HORIZONTAL SINGLE AND DOUBLE WALL BELT DRIVE AIR HANDLER

DX OR CHILLED WATER COOLING WITH
HOT WATER OR ELECTRIC HEAT

MADE IN USA

SIZES FROM 600 CFM TO 9,000 CFM

All Technical Specifications are Subject to Change without Notice. For more information contact Customer Service
Phone (817)624.0820 Fax (817)624.8581

COMMERCIAL AIRE PRODUCTS 501 Terminal Road, Fort Worth TX 76106 Tel: 817-624-0820

STANDARD FEATURES

CONSTRUCTION

-Single and Double wall post and panel construction from heavy gauge galvanized steel.
-1" Insulation sandwiched between double wall galvanized panels.
-1” foil faced insulation on single wall units.
-IAQ drain pan sloped 3-ways.
-Drain pans made from 304 stainless steel.
-Integral auxiliary drain pan.
-Both sides of cabinet include gasket, service access panels.
-Factory installed mounting rails provided for unit suspension system on units up to 3000 cfm. Capped Knockouts to be provided for units over 3000 cfm and larger to accommodate threaded rods to pass through unit corners
-All cabinet parts are assembled with stainless steel hardware.
-All access panels can be removed while unit is suspended without affecting the unit's structure.

BLOWER ASSEMBLY

-Blower sections feature base mounted motors and adjustable motor bases for ease of service mounted on RIS isolators for quite vibration free operation.
-All blowers are mounted to 12-gauge support channels on rubber isolators.
-Blower exits cabinet through flexible rubber isolators.
-A discharge duct flange is provided.

FILTER SECTION

-2" TA flat filters are standard on all units.

COIL SECTION

-3/8", ½” & 5/8” O.D. seamless copper tube on sizes 24 to 240
-Coil and drain pan assembly slides into cabinet from either side of unit for left hand or right hand piping and electrical connections.
-Units can accept up to 10 rows of coil without modification.
-Manual air vents are accessible

STANDARD MOTORS

-ODP Motor is mounted to a 12 gauge adjustable base attached to the unit floor with rubber isolators
-115/230v 1ph, 277v 1ph, 208/230/460v 3ph.
-All units are ETL listed.

OPTIONAL FEATURES

CONSTRUCTION

-Liner options include stainless steel or Anti-microbial coating. (double wall only)
-Powder coated cabinet.
-Pre-painted steel cabinet on units up to 4000 cfm
-1/2” foil faced and 7/8 closed cell are offered on single wall units.

FILTER SECTION

-Double wall filter section accepts 2" or 4" flat filters.
-Filter access for (24-240) from sides only.
-2" pleated (30%), 4" pleated (65%, 85%, 95%).
-MIXING BOXES
*MB3-** Mixing Box with 3 position Manual Control (Non filtered)
*MBM-** Mixing Box suitable for Modulating Actuator Control (Non Filtered)
*FMB3-** Filtered Mixing Box w/3position Manual Control (2” TA Filter)
*FMBM-** Filtered Mixing Box w/ suitable for modulating Control (2” TA Filter)
*FS-** Return Filter Sec. w/ MERV-7 30% Pre Filter & MERV-11 65% Fin. Filter
*DFS-** Discharge Filter Section w/12” MERV-15 & 95% HEPA Filters
*MSS-** Motor Stop/Start Station
VDP** Vertical Discharge Plenum
VRG** Return Grill for Vertical Unit

ELECTRIC HEAT SECTION

-Factory Supplied for Field Mounting
- Reheat Configurations.
-Single point power connection.
-Custom staging and controls.
-Available Voltages: Single phase (115v, 230v, 277v)
Three phase (208v, 230v, 460v, 575v)

VFD’S - Variable Frequency Drives

Available for Field installation.

COIL SECTION

-2, 4, 6, 8 or 10 row coil options. (8 row max on 180/240)
-Heating coils are factory installed in preheat or reheat positions.
-Steam coils-Low Pressure, less than 5 PSI.
-Optional tube diameters.
-E-coated coil option
-Optional stainless steel end plates.
-Face split, row split, intertwined circuiting available.
-Face and bypass dampers.
-Automatic air vents.

MOTOR OPTIONS

-TEFC
-High efficient.
-2-speed 2-winding.
-575 volt

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GUIDE SPECIFICATIONS

Unit Description:
Horizontal belt drive with optional chilled water, hot water, steam or DX coils. Galvanized steel cabinet can be double or single wall construction. Unit designated to be installed in above ceiling space. Units have full service access from both sides of the cabinet.

Quality Assurance:
Coils are factory tested under water at 500 psig for operating pressures to 400 psig. Insulation and adhesive shall meet the NFPA-90A standard for smoke and flame spread.

Delivery, Handling and Storage:
Units have to be stored and handled in accordance with equipment manufacturer's recommendations.

PRODUCTS

Equipment:

A. Factory assembled, horizontal, draw-thru blower coil units, for installation above the ceiling. Units shall be complete with chilled or hot water, steam or DX coils, fans and motor, belt and drives, drain pan and filter rack to accept 2" or 4" TA filters.

