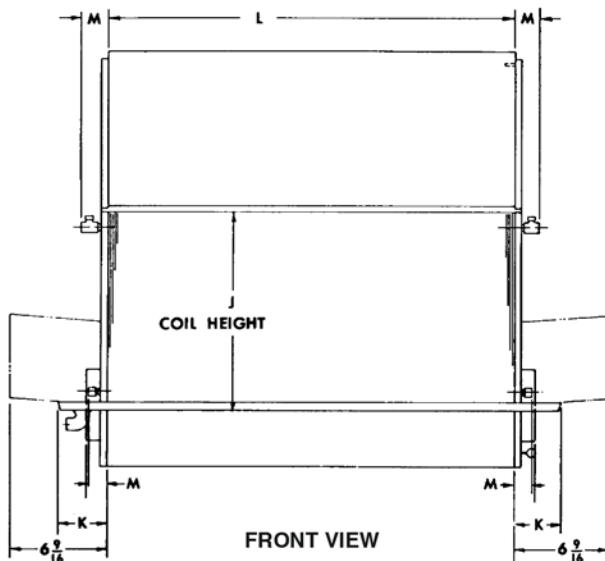
ROUGHING IN (VERTICAL UNITS)

DIMENSION DRAWINGS



MODEL	A	B	C	D	E	F	G	H	J	K	N	O	P	Q	W
HPV-A	5 1/8	6 1/6	12 7/8	4 5/8	5 3/8	21 5/8	2 1/2	23	11	3					7 1/8
HPV-H	6 5/16	7 3/8	14 5/8	3	6 7/16	21 5/8	1 1/8	23	13 3/8	3					8 1/2
HPV-AA	5 3/8	6 1/16	12 7/8	4 5/8	5 5/8	21 5/8	1 3/16	23	11	3 1/2	7 1/16	12 13/16	4 9/16	6 3/8	8 1/8
HPV-HH	6 7/16	7 3/8	14 5/8	3	6 13/16	21 5/8		23	13 3/8	3 1/2	8 3/8	14 1/2	2 7/8	7 7/16	9 1/2

* ALL DIMENSIONS APPROXIMATE. CERTIFIED DRAWINGS AVAILABLE ON REQUEST.



DIMENSION L

SINGLE AND DOUBLE COIL UNITS	
UNIT LENGTH 'L'	16-84 in 4" increments

DIMENSION M

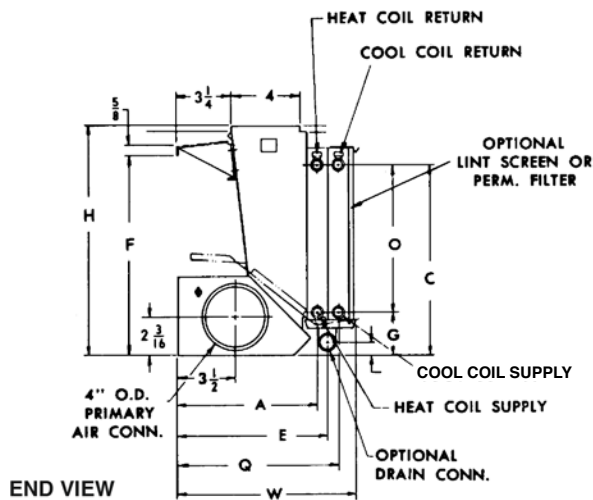
SWEAT CONNECTIONS (1/2" FEMALE SWEAT)				
UNIT LENGTH	SUPPLY		RETURN	
			W/AIR VENT	W/O AIR VENT
SINGLE COIL (HPV-A; HPV-H)				
16-72	M	1 1/4	1 5/8	1 1/4
76-84 ¹	M	2 1/16	3 5/16	2 1/16
76-84 ²	M	2 1/16	1 5/8	1 1/4
DOUBLE COIL (HPV-AA; HPV-HH)				
16-72	M	1 1/4	1 5/8	1 1/4
76-84 ³	M	2 1/16	1 5/8	1 1/4
76-84 ⁴	M	2 1/16	3 5/16	2 1/16

NOTES:

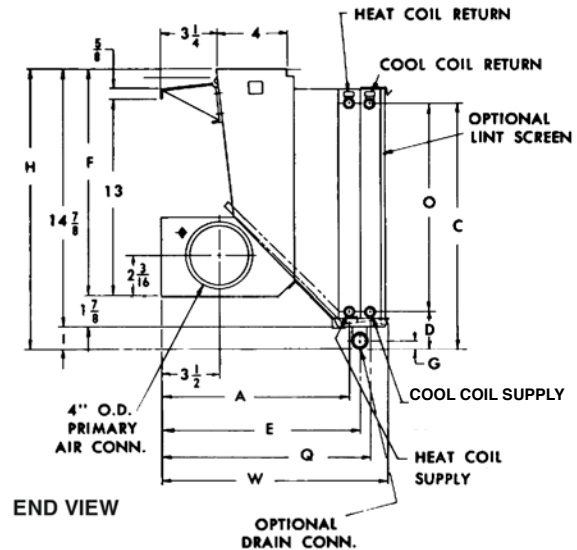
- Coil and drain connections may be furnished left- or right-handed as ordered.
- Heat coil connections may be furnished on end opposite cool coil connections
- Coil and drain connections shown left hand.
- Female coil connections are for 1/2 O.D. copper tubes.
- Drain connection for 5/8 O.D. copper.
- Primary air inlet provided on each end of unit. Rosemex end cap installed on appropriate inlet by contractor.
- Also available an inverted vertical model (HPV-I).

- HPV-A only.
- HPV-H only.
- HPV-AA only.
- HPV-HH only.

STANDARD



HIGH CAPACITY



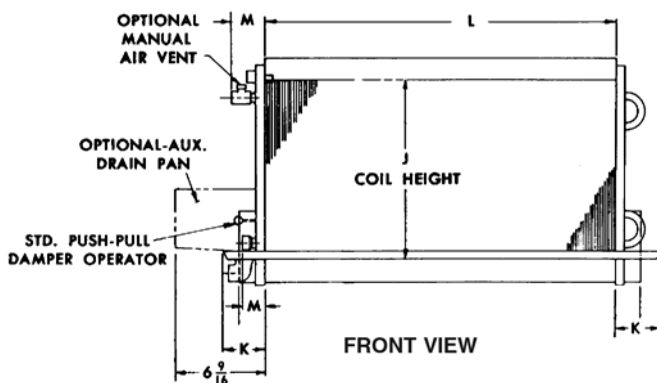
STANDARD

MODEL	A	C	D	E	F	G	H	J	K	O	Q	W
HPL-A	8 1/8	10 11/16	2 3/8	8 1/16	11 1/16	3/4	13	10	3	8 5/16		9
HPL-AA	8 1/8	10 11/16	2 3/8	8 1/16	11 1/16	3/4	13	10	3 1/2	8 5/16	9 1/16	10

HIGH CAPACITY

MODEL	A	C	D	E	F	G	H	J	K	O	Q	W
HPL-H	10 1/8	13 1/2	1 7/8	10 1/8	11 1/16	7/16	15 7/8	13 3/8	3	11 5/8		11
HPL-HH	10 1/8	13 1/2	1 7/8	10 1/8	11 1/16	7/16	15 7/16	13 3/8	3 1/2	11 5/8	11 1/8	12

* ALL DIMENSIONS APPROXIMATE. CERTIFIED DRAWINGS AVAILABLE ON REQUEST.



DIMENSION M

SWEAT CONNECTIONS (1/2 FEMALE SWEAT)				
UNIT LENGTH	SUPPLY	RETURN		
		W/AIR VENT	W/O AIR VENT	
SINGLE COIL (HPL-A; HPL-H)				
20-72	M	1 1/4	1 5/8	1 1/4
76-84 ¹	M	2 1/16	1 5/8	1 1/4
76-84 ²	M	2 1/16	3 5/16	2 1/16
DOUBLE COIL (HPL-AA; HPL-HH)				
20-72	M	1 1/4	1 5/8	1 1/4
76-84 ³	M	2 1/16	1 5/8	1 1/4
76-84 ⁴	M	2 1/16	3 5/16	2 1/16

