



#6K
Horizontal Large
Fan/Coils
600 thru 2200 CFM

1-800-USA-COIL
(1-800-872-2645)

FAX: (610) 296-9763 • www.usacoil.com

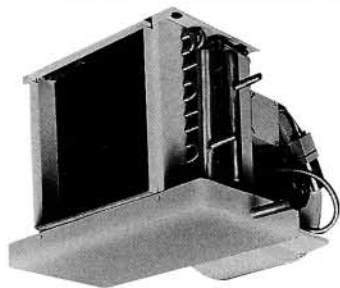
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1 Descriptive Information

Unit Types

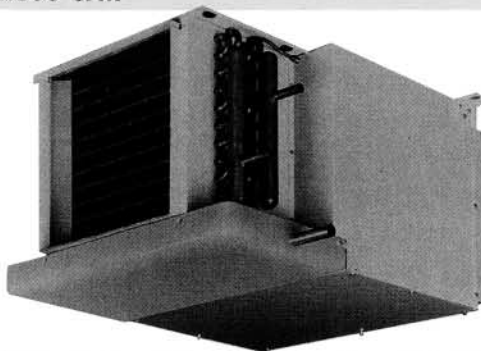
MODEL HBL - HORIZONTAL BASIC - 600 CFM THRU 2000 CFM



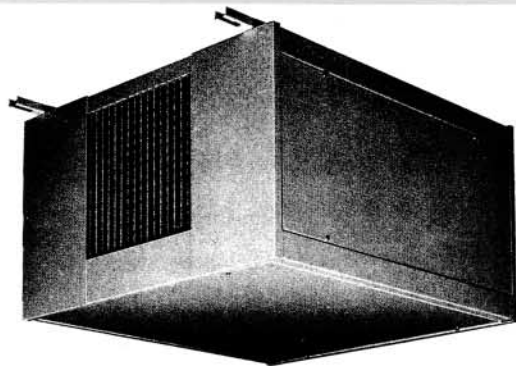
The Model HBL Horizontal Fan Coil Unit is designed specifically to meet the many varied requirements for a ceiling hideaway installation where there is a ducted, high-static application. HBL units are provided standard with a galvanized finish.

MODEL HRL - HORIZONTAL RETURN PLENUM - 600 CFM THRU 2000 CFM

The Model HRL Unit provides the same basic features of the HBL plus a return-air plenum. All Model HRL Units are shipped from the factory completely ready for installation with the plenum section in place. No field fabrication is required. HRL Units are provided standard with a galvanized finish.



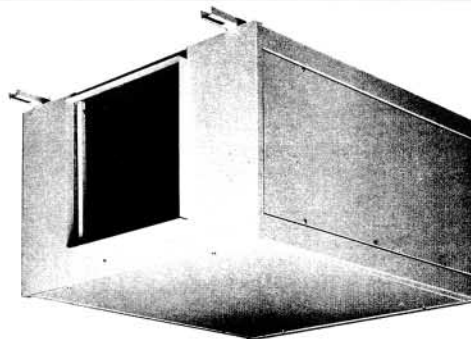
MODEL HDL - HORIZONTAL DELUXE - 600 CFM THRU 2000 CFM



The Model HDL Series is an attractively styled cabinet unit ideally suited for ceiling mounted applications where high capacities are required. The unit is supplied with an integral double-deflection discharge grille and a bar-type return-air grille with a throwaway filter. HDL units are finished in attractive oven baked finish.

MODEL HSDL - HORIZONTAL DELUXE HIGH STATIC - 600 CFM THRU 2000 CFM

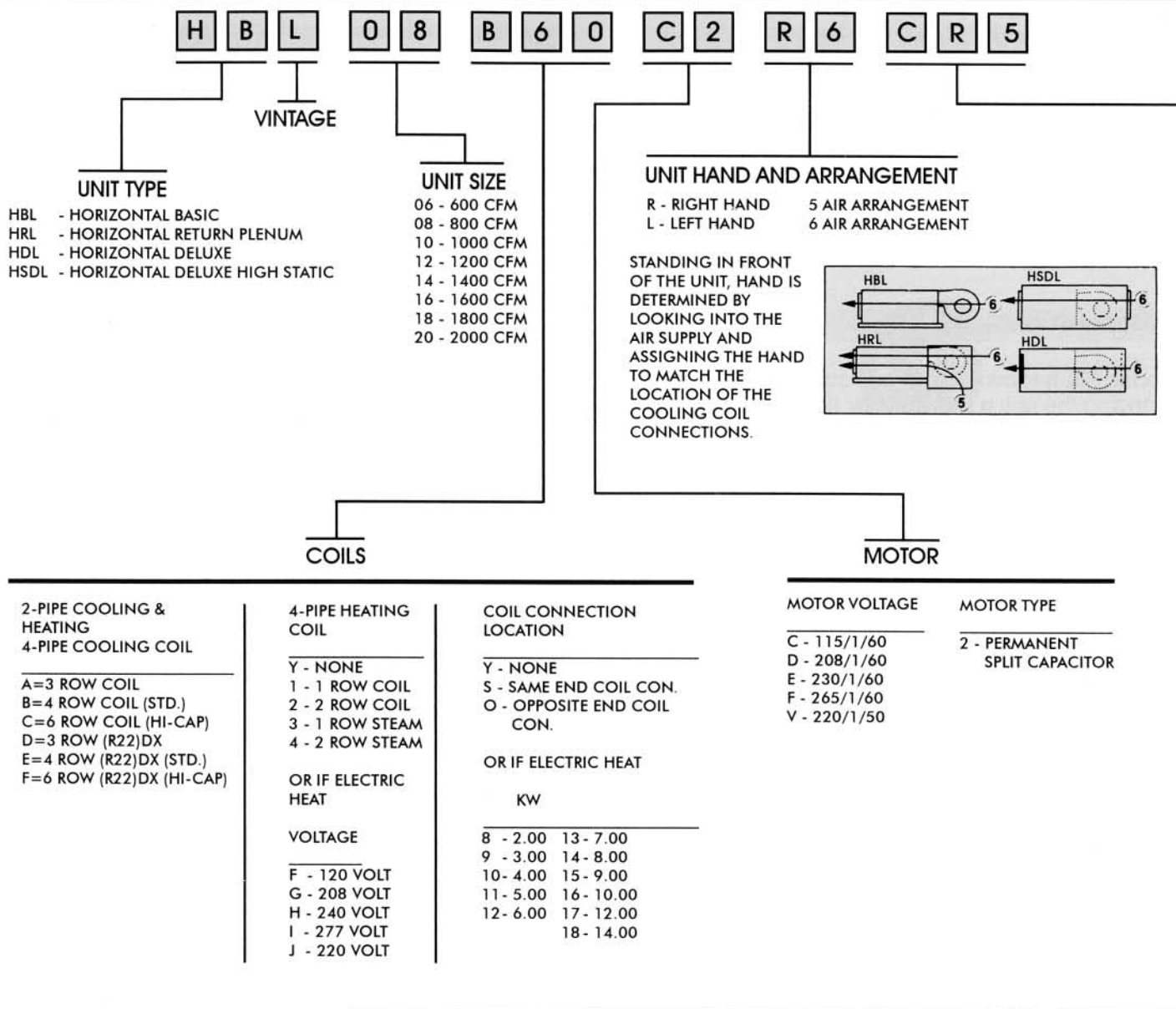
The basic unit is fabricated of heavy gauge steel. The HSDL Unit is designed for above or below the ceiling and is for high-static ducted applications only where high output is required. HSDL units are provided standard with a galvanized finish.



HOW TO SELECT USA UNITS

It's easy to select USA Fan/Coil Units. The basic internal parts to include fan assemblies, coils, etc., are all the same for every size unit. We just change the cabinet around the unit, so that you choose the type that meets your requirements. You'll find that USA has the easiest selection procedure in the industry.

EXAMPLE: Model #HBL, HRL, and HDL all have the same fan assembly, coil, filter, etc. Only the cabinet around the unit changes.



UNIT CONTROL PACKAGE

CONTROL VOLTAGE	SYSTEM TYPE	THERMOSTAT
C - 120 VOLT D - 208 VOLT E - 240 VOLT F - 277 VOLT V - 220 VOLT	FAN CYCLE CONTROL A - MANUAL FAN OPERATION B - 2 PIPE HEAT ONLY C - 2 PIPE COOL ONLY D - 2 PIPE HEAT & COOL - (MANUAL c/o) E - 2 PIPE HEAT & COOL - (AUTO c/o) F - 2 PIPE HEAT & COOL - (AUTO c/o) ALTERNATE VALVE CYCLE CONTROL G - 2 PIPE HEAT ONLY H - 2 PIPE COOL ONLY J - 2 PIPE HEAT & COOL - (MANUAL c/o) K - 2 PIPE HEAT & COOL - (AUTO. c/o) L - 2 PIPE HEAT & COOL W/AUX. ELEC. HEAT (MANUAL c/o) M - 2 PIPE HEAT & COOL W/AUX. ELEC. HEAT (AUTO. c/o) N - 2 PIPE HEAT & COOL W/TOTAL ELEC. HEAT (MANUAL c/o) P - 2 PIPE HEAT & COOL W/TOTAL ELEC. HEAT (AUTO. c/o) Q - 4 PIPE HEAT & COOL - (MANUAL c/o) R - 4 PIPE HEAT & COOL - (AUTO. c/o)	2 - STANDARD WALL MOUNT 3 - C-3 WALL MOUNT 4 - WALL SERIES 4039 5 - WALL SERIES 154

NOTE: Consult factory for acceptable code item combinations and other code item restrictions.