Cabinet, Single wall:

B. Post and panel construction shall be from heavy gauge galvanize steel, lined with 1" 1.5 lb density and 0.5" as an option fiber glass Thermal acoustical insulation 7/8" closed cell is offered as an option too. Unit sizes 024 to 060 include a factory mounted suspension rail mounted to the bottom of the unit. Capped Knockouts to be provided for units over 3000 cfm and larger to accommodate threaded rods to pass through unit corners. Supply and return flanges to be 1" long. Large removable access panels shall be on both sides of unit.

Cabinet, Double wall:

C. Post and panel construction shall be from heavy gauge galvanize steel, lined with 1" 1.5 lb density fiber glass Thermal acoustical insulation, lined with smooth galvanized steel. Unit sizes 024 to 060 include a factory mounted suspension rail mounted to the bottom of the unit. Capped Knockouts to be provided for units over 3000 cfm and larger to accommodate threaded rods to pass through unit corners. Supply and return flanges to be 1" long. Large removable access panels shall be on both sides of unit.

Drain Pan:

D. The primary shall be stainless steel and include a built in overflow pan with a 1" MPT secondary and a 1" MPT primary drain connection. Secondary drain shall be galvanized or stainless steel to prevent corrosion should an overflow occur.

Coil Section:

E. Entire coil section cabinet shall be double wall lined with smooth galvanized steel for easy cleaning and coil removal.

Blowers:

F. Belt Drive DWDI (double with, Double Inlet) fan wheel shall be forward curved blades and be factory statically and dynamically balanced. Blower's drives shall consist of cast iron variable pitch motor pulley and V-belt. Blowers and scrolls shall be manufactured from galvanized steel.

Coils:

G. Coil tube diameters shall be 0.375", 0.50" or 0.625" OD copper tubes, aluminum fins mechanically bonded to the tubes and have a working pressure of 250 psig at 200 ºF. Each water coil shall have manual air vents and sweat connections, which have to be accessible from the exterior of cabinet. Coils shall be circuited so they can be switched from right to left hand piping access while maintaining counter flow water circuiting.

Motors:

H. Motors shall be Open Type, Drip Proof, single or 2 speed, 60 Hz 1750 RPM, 1 or 3 phases, suitable for continuous duty at 130 ºF; single phase motors are capacitor start, include automatic reset thermal over-load protection and are available in 115, 208, 230 and 277 volts. Three phase motors are available in 208, 230, 460 or 575 volts. Motors shall be resilient base mounted up to 2 hp. From 3 hp and up shall be rigid base mounted.

Electric Heat:

I. Electric heat shall be designed to mount at the discharge air openings of the unit. Electric heat are factory supplied for field installation and shall include a de-energizing magnetic control contactor per stage with a capacity of 48 Amps per circuit and include a secondary over-temperature switch. Heaters shall include fan-interlocking, power and control terminal boards with grounding lugs. An automatic limit switch shall provide aver-temperature protection and a manual reset limit switch shall provide secondary over-temperature protection.

Filters:

J. Standard filter rack shall include 2" TA filters but are suitable for 4" TA filters. With options for 2" and 4" pleated filters. Filter racks have to be accessible from both sides.

CAP DESCRIPTION MODEL NUMBER NOMENCLATURE - PAGE #1

HP	H	W	E	D	A	0	9	0	B	3	2	2	5	1	.	2	5	2	4	2	A	R	H	6
TYPE	MODEL				CM	SIZE			BS	CFM				ESP				COIL ROWS			RF	CN	MOTOR	

UNIT TYPE

HP	HIGH PERF
EC	ECM MOTOR
BD	BELT DRIVE

UNIT CONFIGURATION

H	HORIZONTAL
V	VERTICAL
M	MODULAR
R	ROOFTOP

COOLING OPTIONS

W	CHILLED WATER
X	DIRECT EXPANSION
0	NO COOLING

HEATING OPTIONS

H	HOT WATER
S	STEAM
E	ELECTRIC
O	NO HEAT

UNIT INSULATION

S	SINGLE WALL 1" F F FIBERGLAS
D	DOUBLE WALL
U	SINGLE WAL 7/8" CLOSED CELL
X	SPECIAL

CABINET MATERIAL

A	GALVANIZED STEEL
B	PRE-PAINTED STEEL
C	POWDER PAINTED

UNIT SIZE

024	24000
036	36000
048	48000
060	60000
090	90000
120	120000
180	180000
240	240000

BLOWER SIZE OPTIONS

1	9 X 4
2	9 X 6
3	9 X 9
4	10 X 10
5	12 X 12
6	15 X 11
7	15 X 15
8	18 X 18

PRE-HEAT

0	NO PH
1	1- ROW
2	2-ROW

COOLING

0	NO COOLING
2	2-ROWS
4	4-ROWS
6	6-ROWS
8	8-ROWS

RE-HEAT

0	NO RH
1	1- ROW
2	2-ROW

REFRIGERANT

A	R-410A
B	R-22
C	R-NU22
D	R-134A
0	NONE

PIPING CONNECTIONS

R	RIGHT HAND
L	LEFT HAND

ALL CONNECTIONS ARE SET
LOOKING THE UNIT IN THE AIR FLOW DIRECTION

MOTOR SIZE AND VOLTAGE OPTIONS

1ST DIGIT

A	0.25 HP
B	0.33 HP
C	0.50 HP
D	0.75 HP
E	1.00 HP
F	1.50 HP
G	2.00 HP
H	3.00 HP
I	5.00 HP
J	7.50 HP
K	10.0 HP

2ND DIGIT

1	115/1 ODP/HE
2	208/1 ODP/HE
3	230/1 ODP/HE
4	277/1 ODP
5	208/3/60/ODP/HE
6	230/3/60/ODP/HE
7	460/3/60/ODP/HE
8	575 /3/60/ ODP/HE

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BELT DRIVE UNITS

CAP DESCRIPTION MODEL NUMBER NOMENCLATURE - PAGE #2

B	B	C	0	E	1	0	0	.	0	C	0	0	C	F	0	1	1
OAO	UNIT ACCS			V	EH KW					HTR ACCS			V	VFD ACCS		REV.	REV.