DIMENSION L

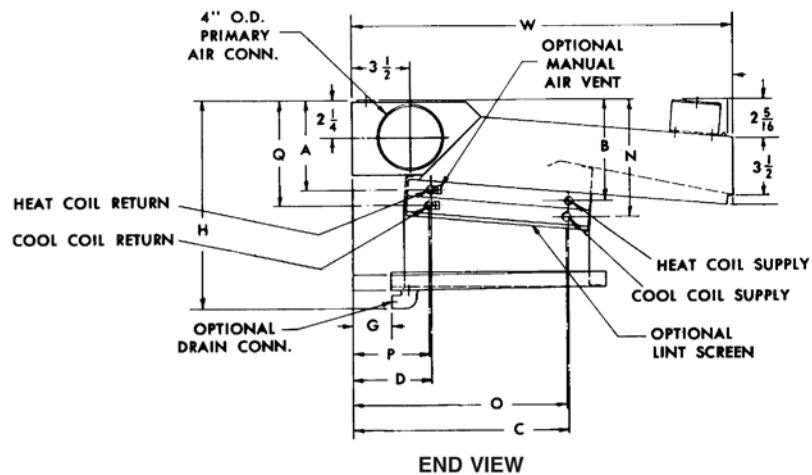
SINGLE AND DOUBLE COIL UNITS	
UNIT LENGTH 'L'	20-84 in 4" increments

NOTES:

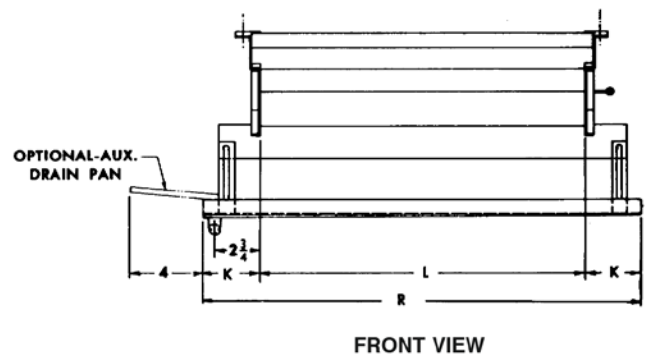
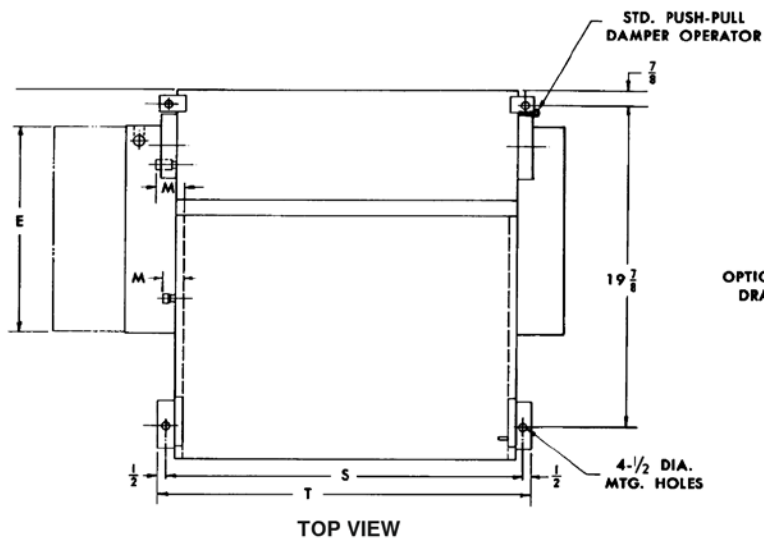
- Coil and drain connections may be furnished left- or right-handed as ordered.
- Heat coil connections may be furnished on end opposite cool coil connections.
- Coil and drain connections shown left hand.
- Female coil connections are for 1/2 O.D. copper tubes.
- Drain connection for 5/8 O.D. copper or 3/4 I.D. plastic tube.
- Primary air inlet provided on each end of unit. Rosemex end cap installed on appropriate inlet by contractor.