1 Descriptive Information

Suggested Specifications

PERFORMANCE DATA (ALL MODELS)

CAPACITIES - Unit capacities are certified in compliance with Air Conditioning and Refrigeration Institute (ARI) Standard 440-89.

SAFETY - Units listed with Underwriters Laboratory (UL) Standard 1995 and Canadian Standards Association (CSA) Standard C22.2 No. 236-M90.

BASIC UNIT (HBL, HRL)

The basic HBL is fabricated of galvanized steel. Provision for hanging the unit is provided by slots in the top of the housing. A one inch discharge duct collar is furnished.

The condensate drain pan is lined with closed cell, fire retardant foam insulation. Water never touches the metal pan, minimizing the possibility of corrosion. Every horizontal unit is available with an optional drip lip at the coil header end on the unit to provide positive control of condensate when control valves are used. The motor blower assembly is designed for easy removal from the basic unit for servicing. This also provides access to the entering air face of the coil for easy cleaning.

CABINET (HDL, HSDL)

Horizontal and Vertical Cabinet Models HSDL have galvanized steel panels acoustically and thermally insulated with 1/2 inch fiber glass.

Horizontal Model HSDL and HDL Units have removable side panels for access to motor blower assembly, valves and piping. The HSDL front and rear panels have one inch duct collars for supply and return air duct connections.

COILS

Coils have 1/2 inch O.D. copper tubes with aluminum fins mechanically bonded to the tubes. All coils are leak tested with air under water and are suitable for design working pressures of 250 psig @ 200 degrees F.

A variety of coil selections are available. The standard coil provides adequate capacity for most installations with an 8° to 10° design water temperature rise. A high capacity coil is offered for those installations requiring the higher latent heat capabilities or those designed for a 12° water temperature rise. Also offered is a four-pipe coil consisting of standard or high capacity cooling with one and two rows of heating surfaces.

Optional steam coils are available and are suitable for working pressures of 5 psig.

FILTERS

All cabinet model units have one inch throwaway filters furnished as standard equipment. Cleanable filters are optional except on HDL.

FANS

The fans are centrifugal, forward-curved, double-width wheels. Blower housings are galvanized steel with special rolled perimeter seams to provide added rigidity.

MOTORS

All motors are resilient-mounted, three speed PSC Type, with thermal overload protection. Motor bearings are of the sleeve type. Positive speed reduction is assured through careful matching of motor torque to blower loading. Standard motors are permanent split capacitor.

ARI CERTIFICATION

The Hi-Performance Series Units are certified in compliance with the Air Conditioning and Refrigeration Institute (ARI). Industry Standard 440-89 for room fan coil units. Approved standard ratings are tabulated below.

UL APPROVAL

All Hi-Performance Units in USA COIL & AIR's Product Line are listed by UNDERWRITERS' LABORATORIES, INC. This listing signifies that USA COIL & AIR's fan coil units have been examined by UL and found to be in complete compliance with applicable standards. The re-examination service also includes periodic visits by UL inspectors at USA COIL & AIR's factory to assure continuing compliance by all listed products.



TABLE #1 - CONDENSED PERFORMANCE

ARI APPROVED STANDARD RATINGS¹

UNIT TYPE	UNIT SIZE- COIL ROWS	NOM. CFM	GPM	COOLING CAPACITY		POWER INPUT WATTS PSC
				TOTAL BTUH	SENSIBLE BTUH	
HDL	06 - 4 ROW	600	3.7	18,100	13,700	225
HDL	08 - 4 ROW	800	5.0	23,400	17,600	275
HDL	10 - 4 ROW	1000	6.9	33,300	24,000	400
HDL	12 - 4 ROW	1200	8.7	41,800	30,200	450
HDL	14 - 4 ROW	1400	10.0	48,900	34,000	470

1. Based on 80 degrees and 67 degrees WB EAT, 45 degrees F EWT, 10 degrees F temperature rise, high fan speed. Motor voltage 115/1/60. Air flow under dry coil conditions. Ducted models tested @ 0.05 ext. static pressure.
2. For all application ratings use the USA Coil & Air computer selection program, the quick-selection ratings in this catalog or contact your local USA Coil & Air representative.

TABLE #3 - ACTUAL CFM OUTPUT

UNIT			CFM @ 0.0 E.S.P. FOR FAN SPEED INDICATED			HIGH SPEED CFM @ E.S.P. INDICATED						
MODEL	SIZE	COIL	LOW	MED	HIGH	0.10	0.20	0.25	0.30	0.40	0.50	0.60
HBL BASIC	06	3 ROW	545	645	800	740	680	650	620	560	470	330
	08		645	885	1080	1010	940	910	870	800	710	590
	10		825	1045	1280	1260	1240	1190	1130	1010	910	640
	12		945	1125	1450	1360	1270	1220	1180	1090	990	850
	14		890	1405	1875	1730	1590	1520	1450	1310	1170	920
	16		900	1420	2080	1940	1800	1730	1660	1510	1350	1110
	18		1159	1719	2628	2572	2484	2415	2341	2171	1946	-
	20		1224	1861	2778	2702	2607	2543	2471	2310	2122	-
	06	4 ROW	530	630	780	720	660	630	600	540	430	260
	08		630	870	1060	990	920	890	850	770	680	540
	10		805	1020	1250	1230	1210	1160	1100	970	840	700
	12		925	1100	1420	1330	1240	1200	1150	1060	950	790
	14		860	1355	1810	1680	1550	1490	1420	1270	1110	890
	16		875	1385	2030	1890	1750	1680	1610	1460	1280	1000
	18		1144	1684	2444	2378	2284	2216	2146	1985	1772	-
	20		1209	1826	2594	2508	2407	2344	2276	2124	1948	-
	06	6 ROW	505	595	740	680	620	590	560	470	330	-
	08		600	830	1010	940	870	840	800	710	590	-
	10		765	975	1190	1170	1140	1090	1030	890	720	-
	12		885	1055	1360	1270	1180	1130	1090	990	850	-
	14		820	1300	1730	1590	1450	1380	1310	1170	970	-
	16		845	1335	1960	1810	1660	1590	1510	1350	1110	-
	18		1114	1614	2076	1990	1885	1819	1756	1614	1425	-
	20		1179	1756	2226	2120	2008	1947	1886	1753	1601	-
HRL HSDL RETURN PLENUM GALV. HIGH STATIC	06	3 ROW	535	630	780	710	640	600	570	500	410	280
	08		590	810	990	920	850	820	780	700	590	430
	10		755	955	1170	1140	1100	1040	990	910	810	700
	12		1040	1240	1600	1480	1360	1300	1240	1120	980	780
	14		1290	1770	1940	1795	1660	1595	1525	1390	1280	1085
	16		1103	1709	2378	2229	2101	2016	1944	1784	1638	-
	18		1105	1675	2514	2452	2354	2276	2185	2047	1851	-
	20		1170	1817	1691	2582	2477	2404	2315	2186	2027	-
	06	4 ROW	520	610	760	690	620	580	550	470	380	230
	08		575	795	970	900	830	790	760	670	550	350
	10		735	930	1140	1110	1070	1010	960	860	760	660
	12		1035	1235	1590	1460	1330	1270	1200	1070	920	700
	14		1260	1710	1880	1740	1610	1550	1485	1350	1210	1015
	16		1073	1649	2318	2174	2051	1971	1904	1744	1568	-
	18		1090	1640	2357	2258	2154	2077	1990	1861	1677	-
	20		1155	1782	2507	2388	2277	2205	2120	2000	1853	-
	06	6 ROW	485	570	710	640	570	540	500	410	280	-
	08		560	770	940	860	780	740	700	590	430	-
	10		690	875	1070	1030	990	930	880	760	620	-
	12		965	1145	1480	1360	1240	1180	1120	980	780	-
	14		1200	1590	1745	1625	1510	1455	1400	1265	1065	-
	16		1013	1529	2183	2059	1951	1876	1819	1659	1423	-
	18		1060	1570	1989	1870	1755	1680	1600	1490	1330	-
	20		1125	1712	2139	2000	1878	1808	1730	1629	1506	-
HDL DELUXE LOW STATIC	06	3 ROW	465	545	680	-	-	-	-	-	-	-
	08		490	670	820	-	-	-	-	-	-	-
	10		660	835	1020	-	-	-	-	-	-	-
	12		810	960	1240	-	-	-	-	-	-	-
	14		700	1105	1470	-	-	-	-	-	-	-
	16		685	1085	1590	-	-	-	-	-	-	-
	18		1155	1505	1800	-	-	-	-	-	-	-
	20		1280	1675	2030	-	-	-	-	-	-	-
	06	4 ROW	460	540	670	-	-	-	-	-	-	-
	08		480	665	810	-	-	-	-	-	-	-
	10		645	820	1000	-	-	-	-	-	-	-
	12		795	945	1220	-	-	-	-	-	-	-
	14		680	1090	1450	-	-	-	-	-	-	-
	16		680	1070	1570	-	-	-	-	-	-	-
	18		1140	1485	1780	-	-	-	-	-	-	-
	20		1260	1650	2000	-	-	-	-	-	-	-
	06	6 ROW	445	520	650	-	-	-	-	-	-	-
	08		465	640	780	-	-	-	-	-	-	-
	10		620	785	960	-	-	-	-	-	-	-
	12		775	925	1190	-	-	-	-	-	-	-
	14		665	1050	1400	-	-	-	-	-	-	-
	16		650	1030	1510	-	-	-	-	-	-	-
	18		1090	1420	1700	-	-	-	-	-	-	-
	20		1225	1600	1940	-	-	-	-	-	-	-

Note: 1. Tabled values are standard CFM at sea level, 70°F with dry coil.
2. The ratings above include filter and/or grilled where applicable.