FACTORY USE		

OUTSIDE AIR OPTIONS

O	NONE
A	MIXING BOX W/ PLEATED FILTER 2"
B	MB W/ 3 POSITION CONTROL PACKAGE
C	MB W/MODULATING CONTROL PACKAGE
E	FACE & BYPASS DAMPER W/FILTER SEC.
F	100% OUTSIDE AIR HOOD W/DAMPER
G	30% OUTSIDE AIR HOOD W/DAMPER
X	SPECIAL

UNIT ACCESSORIES

O	NONE
A	PLEATED FILTER 2"
B	DISCHARGE GRILL PLENUM
C	RETURN GRILL AIR PLENUM
	MOTOR START STOP
E	STATION
F	ROOF CURB 12"
G	ROOF CURB 14"
X	SPECIAL

HEATER VOLTAGE

0	NO HEATERS
A	115/1
B	208/1
C	230/1
E	277/1
F	208/3
G	230/3
H	460/3
J	575/3

HEATER CAPACITY

	1.0 to 100.0 KW IN .1 Kw increments
0	NO HEATERS

HEATER ACCESSORIES

0	NO ACCESSORIES
A	Single point line Conn.
B	SCR Controls
C	Start Stop Control St
D	None

VFD ACCESORIESS

0	NO ACCESSORIES
A	REM MTG KIT
B	LCP11 CONT PANEL
C	LCP12 CONT PANEL
D	NE/UL TY1 K FOR M1 FR
E	NE/UL TY1 K FOR M2 FR
F	NE/UL TY1 K FOR M3 FR
G	DECOUPLING PLT KIT FOR M1&M2 FRAME
H	DECOUPLING PLT KIT FOR M3 FRAME
I	IP21 FOR M1 FRAME
J	IP21 FOR M2 FRAME
K	IP21 FOR M3 FRAME
L	DIN RAIL MTG KIT

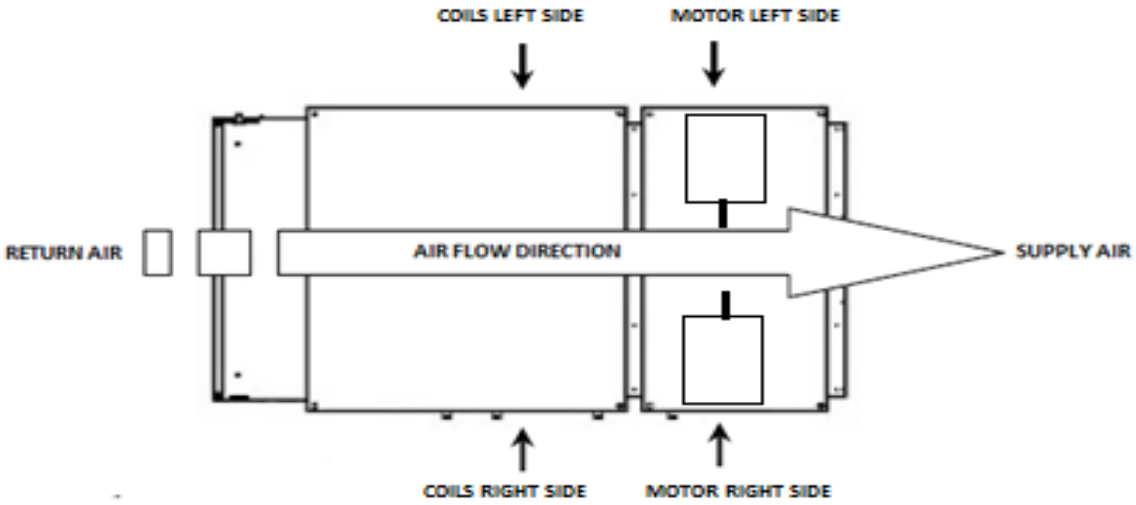
VFD SIZE

0	NO VFD
A	0.25 HP 230/1
B	0.50 HP 230/1
C	1.00 HP 230/1
D	2.00 HP 230/1
E	3.00 HP 230/1
F	0.33 HP 230/3
G	0.50 HP230/3
H	1.00 HP 230/3
I	2.00 HP 230/3
J	3.00 HP 230/3
K	5.00 HP 230/3
L	0.50 HP 460/3
M	1.00 HP 460/3
N	2.00 HP 460/3
P	3.00 HP 460/3
Q	5.00 HP 460/3
R	7.50 HP 460/3
S	10.0 HP 460/3