INDUCTION UNIT

ROUGHING IN (HORIZONTAL UNITS) DIMENSION DRAWINGS



MODEL	A	B	C	D	G	H	K	N	O	P	Q	W
HPH-A	5 1/2	6 3/16	12 7/8	4 5/8	2 1/2	12	3 1/2					23
HPH-H	6 1/2	7 7/16	14 5/8	3	1 1/8	13	3 1/2					23
HPH-AA	5 1/2	6 3/16	12 7/8	4 5/8	2 1/2	13	3 1/2	7 3/16	12 13/16	4 9/16	6 1/2	23
HPH-HH	6 1/2	7 7/16	14 5/8	3	1 1/8	14	3 1/2	8 7/16	14 1/2	2 7/8	7 1/2	23



DIMENSION L

L	16	20	24	28	32	36	40	44	48	52	56	60
R	23	27	32	35	39	43	47	51	55	59	63	67
S	19 1/8	23 1/8	27 1/8	31 1/8	35 1/8	39 1/8	43 1/8	47 1/8	51 1/8	55 1/8	59 1/8	63 1/8
T	20 1/8	24 1/8	28 1/8	32 1/8	36 1/8	40 1/8	44 1/8	48 1/8	52 1/8	56 1/8	60 1/8	64 1/8

DIMENSION M

SWEAT CONNECTIONS (1/2 FEMALE SWEAT)				
UNIT LENGTH	SUPPLY	RETURN		
		W/AIR VENT	W/O AIR VENT	
HPH-A; HPH-H; HPH-AA; HPH-HH				
16-60	M	1 5/8	1 1/4	1 1/4

NOTES:

- Coil and drain connections may be furnished left- or right-handed as ordered.
- Heat coil connections may be furnished on end opposite cool coil connections.
- Coil and drain connections shown left hand.
- Female coil connections are for 1/2 O.D. copper tubes.
- Plastic drain connection for 5/8 O.D. copper or 3/4 I.D. plastic tube.
- Primary air inlet provided on each end of unit. Rosemex end cap installed on appropriate inlet by contractor.

* ALL DIMENSIONS APPROXIMATE. CERTIFIED DRAWINGS AVAILABLE ON REQUEST.

TABLE 9
(HPV) A COIL, AA COIL, H COIL, HH COIL
VERTICAL MODELS

MODEL	P.A. CFM	SEC. COIL BTUH	MIN. FREE AREA		MODEL	P.A. CFM	SEC. COIL BTUH	MIN. FREE AREA		MODEL	P.A. CFM	SEC. COIL BTUH	MIN. FREE AREA	
			INLET	OUTLET				INLET	OUTLET				INLET	OUTLET
20A-A	15	1880	154	47	48A-A	36	4280	369	113	72A-A	54	5660	554	170
20B-A	20	2080	154	47	48B-A	48	4680	369	113	72B-A	72	6130	554	170
20X-A	25	2280	154	47	48X-A	60	5070	369	113	72X-A	90	6630	554	170
20C-A	30	2500	154	62	48C-A	72	5430	369	148	72C-A	108	7140	554	222
20D-A	40	2690	154	62	48D-A	96	5720	369	148	72D-A	144	7560	554	222
20E-A	50	2860	154	62	48E-A	120	5990	369	148	72E-A	180	7970	554	222
32A-A	24	3000	246	74	60A-A	45	5050	462	138	84A-A	63	6340	647	198
32B-A	32	3300	246	74	60B-A	60	5500	462	138	84B-A	84	6700	647	198
32X-A	40	3600	246	74	60X-A	75	5940	462	138	84X-A	105	7100	647	198
32C-A	48	3890	246	98	60C-A	90	6380	462	164	84C-A	126	7480	647	258
32D-A	64	4100	246	96	60D-A	120	6730	462	184	84D-A	168	7740	647	258
32E-A	80	4390	246	98	60E-A	150	7060	462	184	84E-A	210	7950	647	258