2 Performance Information

Direct Expansion
(DX) Cooling

TABLE #7 - DX PERFORMANCE

BASE CAPACITIES - MBH

UNIT SIZE	R-22 SUCTION TEMP	ENTERING AIR TEMPERATURE (°F) DB / WB																											
		3 ROW								4 ROW								6 ROW											
		76/63		78/65		80/67		82/69		76/63		78/65		80/67		82/69		76/63		78/65		80/67		82/69					
		TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH	TOT MBH	SENS MBH
06	35°	16.6	13.1	18.4	13.6	20.4	14.1	22.4	14.6	21.0	15.8	23.1	16.4	25.3	17.0	27.5	17.5	26.0	18.9	23.3	19.5	30.8	20.0	33.4	20.5				
	40°	13.0	11.5	14.8	12.0	16.8	12.6	18.8	13.1	17.1	14.0	19.2	14.7	21.5	15.3	23.8	15.9	22.0	17.0	24.5	17.7	27.0	18.4	29.7	19.0				
	45°	10.0	9.8	11.3	10.4	12.9	11.0	14.8	11.5	13.2	12.2	15.1	12.9	17.2	13.5	19.5	14.1	17.6	15.0	20.0	15.7	22.6	16.5	25.3	17.2				
	50°	7.6	7.6	7.6	8.4	9.6	9.4	11.0	10.0	9.8	9.8	11.3	11.0	12.9	11.7	14.9	12.3	13.3	12.9	15.3	13.7	17.7	14.4	20.3	15.2				
08	35°	22.9	17.9	25.2	18.5	27.6	19.1	30.0	19.6	27.5	20.9	30.0	21.6	32.5	22.1	35.1	22.6	32.8	24.3	35.7	25.0	38.8	25.7	41.9	26.3				
	40°	18.6	15.9	21.0	16.6	23.5	17.3	25.9	17.9	23.1	18.9	25.8	19.6	28.4	20.3	31.1	20.9	28.0	22.1	31.1	22.9	34.2	23.7	37.3	24.4				
	45°	14.5	13.9	16.4	14.6	18.7	15.3	21.3	16.0	18.3	16.7	20.8	17.5	23.6	18.3	26.4	19.0	22.5	19.5	25.5	20.5	28.7	21.4	32.0	22.2				
	50°	11.1	11.1	12.2	12.2	14.1	13.3	16.2	14.0	13.8	13.8	15.9	15.2	18.2	16.0	20.8	16.8	17.1	16.8	19.6	17.8	22.2	18.8	25.8	19.7				
10	35°	27.8	21.9	30.4	22.5	33.0	23.1	35.6	23.6	32.2	25.2	34.9	25.7	37.7	26.3	40.4	26.7	38.2	29.0	41.2	29.7	44.3	30.3	47.3	30.8				
	40°	23.1	19.8	25.8	20.5	28.6	21.2	31.4	21.8	27.7	23.0	30.6	23.8	33.5	24.5	36.4	25.1	33.3	26.7	36.5	27.6	39.9	28.4	43.2	29.1				
	45°	18.2	17.5	20.6	18.3	23.4	19.1	26.3	19.8	22.4	20.6	25.3	21.5	28.3	22.3	31.5	23.1	27.4	24.1	30.7	25.1	34.2	26.0	37.9	26.9				
	50°	14.2	14.2	15.9	15.8	17.9	16.8	20.5	17.6	17.4	17.4	19.7	18.9	22.5	19.9	25.5	20.8	21.3	21.0	24.2	22.2	27.6	23.2	31.3	24.3				
12	35°	32.4	25.9	35.1	26.5	37.9	27.1	40.7	27.5	36.9	29.3	40.0	30.0	43.1	30.6	46.2	31.2	42.8	33.5	45.8	34.0	49.1	34.6	52.2	35.0				
	40°	27.5	23.6	30.5	24.5	33.5	25.2	36.5	25.8	31.6	26.9	34.9	27.8	38.3	28.6	41.7	29.3	37.9	31.2	41.3	32.1	44.8	32.8	48.2	33.4				
	45°	22.2	21.1	24.9	22.1	28.0	23.0	31.2	23.7	25.7	24.1	28.9	25.1	32.2	26.1	35.9	27.0	31.9	28.5	35.5	29.5	39.2	30.4	43.0	31.3				
	50°	17.6	17.6	19.5	19.3	22.0	20.4	25.0	21.4	20.0	20.0	22.6	22.1	25.5	23.2	29.0	24.3	25.5	25.2	28.6	26.5	32.4	27.6	36.3	28.7				
14	35°	35.7	29.3	38.8	30.0	41.9	30.6	45.0	31.1	41.1	33.4	44.4	34.1	47.6	34.6	50.6	35.1	63.0	45.2	68.7	68.7	75.1	48.2	81.4	49.5				
	40°	30.2	26.8	33.5	27.7	36.8	28.5	40.2	29.2	35.9	31.0	39.3	31.9	42.8	32.6	46.3	33.3	53.3	40.6	59.3	59.3	65.4	43.9	72.1	45.4				
	45°	24.5	23.8	27.3	24.9	30.6	25.9	34.2	26.8	29.8	28.0	33.2	29.2	36.8	30.2	40.6	31.1	42.5	35.6	48.4	48.4	54.7	39.2	61.2	40.9				
	50°	19.4	19.4	21.2	21.2	24.0	23.0	27.2	24.1	23.7	23.7	26.5	25.9	29.8	27.2	33.6	28.3	31.8	30.5	36.8	36.8	42.7	34.2	49.1	36.1				
16	35°	39.5	42.7	42.7	33.6	45.9	34.2	49.1	34.7	58.4	43.4	64.1	44.9	70.0	46.3	75.9	47.7	69.4	50.7	76.0	52.2	82.7	53.6	89.4	54.9				
	40°	34.0	30.4	37.5	31.3	41.0	32.1	44.5	32.8	48.3	38.6	54.1	40.3	60.1	41.9	66.3	43.4	59.9	45.9	66.3	47.7	72.8	49.3	79.9	50.9				
	45°	28.1	27.3	31.2	28.5	34.7	29.6	38.5	30.5	37.5	33.7	42.8	35.4	48.9	37.2	55.2	38.9	48.5	40.6	54.9	42.6	61.7	44.5	68.7	46.3				
	50°	22.6	22.6	24.6	24.6	27.7	26.5	31.3	27.6	27.7	27.7	32.1	30.5	37.0	32.3	42.8	34.0	36.6	35.1	42.3	37.2	48.9	39.2	55.9	41.1				
18	35°	54.1	41.3	59.7	42.8	65.4	44.2	71.2	45.6	65.1	48.6	71.2	50.1	77.4	51.6	83.7	52.9	80.1	57.7	89.5	59.7	95.8	61.5	103.9	63.2				
	40°	43.9	36.6	49.5	38.3	55.3	39.8	61.3	41.3	54.5	43.6	60.8	45.4	67.2	47.0	73.8	48.6	67.5	51.7	75.2	53.9	83.1	56.0	91.7	58.0				
	45°	33.6	31.8	38.4	33.6	44.1	35.2	50.1	36.8	42.8	38.2	48.8	40.2	55.4	42.0	62.2	43.8	53.4	45.2	61.0	47.6	69.1	49.9	77.5	52.1				
	50°	25.6	25.6	28.8	28.6	32.9	30.4	37.9	32.1	31.8	31.8	36.9	34.7	42.5	36.7	49.0	38.6	39.9	38.7	46.1	41.0	53.5	43.4	61.6	45.8				
20	35°	59.7	45.6	65.6	47.2	71.6	48.7	77.8	50.0	70.7	53.1	77.0	54.7	83.5	56.1	90.1	57.5	87.0	63.1	94.8	65.1	103.2	67.0	111.7	68.6				
	40°	48.8	40.7	54.9	42.4	61.1	44.1	67.4	45.6	59.6	48.0	66.3	49.8	73.1	51.5	80.0	53.1	73.9	56.9	83.1	59.2	90.4	61.4	99.3	63.4				
	45°	37.7	35.5	42.9	37.4	49.2	39.1	55.7	40.8	47.3	42.3	53.8	44.4	60.8	46.7	68.0	48.2	59.1	50.1	67.2	52.6	75.9	55.0	84.7	57.3				
	50°	28.8	28.8	32.5	32.0	37.0	34.0	42.7	35.8	35.5	35.5	41.0	38.6	47.2	40.7	54.2	42.8	44.5	43.1	51.3	45.6	59.3	48.2	68.1	50.7				

NOTE: For refrigerants other than R-22 consult factory. Ratings at nominal CFM. All DX units to operate at high speed only

DX Total Capacity (MBH) =
Base TH X Total Correction Factor

DX Sensible Capacity (MBH) =
Base SH X Sensible Correction Factor

% of Nominal CFM =
Actual CFM (from Air Delivery tables) ÷
Nominal CFM

DX - CFM CORRECTION FACTORS

% OF NOMINAL CFM	CORRECTION FACTOR	
	TOTAL	SENSIBLE
80	0.95	0.93
90	0.97	0.96
100	1.00	1.00
110	1.02	1.04
120	1.05	1.08

Consult factory for values outside of table.