For more information contact Customer Service

Phone: 817-624-0820 Fax: 817-624-8581

COIL DATA															
MODEL	FIN BLOCK	FACE	ROWS	FPI	WATER CONN.	DX CONN		MODEL	FIN BLOCK	FACE AREA	ROWS	FPI	WATER CONN.	DX CONN	
	H X W	AREA			HEADER OD	SUCT	LIQ		H X W				HEADER OD	SUCT	LIQ.
24-R	10 X 31	2.15	1	10	5/8	N/A	N/A	90-R	22.5 X 47	7.34	2	10	7/8	N/A	N/A
			2			N/A	N/A				4		1-1/8	1-3/8	5/8
			4		7/8	7/8	3/8				6		1-5/8	1-5/8	5/8
			6			7/8	3/8				8		1-5/8	1-5/8	5/8
			8			7/8	3/8	120-R	28 X 47	9.14	2		7/8	N/A	N/A
36-R	13 X 31	2.8	1		5/8	N/A	N/A				4		1-1/8	1-5/8	5/8
			2			N/A	N/A				6		1-5/8	1-5/8	5/8
			4		7/8	7/8	3/8				8		1-5/8	1-5/8	5/8
			6			7/8	3/8	180-R	30 X 60	12.5	2		1-3/8	N/A	N/A
			8			1-1/8	3/8				4		1-5/8	1-5/8	5/8
48-R	15 X 40	4.17	1		5/8	N/A	N/A				6		1-5/8	2-1/8	5/8
			2			N/A	N/A				8		2-1/8	2-1/8	5/8
			4		1-1/8	7/8	½	240-R	42.5 X 60	17.70	2		1-3/8	N/A	N/A
			6			1-1/8	½				4		1-5/8	2-1/8	5/8
			8		1-1/8	1-3/8	½				6		2-1/8	2-1/8	5/8
60-R	17.5 X 40	4.86	1		5/8	N/A	N/A				8		2-1/8	2-1/8	5/8
			2			N/A	N/A	CONTACT THE FACTORY FOR ADDITONAL COIL INFORMATION							
			4		1-1/8	7/8	½								
			6		1-1/8	1-1/8	½								
			8			1-3/8	½								



HORIZONTAL FILTER ARRANGEMENTS

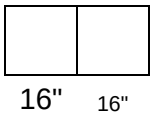
STANDARD FILTER RACK

SINGLE & DOUBLE WALL

(HFDA) ACCEPS 2" OR 4" TA OR PLATED FILTERS

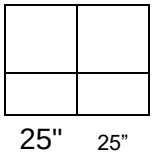
FILTER SIZE	UNIT MODEL	24	36	48	60	90	120	180	240
	14" X 20" X 2/4"								
	14" X 25" X 2/4"					4	4		
	16" X 16" X 2/4"	2	2						
	16" X 20" X 2/4"							4	4
	16" X 25" X 2/4"							4	4
	20" X 20" X 2/4"			2	2				
	FILTER TOTAL	2	2	2	2	4	4	8	8

24/36
2-
16"X16"X2/4"



48/60
2-
20"X20"X2/4"

90/120
4-
14"X25"X2/4"



180/240
4-
16"X20"X2/4"
4-
16"X25"X2/4"