TABLE 10
(HPL) A COIL, AA COIL, H COIL, HH COIL
LOW VERTICAL MODELS

MODEL	P.A. CFM	SEC. COIL BTUH	MIN. FREE AREA		MODEL	P.A. CFM	SEC. COIL BTUH	MIN. FREE AREA		MODEL	P.A. CFM	SEC. COIL BTUH	MIN. FREE AREA	
			INLET	OUTLET				INLET	OUTLET				INLET	OUTLET
20A-A	15	1880	154	47	48A-A	36	4280	369	113	72A-A	54	5660	554	170
20B-A	20	2080	154	47	48B-A	48	4680	369	113	72B-A	72	6130	554	170
20X-A	25	2280	154	47	48X-A	60	5070	369	113	72X-A	90	6630	554	170
20C-A	30	2500	154	62	48C-A	72	5430	369	148	72C-A	108	7140	554	222
20D-A	40	2690	154	62	48D-A	96	5720	369	148	72D-A	144	7560	554	222
20E-A	50	2860	154	62	48E-A	120	5990	369	148	72E-A	180	7970	554	222
32A-A	24	3000	246	74	60A-A	45	5050	462	138	84A-A	63	6340	647	198
32B-A	32	3300	246	74	60B-A	60	5500	462	138	84B-A	84	6700	647	198
32X-A	40	3600	246	74	60X-A	75	5940	462	138	84X-A	105	7100	647	198
32C-A	48	3890	246	98	60C-A	90	6380	462	164	84C-A	126	7480	647	258
32D-A	64	4100	246	96	60D-A	120	6730	462	184	84D-A	168	7740	647	258
32E-A	80	4390	246	98	60E-A	150	7060	462	184	84E-A	210	7950	647	258

INDUCTION UNIT

ARI STANDARDS RATINGS



TABLE 11
(HPL) A COIL, AA COIL, H COIL, HH COIL OPTIONS
HORIZONTAL MODELS

MODEL	86P.A. CFM103	SEC. COIL BTUH	MIN. FREE AREA		MODEL	P.A. CFM	SEC. COIL BTUH	MIN. FREE AREA	
			INLET	OUTLET				INLET	OUTLET
20A-A	17	2150	170	54	20A-H	17	2270	206	54
20B-A	23	2420	170	54	20B-H	23	2535	206	54
20X-A	29	2550	170	54	20X-H	29	2780	206	54
20C-A	34	2655	170	54	20C-H	34	2955	206	54
20D-A	46	2915	170	54	20D-H	46	3190	206	54
20E-A	57	3125	170	54	20E-H	57	3375	206	54
32A-A	27	3048	271	87	32A-H	27	3250	330	87
32B-A	36	3330	271	87	32B-H	36	3565	330	87
32X-A	46	3635	271	87	32X-H	46	3945	330	87
32C-A	55	3365	271	87	32C-H	55	4235	330	87
32D-A	73	4160	271	87	32D-H	73	4480	330	87
32E-A	90	4450	271	87	32E-H	91	4735	330	87
45A-A	41	4250	406	130	48A-H	41	4590	494	130
45B-A	55	4640	406	130	45B-H	55	5025	494	130
48X-A	68	4945	406	130	48X-H	68	5380	494	130
48C-A	82	5300	406	130	45C-H	82	5300	494	130
48D-A	110	5705	406	130	48D-H	110	6150	494	130
48E-A	137	6055	406	130	45E-H	137	6470	494	130
60A-A	51	5040	507	162	60A-H	51	5500	618	162
60B-A	68	5490	507	162	60B-H	68	5970	618	162
60X-A	86	5945	507	162	60X-H	86	6495	618	162
60C-A	103	6315	507	162	60C-H	103	6950	618	162
60D-A	137	6710	507	162	60D-H	137	7310	616	162
60E-A	171	7125	507	162	60E-H	171	7670	618	162
20A-AA	17	1915	170	54	20A-HH	17	2090	206	54
20B-AA	23	2170	170	54	20B-HH	23	2350	206	54
20X-AA	29	2305	170	54	20X-HH	29	2805	206	54
20C-AA	34	2410	170	54	20C-HH	34	2790	206	54
20D-AA	46	2665	170	54	20D-HH	46	3035	206	54
20E-AA	57	2875	170	54	20E-HH	57	3240	206	54
32A-AA	27	2715	271	87	32A-HH	27	2990	330	87
32B-AA	36	2985	271	87	32B-HH	36	3305	330	87
32X-AA	46	3280	271	87	32X-HH	46	3690	330	87
32C-AA	55	3510	271	87	32C-HH	55	4000	330	87
32D-AA	73	3805	271	87	32D-HH	73	4260	330	87
32E-AA	91	4095	271	87	32E-HH	91	4545	330	87
48A-AA	41	3780	406	130	48A-HH	41	4220	494	130
48B-AA	55	4155	406	130	48B-HH	55	4660	494	130
48X-AA	68	4460	406	130	48X-HH	68	5035	494	130
48C-AA	82	4810	406	130	48C-HH	82	5475	494	130
48D-AA	110	5215	406	130	48D-HH	110	5855	494	130
48E-AA	137	5570	406	130	48E-HH	137	6210	494	130
60A-AA	51	4490	507	162	60A-HH	51	5080	618	162
60B-AA	68	4920	507	162	60B-HH	68	5540	618	162
60X-AA	86	5360	507	162	60X-HH	86	6080	618	162
60C-AA	103	5740	507	162	60C-HH	103	6565	618	162
60D-AA	137	6135	507	162	60D-HH	137	6960	618	162
60E-AA	171	6535	507	162	60E-HH	171	7365	618	162