TABLE #8 - HOT WATER CAPACITIES

BASE HOT WATER CAPACITIES - MBH

ROWS	UNIT SIZE	GPM														
		.05	1.0	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
		MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH	MBH
1	06	13.5	17.5	19.5	20.5	21.3	21.8	22.2	22.5	-	-	-	-	-	-	-
	08	16.0	22.0	24.6	26.5	27.9	29.0	29.5	29.9	-	-	-	-	-	-	-
	10	-	25.5	29.0	31.2	32.7	34.0	34.8	35.5	-	-	-	-	-	-	-
	12	-	19.0	33.6	36.3	38.2	39.8	40.9	41.7	-	-	-	-	-	-	-
	14	-	31.5	37.7	41.0	43.5	45.5	46.8	48.0	-	-	-	-	-	-	-
	16	-	34.0	41.2	45.3	48.4	51.0	52.8	54.2	-	-	-	-	-	-	-
	18	-	36.0	44.5	49.6	53.1	55.9	58.0	59.7	-	-	-	-	-	-	-
	20	-	38.0	47.5	52.9	56.9	60.3	62.8	64.7	-	-	-	-	-	-	-
2	06	-	24.5	-	30.7	-	33.5	-	35.2	36.0	-	-	-	-	-	-
	08	-	29.5	-	38.7	-	42.9	-	45.3	46.5	-	-	-	-	-	-
	10	-	33.5	-	45.4	-	50.7	-	54.4	56.7	69.3	69.3	-	-	-	-
	12	-	36.5	-	51.5	-	59.0	-	63.3	66.2	70.2	70.2	71.2	-	-	-
	14	-	39.3	-	56.8	-	66.2	-	71.9	75.7	80.5	80.5	82.0	-	-	-
	16	-	41.0	-	61.9	-	73.5	-	80.2	84.8	90.3	90.3	92.3	-	-	-
	18	-	-	-	66.5	-	79.6	-	87.9	93.3	100.0	100.0	102.3	-	-	-
	20	-	-	-	70.0	-	84.5	-	93.6	100.5	108.7	108.7	111.4	-	-	-
3	06	-	29.5	-	38.0	-	41.5	-	44.0	45.0	46.0	46.5	-	-	-	-
	08	-	34.5	-	47.0	-	52.5	-	56.0	58.3	59.5	60.5	-	-	-	-
	10	-	37.0	-	52.5	-	61.0	-	65.5	68.7	71.0	72.5	73.7	-	-	-
	12	-	40.0	-	59.3	-	69.5	-	76.2	80.5	83.3	85.5	87.0	-	-	-
	14	-	-	-	64.0	-	76.5	-	84.3	89.7	93.7	96.8	99.0	-	-	-
	16	-	-	-	68.5	-	83.7	-	93.2	99.5	104.5	108.5	111.4	-	-	-
	18	-	-	-	72.5	-	90.4	-	102.1	109.5	115.0	119.4	123.0	-	-	-
	20	-	-	-	75.2	-	95.5	-	108.0	117.3	123.9	129.3	133.5	-	-	-
4	06	-	-	-	40.2	-	45.0	-	47.9	49.5	50.8	51.5	-	-	-	-
	08	-	-	-	47.8	-	56.7	-	60.9	63.5	65.5	67.4	-	-	-	-
	10	-	-	-	57.3	-	66.4	-	72.3	76.6	79.5	81.5	83.0	84.4	-	-
	12	-	-	-	64.0	-	76.4	-	83.7	88.8	92.4	95.3	97.7	99.4	-	-
	14	-	-	-	-	-	82.9	-	92.0	98.3	103.0	106.6	109.5	112.0	-	-
	16	-	-	-	-	-	89.4	-	100.5	109.3	115.2	119.4	122.7	125.8	-	-
	18	-	-	-	-	-	95.7	-	109.0	119.0	126.1	131.2	135.2	138.6	-	-
	20	-	-	-	-	-	101.3	-	116.2	128.1	136.2	142.3	145.9	151.0	-	-
6	06	-	-	-	-	-	-	-	54.6	56.5	57.7	58.6	59.4	60.0	-	-
	08	-	-	-	-	-	-	-	68.9	72.2	74.5	76.3	77.6	78.5	-	-
	10	-	-	-	-	-	-	-	81.9	86.3	89.6	92.2	94.1	95.5	96.7	97.7
	12	-	-	-	-	-	-	-	94.0	99.8	104.0	107.3	110.4	112.4	114.1	115.4
	14	-	-	-	-	-	-	-	102.4	111.0	116.8	121.0	124.2	126.9	129.5	131.5
	16	-	-	-	-	-	-	-	111.6	122.3	129.4	134.5	138.6	142.0	145.2	147.5
	18	-	-	-	-	-	-	-	119.5	133.0	141.2	147.2	152.2	156.3	160.3	163.4
	20	-	-	-	-	-	-	-	128.0	142.3	152.1	158.0	164.7	169.6	174.0	177.5

NOTES: Ratings based on nominal CFM at 70°F Entering Air and 180°F EWT.

HOT WATER TEMPERATURE CORRECTION FACTORS

ENT. AIR	ENTERING WATER TEMPERATURE									
	100°	110°	120°	130°	140°	150°	160°	170°	180°	190°
50°	.455	.545	.636	.727	.818	.909	1.000	1.091	1.182	1.273
55°	.409	.500	.591	.682	.773	.864	.955	1.045	1.136	1.227
60°	.363	.455	.545	.636	.727	.818	.909	1.000	1.091	1.182
65°	.318	.409	.499	.590	.682	.773	.864	.955	1.045	1.136
70°	.272	.363	.454	.545	.636	.727	.818	.909	1.000	1.091
75°	.227	.318	.409	.499	.590	.682	.773	.864	.955	1.045
80°	.182	.272	.363	.454	.545	.636	.727	.818	.909	1.000

Hot Water Heating Capacity (MBH) = Base Capacity x Temperature Factor x Cs

2 Performance Information

Electric Heating Options
Steam Heating Options

APPLICATION

Electric heaters are available for installation on USA Coil & Air fan coil units for the following applications.

TOTAL ELECTRIC HEAT

Complete heating during heating season: No boiler is required. Heating and/or cooling may be available on an individual basis the year round with only a two-pipe system. Chilled water is used for cooling, and the electric heater is used for heating. Individual room controls can be supplied to give manual or automatic changeover.

AUXILIARY ELECTRIC HEAT

Heating between seasons or during cooling season when chilled water is being circulated. Individual room controls can be supplied to provide electric heat only when chilled water is being circulated. During regular heating season, heating is provided by hot water being circulated in the system.

CONSTRUCTION

The heater consists of coils of high grade resistance wire which are insulated by incorporating ceramic insulators in plated steel brackets.

High limit thermal cutouts to protect the heater in the event of air failure are provided as standard equipment.

There are many special applications and control sequences for electric heat. Consult factory for special applications.

Electric Heating Capacities (BTUH) = Heater KW x 3415

Electric Heater Amperage = $\frac{\text{Heater KW} \times 1000}{\text{Applied Voltage}}$

TABLE #9

ELECTRIC HEATER SELECTION GUIDE

VOLTAGE	KW	UNIT SIZE							
		06	08	10	12	14	16	18	20
120V	2.0	*	*	*					
	3.0	*	*	*					
208 V 240 V 277 V	2.0	*	*	*					
	3.0	*	*	*					
	4.0	*	*	*	*	*	*	*	*
	5.0		*	*	*	*	*	*	*
	6.0		*	*	*	*	*	*	*
	7.0			*	*	*	*	*	*
	8.0				*	*	*	*	*
	9.0				*	*	*	*	*
	10.0					*	*	*	*
	12.0						*	*	*
	14.0								*

NOTE: All heaters are single stage and single phase. Heaters over 47.9 AMPS are subdivided and fused.

TABLE #10 - STEAM HEATING

BASE STEAM CAPACITIES - BTUH

UNIT SIZE	BTUH	
	1 ROW COIL	2 ROW COIL
06	28,900	52,500
08	38,400	70,000
10	46,000	86,000
12	55,800	103,900
14	65,100	121,200
16	74,400	138,500
18	83,700	155,800
20	92,100	172,000

- Rating based on nom. CFM, 70 degrees EDB, 2 psig steam.
- All capacities above 50,000 BTUH rating are beyond the capacity of the standard valve. Consult factory for these applications.