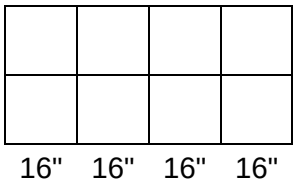


CHART ABOVE SHOWS SPECIFIC FILTER ARRANGEMENTS

2” & 4" FILTER RACKS FOR UNITS FROM 24 TO 240 ARE SIDE LOADING ONLY

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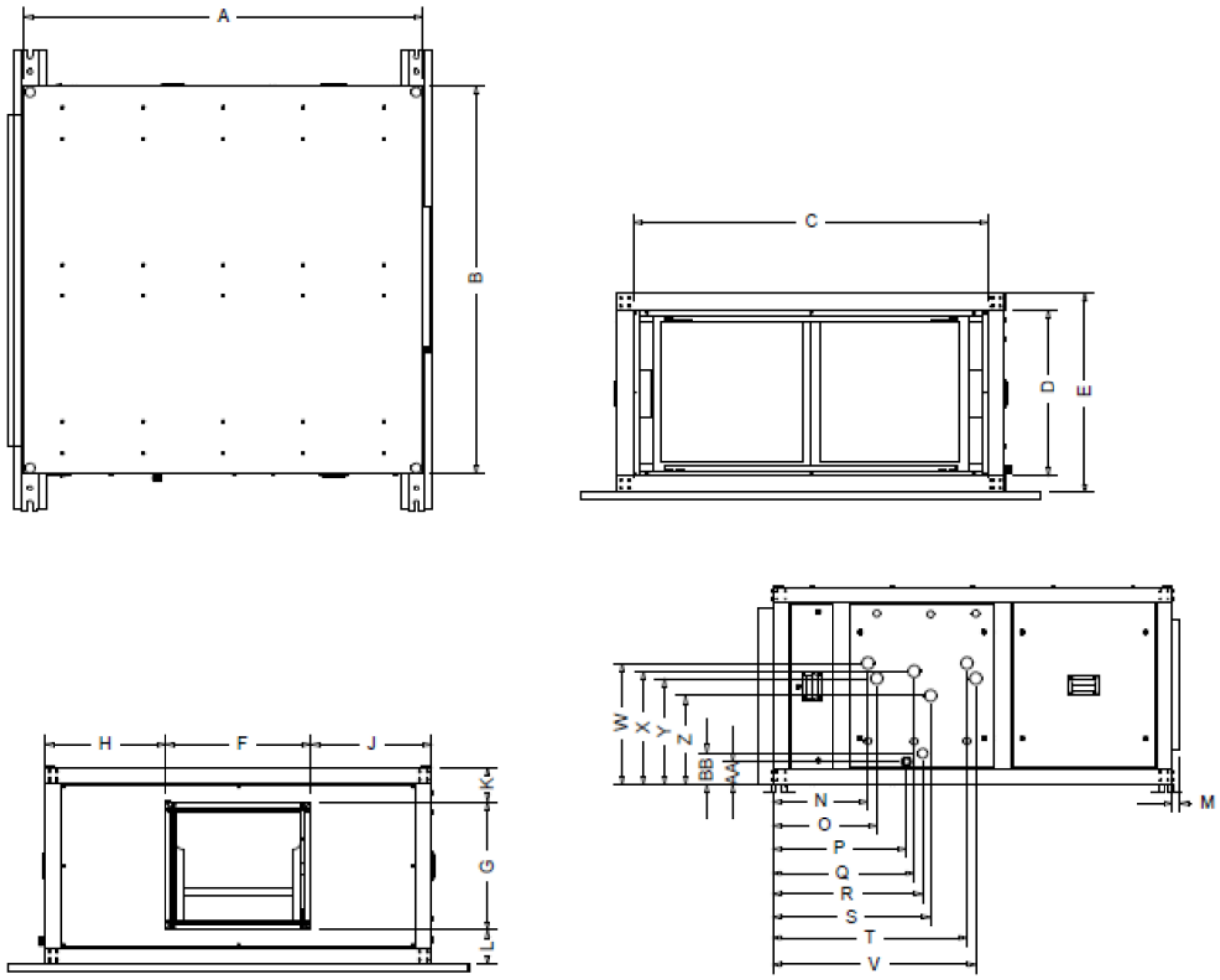
UNIT DIMENSIONS SINGLE & DOUBLE WALL 024 TO 240



HORIZONTAL SINGLE & DOUBLE WALL DIMENSIONS FROM 024 TO 120													
UNIT	**A**	**B**	**C**	**D**	**E**	**F**	**G**	**H**	**J**	**K**	**L**	**M**	**N**
H***A-024	49.50	39.00	34.93	16.06	20.06	14.00	12.50	12.50	12.50	2.01	5.55	1.00	11.42
H***A-036	49.50	39.00	34.93	16.06	20.06	14.00	12.50	12.50	12.50	2.01	5.55	1.00	11.42
H***A-048	49.50	48.00	43.93	20.56	24.56	18.00	16.00	14.98	14.98	4.28	4.28	1.00	11.78
H***A-060	49.50	48.00	43.93	20.56	24.56	18.00	16.00	14.98	14.98	4.28	4.28	1.00	11.78
H***A-090	63.00	57.09	53.00	32.41	36.69	19.97	17.53	18.52	18.52	9.53	9.53	1.00	12.75
H***A-120	63.00	57.09	53.00	32.41	36.69	19.97	17.53	18.52	18.52	9.53	9.53	1.00	12.75

UNIT	**O**	**P**	**Q**	**R**	**S**	**T**	**V**	**W**	**X**	**Y**	**Z**	**AA**	**BB**
H***A-024	13.79	16.80	20.05	34.93	16.06	23.72	26.10	11.43	11.55	9.18	9.05	2.79	3.89
H***A-036	13.79	16.80	20.05	34.93	16.06	23.72	26.10	11.43	11.55	9.18	9.05	2.79	3.89
H***A-048	12.86	16.48	48.00	43.93	19.45	24.03	25.12	13.19	11.07	15.07	14.07	2.82	3.85
H***A-060	12.86	16.48	48.00	43.93	19.45	24.03	25.12	13.19	11.07	15.07	14.07	2.82	3.85
H***A-090	13.93	18.98	57.09	53.00	22.72	27.62	28.92	18.87	18.41	17.35	17.44	3.27	4.38
H***A-120	13.93	18.98	57.09	53.00	22.72	27.62	28.92	18.87	18.41	17.35	17.44	3.27	4.38