TABLE 12
APPROXIMATE INDUCTION UNIT WEIGHTS / LBS

UNIT LENGTH	HPV		HPL		HPH	
	A COIL	H COIL	A COIL	H COIL	A COIL	H COIL
16	15	18			25	29
20	17	21	15	19	29	34
24	21	25	18	22	32	37
28	25	29	22	26	36	40
32	29	34	26	30	39	43
36	34	40	29	35	42	47
40	38	44	33	39	46	51
44	43	50	37	44	49	55
48	47	55	41	49	55	62
52	51	60	44	52	59	69
56	55	64	48	55	63	74
60	60	70	52	58	66	79
64	64	74	56	62		
68	67	78	59	66		
72	70	82	62	71		
76	73	85	65	75		
80	77	89	68	79		
84	80	92	72	82		

1. To compute increased weights for double coil units, use 1.45 as multiplier of single coil weight.
2. Use standard unit coil weights for split coil units.

MECHANICAL SPECIFICATIONS

BASIC UNIT

The basic unit includes a primary air plenum with primary air inlet, air balancing damper, multi-stage nozzles, secondary coil or coils, galvanized drain pan and discharge stack.

PRIMARY AIR PLENUM

Plenum is constructed of 24 gauge galvanized steel. Die cast zinc end pieces and sealed joints guard against leakage. Plenum is lined with 3/8" thick four pound density insulation fiberglass.

NOZZLES

Multi-stage nozzles in vertical strips are precision molded from a heat resistant thermo-plastic material (polypropylene). Nozzles are designed for operating temperatures of -20 F to 200 F with pressures up to 3.5 inches water guage. Nozzles strips are sealed and locked mechanically to the nozzle frame.

DAMPER

The internal air balancing damper with multiple hole design extends full length of plenum. The damper is adjusted by a manual push-pull operator located next to the primary air inlet. The operator is on the right hand end on model V and H and on the left hand end on model L units.

COILS

One row coils are ten, eleven, or 13 3/8" high, constructed of 7/16" O.D. seamless copper tubes mechanically bonded to aluminum fins spaced 175 per foot. Maximum working pressure is 300 lbs. Coils are leak tested at 200 PSI (air under water). All water coils are available as L.H. or R.H. and are field reversible.

DRAIN PAN

Galvanized steel secured to coil. Drain connection (optional) accepts 5/8 inch O.D. copper tube. Available either rightor left-hand connection.

OPTIONAL ACCESSORIES

LINT SCREEN

Screen is single ply corrugated aluminum with 1/4" thick aluminum frame.

FLARE CONNECTIONS

1/2" O.D. male flare coil connections with or without manual air vents.

WALL MOUNTING STRIPS

Galvanized steel, 6" in length, made from 14 gauge steel. Two per unit.

INTEGRAL PIPE CHASE

(Standard on low vertical units) created on vertical units by two 14 gauge Z-bar hangers, 6 inches long, one at each end of unit.

PIPE HANGERS

Pipe hangers are zinc plated 0.148 inch diameter steel wire which will support up to 3/4" O.D. piping with up to 1" thick insulation.