STEAM PRESSURE CORRECTION FACTORS

EAT °F	STEAM PRESSURE (PSIG)	
	2	5
40	1.202	1.265
50	1.134	1.196
60	1.067	1.125
70	1.000	1.054

Steam Heating Capacity (BTUH) =
Base Capacity x Pressure Correction Factor.
You must correct for CFM if required.

THERMAL OVERLOAD PROTECTION AND UL LISTING

All split capacitor motors furnished by USA Coil & Air contain an internal thermal overload protector, which is designed to tripout when the winding reaches a predetermined temperature. This protector will automatically reset when the temperature returns to a safe limit.

Underwriters' Laboratories, Inc. approves the motor and thermal overload combination at locked rotor conditions only. These combinations are "yellow card listed" and evidence of such protection is stamped directly on the motor.

TABLE #11**MODEL HBL (BASIC)**

VOLT-AGE	DATA	UNITS							
		06	08	10	12*	14*	16*	18*	20*
115V 60Hz 1 PH.	NOMINAL HP	1/8	1/5	1/4	1/10(2)	1/5(2)	1/5(2)	1/4(2)	1/4(2)
	H AMPS	2.70	3.10	5.60	5.30	6.40	8.80	11.80	11.80
	WATTS	280	330	470	550	650	900	1180	1180
	M AMPS	2.00	2.25	3.70	2.92	4.60	6.90	8.30	8.20
	WATTS	200	225	360	305	440	705	770	770
	L AMPS	1.50	1.44	2.60	1.93	3.00	4.20	5.30	5.30
	WATTS	140	135	240	205	280	430	460	460
	NOMINAL HP	1/10	1/5	1/4	1/10(2)	1/10(2)	1/5(2)	1/4(2)	1/4(2)
	H AMPS	1.10	1.80	2.00	2.10	2.10	3.60	4.10	4.10
	WATTS	240	420	430	450	465	740	925	925
	M AMPS	.74	1.26	1.20	1.45	1.45	1.80	2.48	2.48
	WATTS	175	280	260	325	325	360	545	545
208/230V 60Hz 1 PH. ..	L AMPS	.50	.73	.80	1.00	1.00	1.20	1.60	1.60
	WATTS	110	155	165	215	220	330	330	330
	NOMINAL HP	1/5	1/5	1/4	1/5(2)	1/4(2)	1/4(2)	1/4(2)	1/4(2)
	H AMPS	1.15	1.21	1.62	2.40	2.70	3.60	3.72	3.72
	WATTS	275	275	425	550	735	940	980	980
	M AMPS	.69	.69	1.04	1.38	1.90	2.20	2.20	2.20
	WATTS	175	175	260	355	510	560	550	550
	L AMPS	.33	.34	.65	.67	1.30	1.40	1.40	1.40
	WATTS	90	90	155	175	330	335	320	320
	NOMINAL HP	1/10	1/5	1/4	1/10(2)	1/5(2)	1/4(2)	1/4(2)	1/4(2)
	H AMPS	.84	1.40	2.40	1.80	2.60	4.70	5.14	5.20
	WATTS	180	285	515	360	495	1015	1100	1150
220V 50Hz 1 PH.	M AMPS	.64	.95	1.90	1.25	1.80	3.80	4.11	4.11
	WATTS	140	190	410	270	345	815	875	875
	L AMPS	.48	.76	1.30	.95	1.50	2.50	2.70	2.70
	WATTS	100	145	270	190	285	540	570	570

NOTES: 1. *Total Unit Motor Amps & Watts Shown For 2 Motor Units (Sizes 12 through 20).
2. Motor Nameplate Amps May Vary.

TABLE #11**MODEL HRL, HSDL (RETURN PLENUM & DELUXE HIGH STATIC)**

VOLT-AGE	DATA	UNITS							
		06	08	10	12*	14*	16*	18*	20*
115V 60Hz 1 PH.	NOMINAL HP	1/8	1/5	1/4	1/10(2)	1/5(2)	1/5(2)	1/4(2)	1/4(2)
	H AMPS	2.60	3.00	4.50	5.40	6.80	9.80	10.20	10.20
	WATTS	265	310	440	550	690	900	1015	1020
	M AMPS	1.95	2.30	3.40	3.90	5.40	7.70	7.80	7.80
	WATTS	195	220	330	390	560	725	745	750
	L AMPS	1.54	1.50	2.50	3.10	3.50	5.24	5.30	5.30
	WATTS	155	140	225	305	280	450	450	460
	NOMINAL HP	1/10	1/5	1/4	1/5(2)	1/5(2)	1/5(2)	1/4(2)	1/4(2)
	H AMPS	1.00	1.45	1.80	3.20	3.30	3.00	3.70	3.70
	WATTS	235	325	410	700	720	680	820	820
	M AMPS	.72	.95	1.10	2.00	2.00	2.00	2.20	2.20
	WATTS	165	210	250	430	440	445	500	510
208/230V 60Hz 1 PH. ..	L AMPS	.49	.62	.76	1.48	1.48	1.33	1.50	1.50
	WATTS	110	135	160	305	310	285	330	330
	NOMINAL HP	1/5	1/5	1/4	1/5(2)	1/4(2)	1/4(2)	1/4(2)	1/4(2)
	H AMPS	1.10	1.40	1.51	2.40	2.65	3.20	3.50	3.52
	WATTS	270	275	395	535	700	830	900	925
	M AMPS	.70	.69	1.10	1.40	1.96	2.00	2.23	2.23
	WATTS	175	175	260	360	495	510	550	550
	L AMPS	.33	.34	.65	.70	1.30	1.30	1.36	1.36
	WATTS	90	90	155	190	300	300	320	320
	NOMINAL HP	1/5	1/5	1/4	1/5(2)	1/5(2)	1/4(2)	1/4(2)	1/4(2)
	H AMPS	1.33	1.40	2.25	2.25	2.52	4.80	4.80	4.80
	WATTS	250	280	490	445	460	1040	1060	1080
220V 50Hz 1 PH.	M AMPS	.86	.87	1.90	1.56	1.62	3.90	3.92	3.94
	WATTS	170	180	400	310	320	830	850	870
	L AMPS	.70	.74	1.30	1.15	1.35	2.65	2.65	2.65
	WATTS	135	130	270	220	280	560	570	580

MODEL HDL (DELUXE)

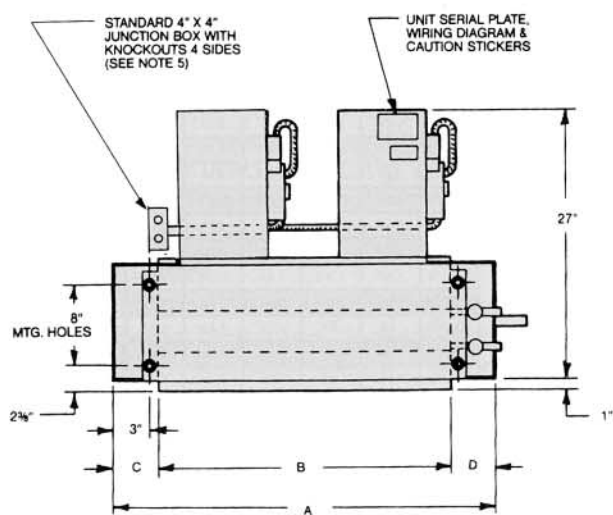
VOLT-AGE	DATA	UNITS							
		06	08	10	12*	14*	16*	18*	20*
115V 60Hz 1 PH.	NOMINAL HP	1/10	1/8	1/5	1/10(2)	1/10(2)	1/5(2)	1/5(2)	1/5(2)
	H AMPS	2.40	3.10	3.70	4.40	5.00	6.50	7.40	8.20
	WATTS	260	275	380	490	520	670	800	840
	M AMPS	1.70	2.10	3.00	3.00	3.00	4.80	6.60	6.60
	WATTS	195	205	300	310	320	470	670	685
	L AMPS	1.15	1.58	2.00	2.10	2.10	3.10	4.10	4.20
	WATTS	125	155	210	210	210	300	420	435
	NOMINAL HP	1/10	1/8	1/4	1/10(2)	1/10(2)	1/8(2)	1/5(2)	1/4(2)
	H AMPS	1.00	1.05	1.80	2.00	2.10	2.90	3.20	3.44
	WATTS	235	230	410	450	470	590	705	810
	M AMPS	.72	.65	1.05	1.40	1.50	2.10	2.00	2.20
	WATTS	165	145	220	300	340	440	420	495
208/230V 60Hz 1 PH. ..	L AMPS	.48	.48	.75	1.05	1.10	1.45	1.55	1.50
	WATTS	105	105	160	225	230	300	315	320
	NOMINAL HP	1/10	1/10	1/5	1/10(2)	1/10(2)	1/10(2)	1/5(2)	1/4(2)
	H AMPS	.72	.90	1.27	1.44	1.60	1.70	2.80	3.30
	WATTS	205	270	285	370	450	470	620	870
	M AMPS	.51	.71	.73	.89	1.28	1.20	1.65	2.20
	WATTS	140	190	180	235	330	350	420	545
	L AMPS	.31	.57	.37	.63	.90	.90	.95	1.36
	WATTS	90	155	95	135	250	250	230	320
	NOMINAL HP	1/10	1/10	1/5	1/10(2)	1/10(2)	1/5(2)	1/5(2)	1/4(2)
	H AMPS	.84	.84	1.40	1.60	1.70	2.80	2.90	4.50
	WATTS	160	175	290	330	360	500	960	1050
220V 50Hz 1 PH.	M AMPS	.63	.63	.89	1.20	1.25	1.67	1.70	2.90
	WATTS	130	130	185	240	270	340	340	600
	L AMPS	.50	.50	.76	.84	.91	1.40	1.20	1.76
	WATTS	100	100	160	190	200	290	230	360

NOTES: 1. *Total Unit Motor Amps & Watts Shown For 2 Motor Units (Sizes 12 through 20).
2. Motor Nameplate Amps May Vary.