ALL DIMENSIONS SHOWN ARE APROXIMATE AND ROUNDED, SUBJECT TO CHANGE WITHOUT NOTICE

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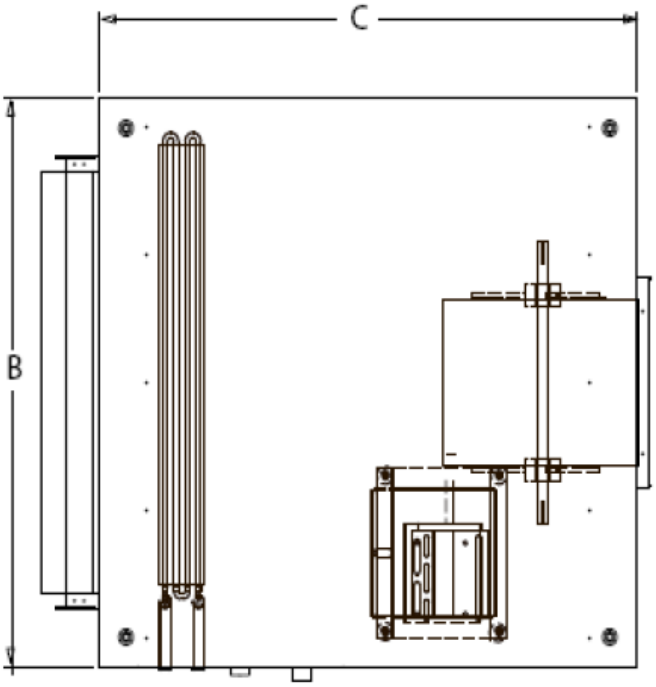
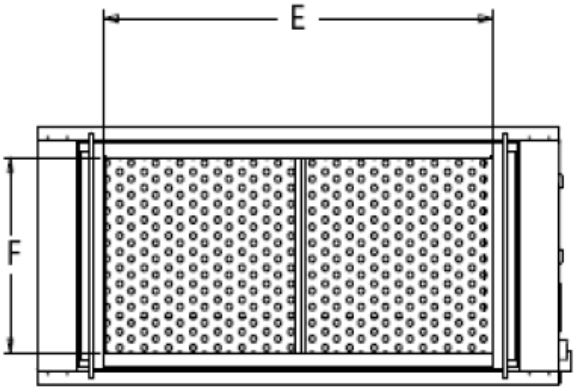
UNIT DIMENSIONS SINGLE & DOUBLE WALL 180 AND 240

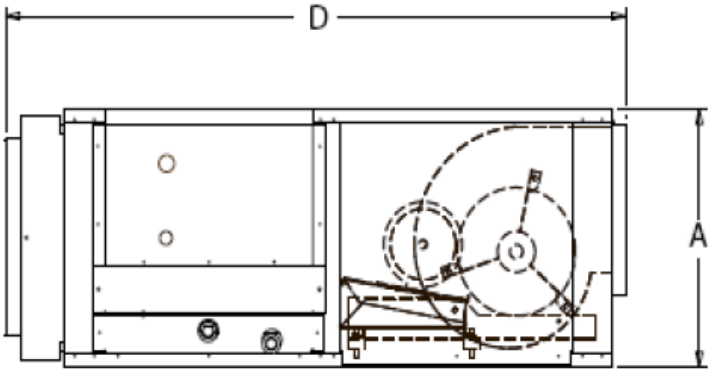
TOP- VIEW



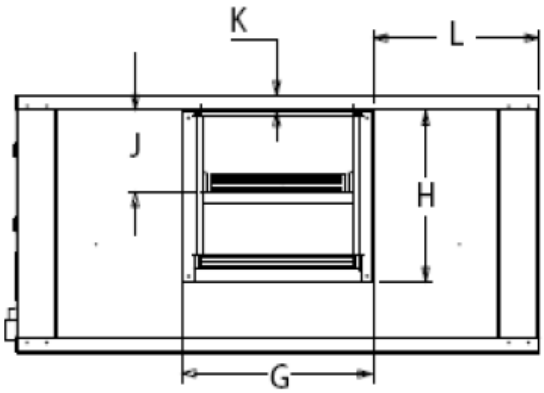
REAR VIEW
(FILTER RACK DUCT CONNECTION)



SIDE VIEW



FRONT VIEW
(SUPPLY DUCT CONNECTION)



HORIZONTAL SINGLE & DOUBLE WALL DIMENSIONS FOR 180 AND 240											
UNIT	A	B	C	D	E	F	G	H	J	K	L
H***A-180	47.15	72.00	57.50	76.75	65.92	44.99	24.93	20.65	12.2	4.33	23.49
H***A-240	47.15	72.00	57.50	76.75	65.92	44.99	24.93	20.65	12.2	4.33	23.49
ALL DIMENSIONS SHOWN ARE APROXIMATE AND ROUNDED, SUBJECT TO CHANGE WITHOUT NOTICE											