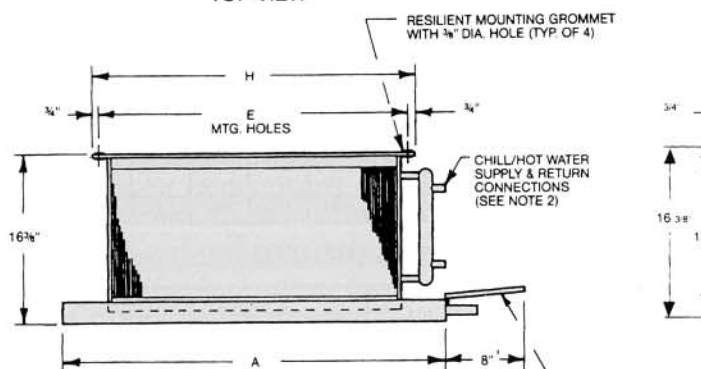
3 Dimensions

Basic Unit

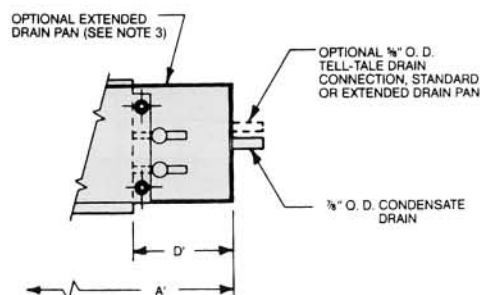
HBL - BASIC UNIT - 600 CFM THRU 2000 CFM



TOP VIEW



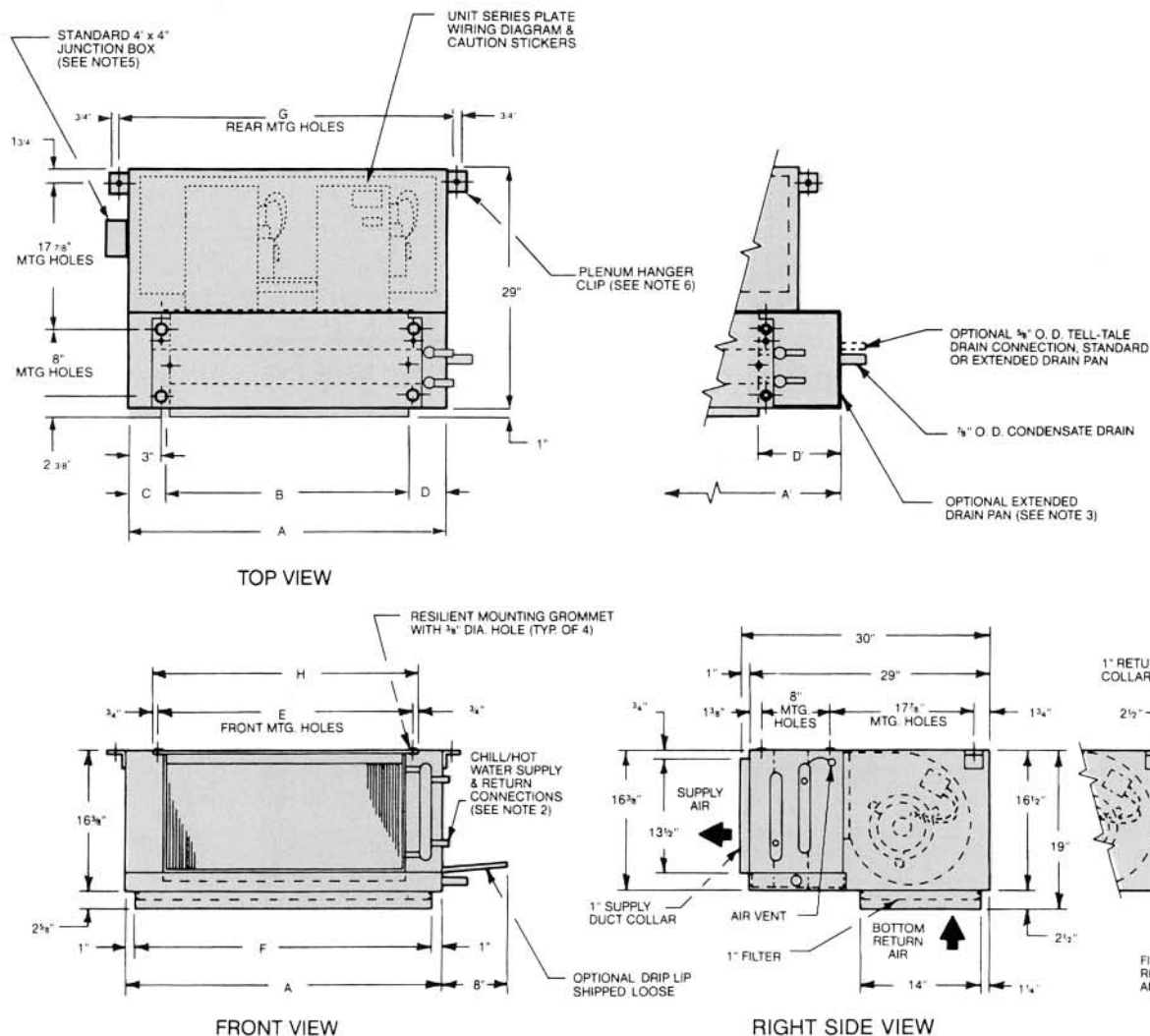
FRONT VIEW



RIGHT SIDE VIEW

MODEL	DIMENSIONS - INCHES							
	A	A'	B	C	D	D'	E	H
HBL06	23	32	14	4 1/2	4 1/2	13 1/2	17	18 1/2
HBL08	28	37	19	4 1/2	4 1/2	13 1/2	22	23 1/2
HBL10	32	42	23	4 1/2	4 1/2	14 1/2	26	27 1/2
HBL12	37	47	28	4 1/2	4 1/2	14 1/2	31	32 1/2
HBL14	42	52	33	4 1/2	4 1/2	14 1/2	36	37 1/2
HBL16	47	56	38	4 1/2	4 1/2	13 1/2	41	42 1/2
HBL18	52	62	43	4 1/2	4 1/2	14 1/2	46	47 1/2
HBL20	56	66	47	4 1/2	4 1/2	14 1/2	50	51 1/2

- NOTES: 1. R.H. shown, L.H. opposite.
 2. See submittal drawing for coil connections.
 3. Optional drip lip not required with optional extended drain pan.
 4. All dimensions +/- 1/4\"/>

HRL - RETURN PLENUM UNIT - 600CFM THRU 2000 CFM

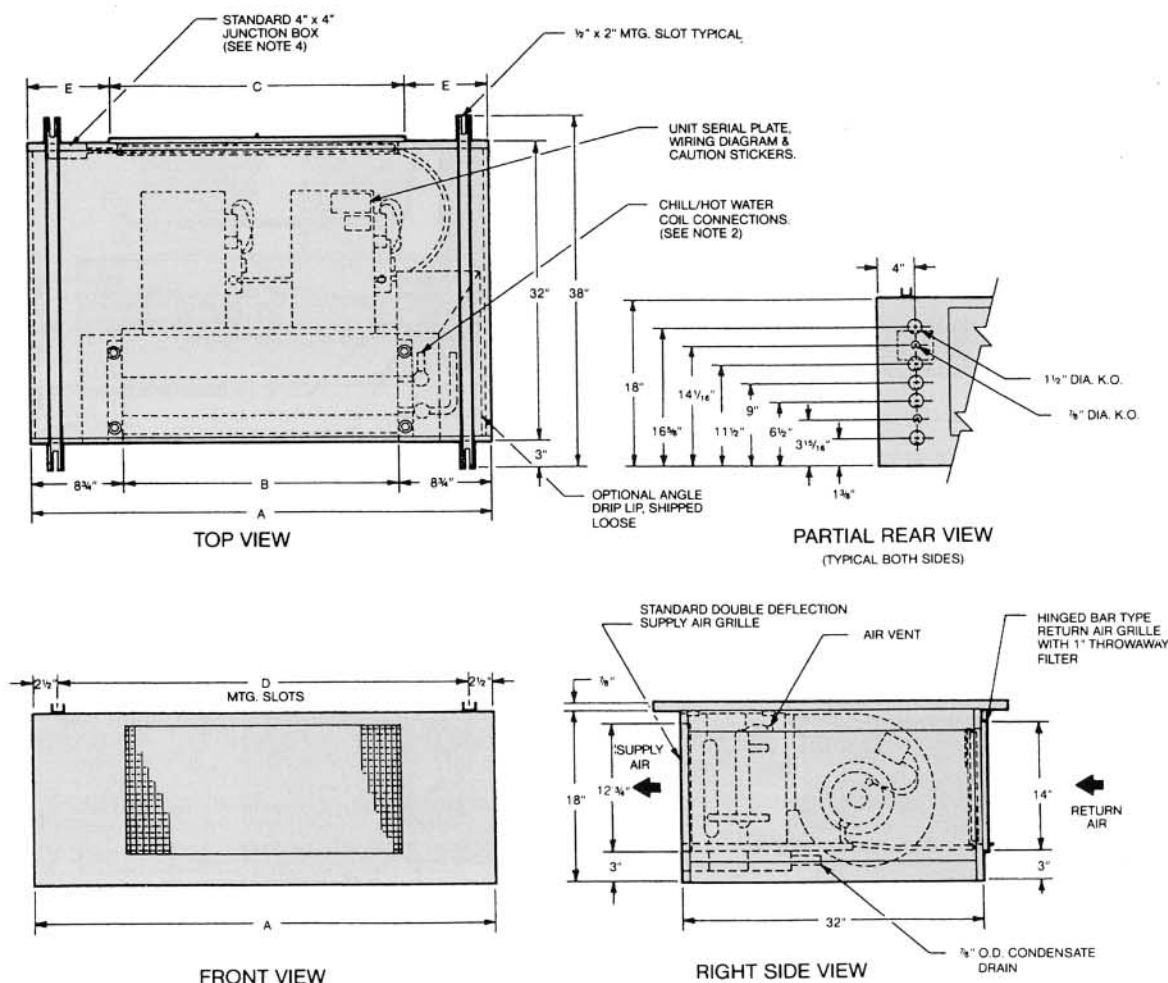
MODEL	DIMENSIONS - INCHES									
	A	A'	B	C	D	D'	E	F	G	H
HRL06	23	32	14	4 1/2	4 1/2	13 1/2	17	21	25 1/4	18 1/2
HRL08	28	37	19	4 1/2	4 1/2	13 1/2	22	26	30 1/4	23 1/2
HRL10	32	42	23	4 1/2	4 1/2	14 1/2	26	30	34 1/4	27 1/2
HRL12	37	47	28	4 1/2	4 1/2	14 1/2	31	35	39 1/4	32 1/2
HRL14	42	52	33	4 1/2	4 1/2	14 1/2	36	40	44 1/4	37 1/2
HRL16	47	56	38	4 1/2	4 1/2	13 1/2	41	45	49 1/4	42 1/2
HRL18	52	62	43	4 1/2	4 1/2	14 1/2	46	50	54 1/4	47 1/2
HRL20	56	66	47	4 1/2	4 1/2	14 1/2	50	54	58 1/4	51 1/2

- NOTES: 1. R.H. shown, L.H. opposite.
 2. See submittal drawing for coil connections.
 3. Optional drip lip not required with optional extended drain pan.
 4. All dimensions +/- 1/4".
 5. Junction box may vary.
 6. Plenum hanger clip location may vary depending on unit accessories.
 7. A' and D' dimensions are for extended pan option.

3 Dimensions

Deluxe Unit

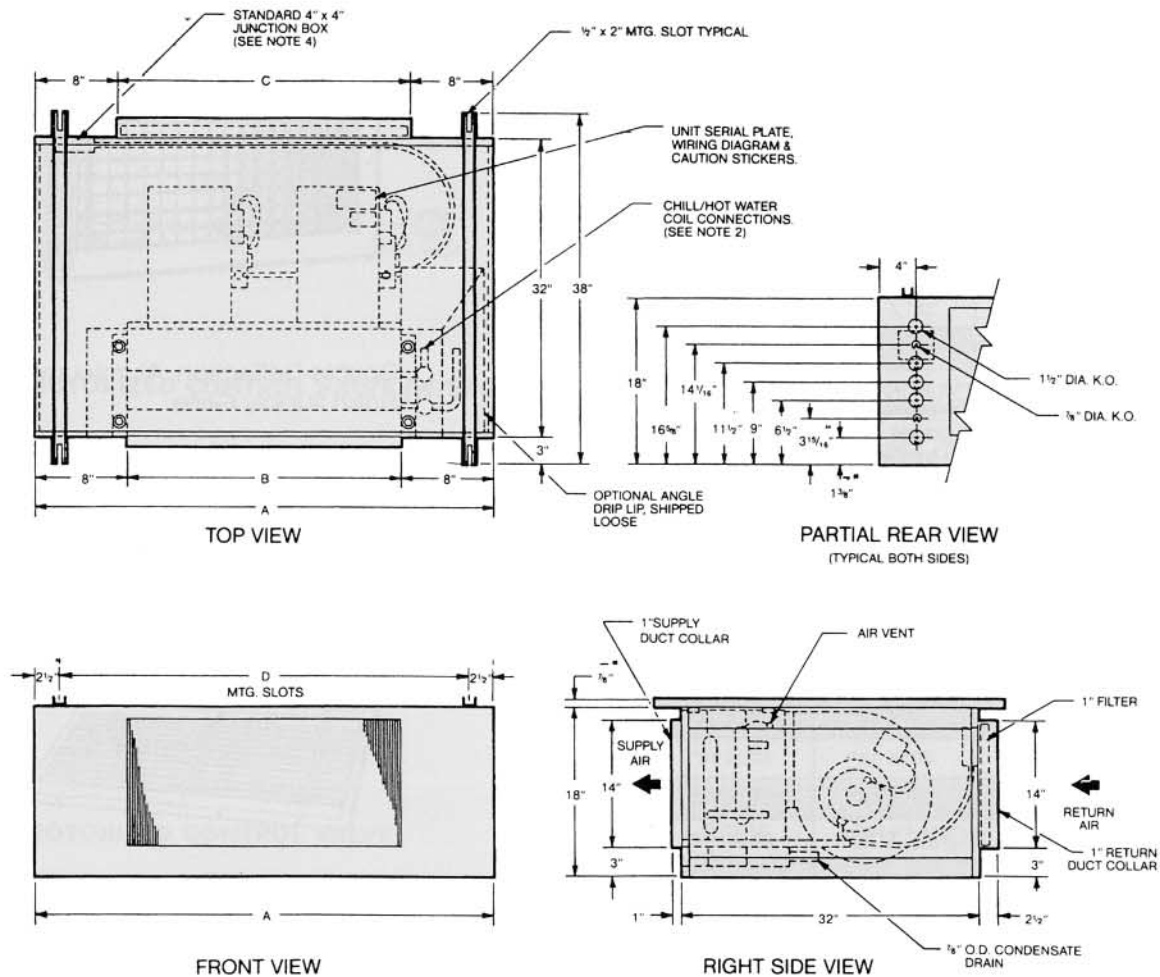
HDL - DELUXE UNIT - 600CFM THRU 2000 CFM



MODEL	DIMENSIONS - INCHES				
	A	B	C	D	E
HDL06	31	13	14	26	8 1/2
HDL08	36	18	20	31	8
HDL10	40	22	24	35	8
HDL12	45	27	28	40	8 1/2
HDL14	50	32	34	45	8
HDL16	55	37	38	50	8 1/2
HDL18	60	42	44	55	8
HDL20	64	46	48	59	8

- NOTES: 1. R.H. shown, L.H. opposite.
 2. See submittal drawing for coil connections.
 3. All dimensions +/- 1/4".
 4. Junction box may vary.

HSDL (HIGH STATIC) - GALVANIZED ENCLOSED CABINET - 600CFM THRU 2000 CFM



MODEL	DIMENSIONS - INCHES			
	A	B	C	D
HSDL06	31	15	15	26
HSDL08	36	20	20	31
HSDL10	40	24	24	35
HSDL12	45	29	29	40
HSDL14	50	34	34	45
HSDL16	55	39	39	50
HSDL18	60	44	44	55
HSDL20	64	48	48	59

- NOTES: 1. R.H. shown, L.H. opposite.
 2. See submittal drawing for coil connections.
 3. All dimensions +/- 1/4".
 4. Junction box may vary.

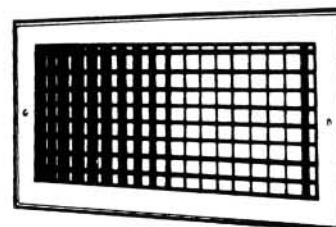
4 Options & Accessories

Filters & Grilles

SUPPLY AIR GRILLES

SUPPLY AIR GRILLE SIZES			
UNIT SIZE	NOMINAL CFM	RECOMMENDED GRILLE SIZES	
		HBL, HRL	HSDL
06	600	14" X 14"	15" X 14"
08	800	19" X 14"	20" X 14"
10	1000	23" X 14"	24" X 14"
12	1200	28" X 14"	29" X 14"
14	1400	33" X 14"	34" X 14"
16	1600	38" X 14"	39" X 14"
18	1800	43" X 14"	44" X 14"
20	2000	47" X 14"	48" X 14"

NOTE: 1. Refer to Physical Data pages for actual unit return opening dimensions. Field furnished duct transitions may be required.

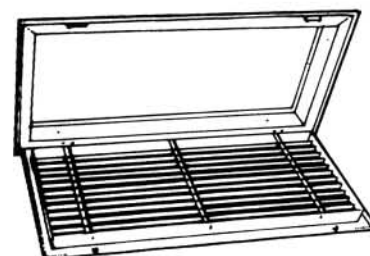


Double Deflection, Aluminum Finish Supply Grille

RETURN AIR GRILLES

RETURN AIR GRILLE SIZES			
UNIT SIZE	NOMINAL CFM	RECOMMENDED GRILLE SIZES	
		HBL, HRL	HSDL
06	600	21" X 14"	15" X 14"
08	800	26" X 14"	30" X 14"
10	1000	30" X 14"	24" X 14"
12	1200	35" X 14"	29" X 14"
14	1400	40" X 14"	34" X 14"
16	1600	45" X 14"	39" X 14"
18	1800	50" X 14"	44" X 14"
20	2000	54" X 14"	48" X 14"

NOTE: 1. Refer to Physical Data pages for actual unit return opening dimensions. Field furnished duct transitions may be required.

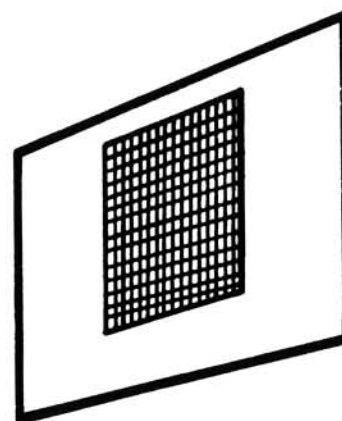


Hinged, Bar-type, Aluminum Finish Return Grille with Throw-away Filter

FILTERS

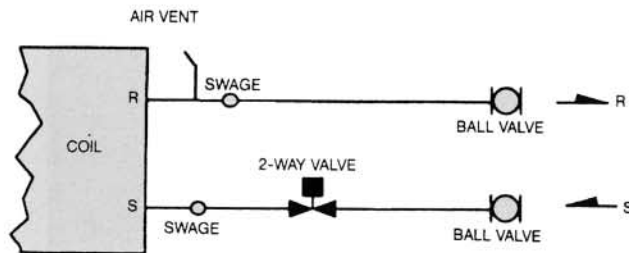
UNIT SIZE	NOMINAL 1" FILTER SIZE	
	HBL, HRL	HDL, HSDL
06	14" X 21"	14" X 14 3/4"
08	14" X 26"	14" X 19 3/4"
10	14" X 30"	14" X 23 3/4"
12	14" X 35"	14" X 28 3/4"
14	14" X 40"	14" X 33 3/4"
16	14" X 45"	14" X 38 3/4"
18	14" X 50"	14" X 43 3/4"
20	14" X 54"	14" X 47 3/4"

NOTE: 1. Use when bottom return and 6" legs are supplied.
2. Filter size for HBL Model is the recommended filter size only. No filter is factory provided with this model.



Double Deflection, Integral Supply Grille
(Painted to match color of unit)

2-WAY MOTORIZED CONTROL VALVE



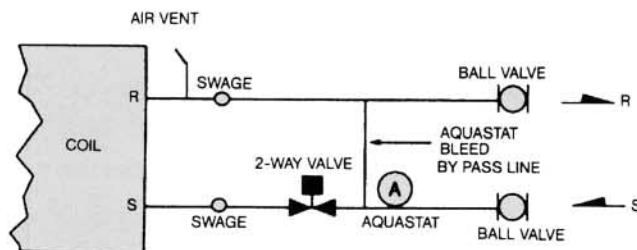
CODE

G.
H.
N, P.
Q, R.

APPLICATION

2-PIPE - HYDRONIC HEATING ONLY
2-PIPE - HYDRONIC COOLING ONLY
2-PIPE - HYDRONIC COOLING WITH
TOTAL ELECTRIC HEAT
4-PIPE - HYDRONIC COOLING AND
HEATING

2-WAY MOTORIZED CONTROL VALVE (W/BY-PASS)



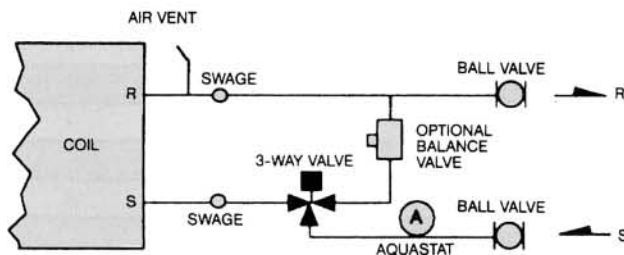
CODE

J, K.
L, M.

APPLICATION

2-PIPE - COOLING AND HEATING
2-PIPE - HYDRONIC HEATING WITH AUX-
ILIARY ELECTRIC HEAT

3-WAY MOTORIZED CONTROL VALVE



CODE

G.
H.
J, K.
L, M.

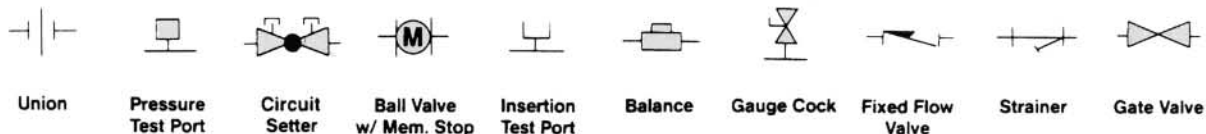
APPLICATION

2-PIPE - HYDRONIC HEATING ONLY
2-PIPE - HYDRONIC COOLING ONLY
2-PIPE - COOLING AND HEATING
2-PIPE - HYDRONIC HEATING WITH AUX-
ILIARY ELECTRIC HEAT
2-PIPE - HYDRONIC COOLING WITH
TOTAL ELECTRIC HEAT
4-PIPE - HYDRONIC COOLING AND
HEATING

Consult USA Coil & Air valve package and piping components manual or your local representative for detailed piping and valve application information

Factory provided valve packages are assembled, brazed, wired electrically and fit to the coil connections before preparing for shipment. Field brazing to the coil completes the installation. Some applications dictate ship loose isolation valves.

OTHER PIPING OPTIONS



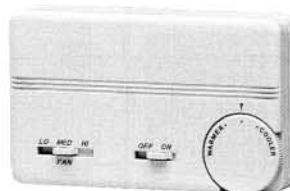
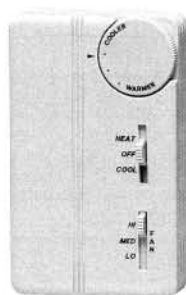
4 Options & Accessories

Control Packages

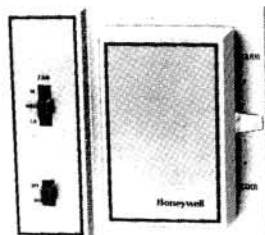
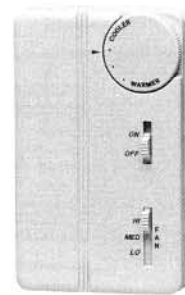
CONTROL PACKAGES



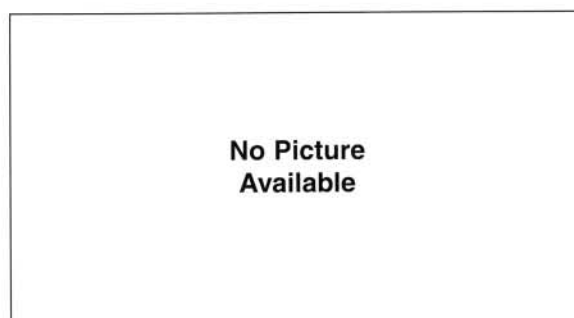
155-A



155-B



Wall Series 4039



Wall Mount Switch

UNIT TYPE	CONTROL OPTION	SYSTEM TYPE	CHANGEOVER	1. SERIES 155-A Horiz./Vert.	2. SERIES 155-B Horiz./Vert.	WALL SERIES #4039	WALL MOUNT SWITCH ONLY
2 PIPE	Valve Cycle	Heat Only	None		X	X	X
		Cool Only	None		X	X	X
		Heat/Cool	Manual	X		X	
			Auto		X	X	X
	Continuous Fan Operation	Heat/Cool w/Aux. Electric Heat	Manual	X		X	
			Auto		X	X	X
		Cool w/Total Electric Heat	Manual	X		X	
			Auto		X	X	X
4 PIPE	Valve Cycle Continuous Fan Operation	Heat/Cool	Manual	X		X	
			Auto		X	X	X

1. Use 155-A in Horiz. or Vertical for 2 Pipe or 4 Pipe – Manual c/o only
2. Use 155-B in Horiz. or Vertical for Heat only/Cool only or Automatic c/o only

OTHER CONTROL OPTIONS (Consult Factory)

- Control packages with valve cycle control are continuous fan operation only.
- All wall mount control packages shipped loose for field installation.
- Aquastats included in pricing of package (as required).
- Use wall mount switch only when thermostats are to be field furnished and installed. Factory will provide fan switch, aquastat (if required) and a U.L. wiring diagram to match the application.
- Low voltage – 24V. control application – consult factory
- Single power source wiring – consult factory
- Unit mounted speed switch and remote mounted t'stat – consult factory