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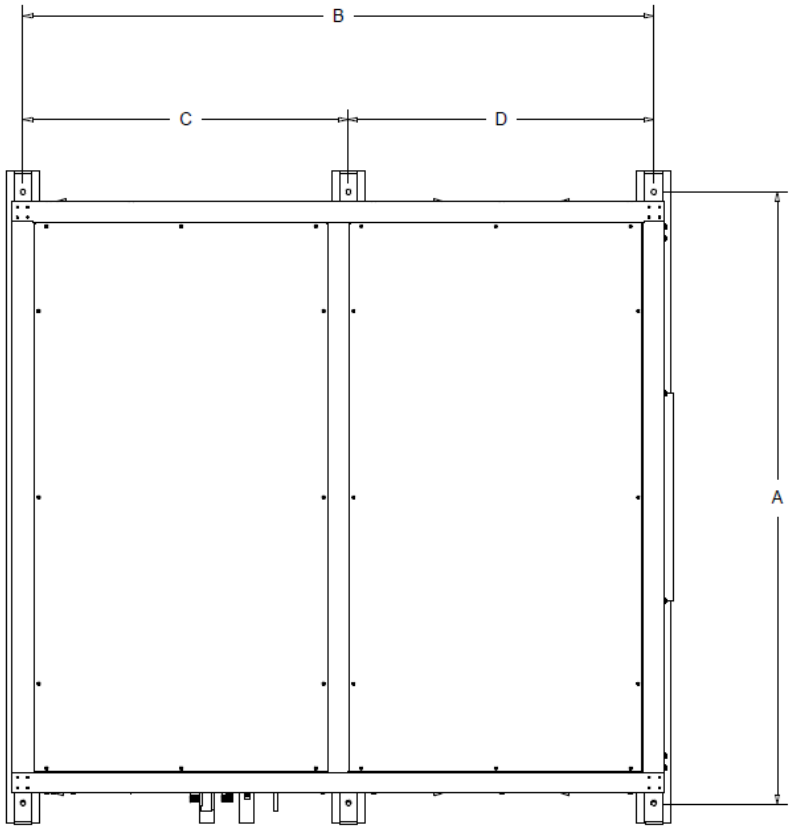
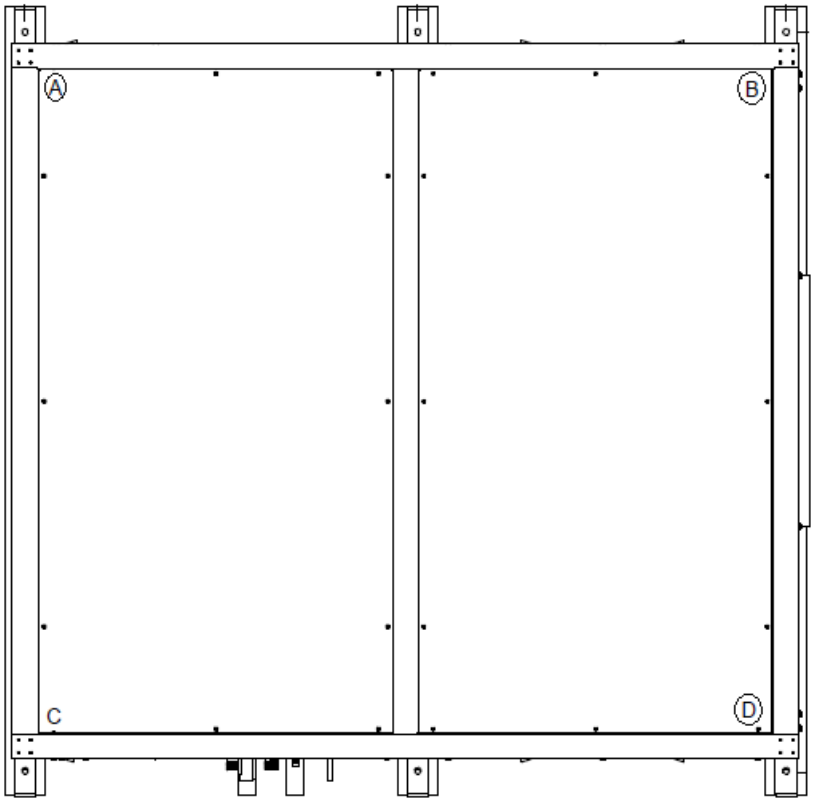
MOUNTING HOLES DISTANCE



UNIT	SIZE	TONS	A	B	C	D
024	24000	2.0	37.5"	48"	N/A	N/A
036	36000	3.0	37.5"	48"	N/A	N/A
048	48000	4.0	46.5"	48"	N/A	N/A
060	60000	5.0	46.5"	48"	N/A	N/A
090	90000	7.5	59"	60.906"	31.411"	29.495"
120	120000	10.0	59"	60.906"	31.411"	29.495"
180	180000	15.0	75.307"	53.125"	19.453"	33.673"
240	240000	20.0	75.307"	53.125"	19.453"	33.673"



HORIZONTAL UNITS WEIGHT AND CORNER DISTRIBUTION BASED ON 8 ROW SLAB COIL									
	Corner weights 8 Row Coil				Total	Correction Factors for Rows and Single Wall			
Unit Model	A	B	C	D	Weight	6R	4R	2R	Single Wall
H***A - 024	93	94	83	85	**355**	-9	-17	-25	-35
H***A - 036	91	104	105	106	**406**	-11	-21	-33	-35
H***A - 048	92	122	95	123	**432**	-20	-39	-59	-40
H***A - 060	110	125	98	113	**446**	-22	-45	-65	-40
H***A - 090	137	153	139	137	**566**	-36	-72	-103	-65
H***A - 120	145	156	140	132	**574**	-47	-95	-140	-65
H***A - 180	214	223	202	236	**875**	-54	-108	-160	-85
H***A - 240	280	293	262	270	**1105**	-55	-110	-162	-85

SUPPLY AIR PLENUM WITH ADJUSTABLE FOUR WAY GRILL

Note:

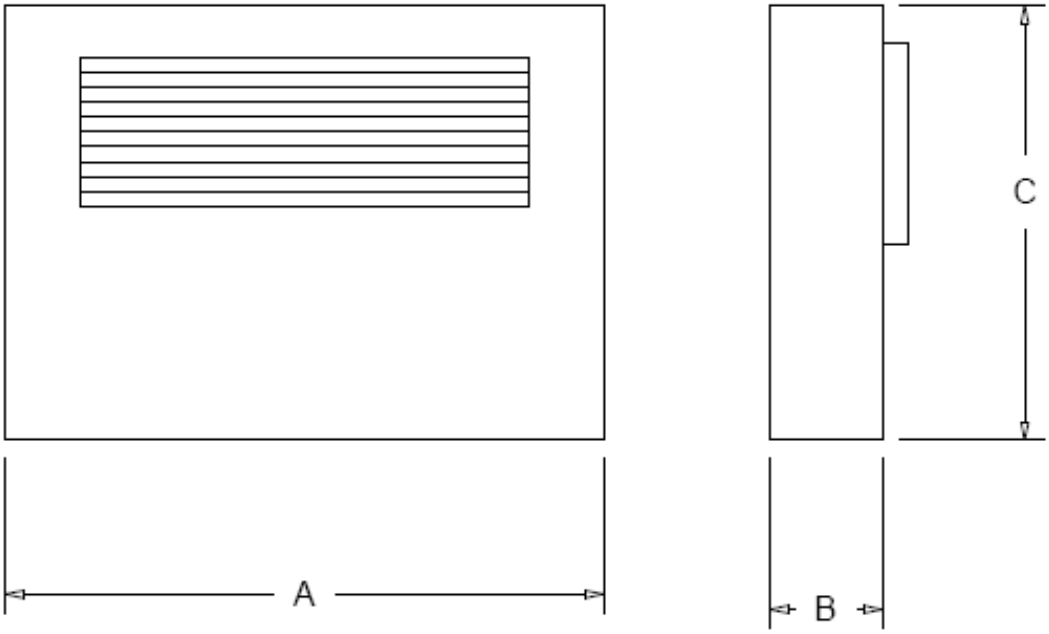
The drawings and dimensions on this page are for illustration purpose

Consult factory for final drawings for construction

Units with supply air plenum cannot have electric heat

Units with return air plenum cannot have mixing box, no face & by pass dampers

Supply and return air plenums are made with heavy gauge galvanized steel



MODEL	A	B	C	GRILL
HWSP - 024/036	39.0	6.0	20.0	12 X 20 4-W
HWSP - 048/060	48.0		24.5	16 X 24 4-W
HSWP - 090/120	57.0		36.6	18 X 48 4-W
HWSP 180/240	72.0		47.0	16 X 24 4-W
ALL DIMENSIONS SHOWN ARE APROXIMATE AND ROUNDED, SUBJECT TO CHANGE WITHOUT NOTICE				

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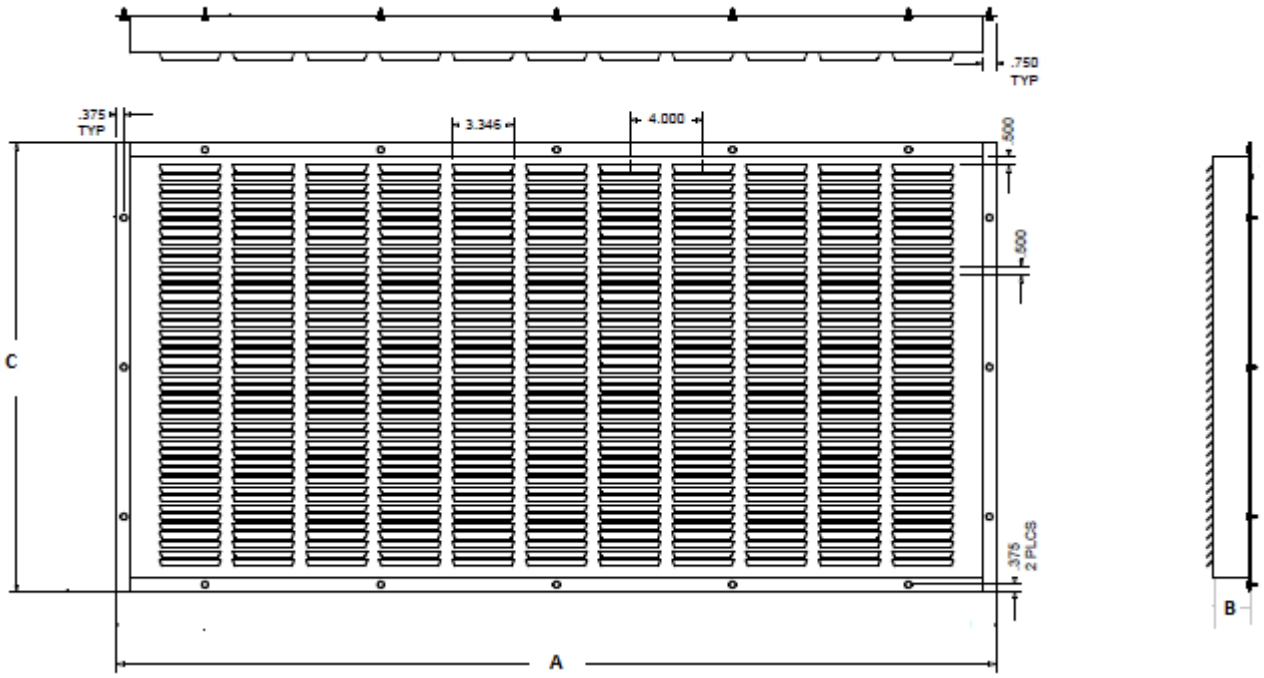
RETURN AIR PLENUM UNITS WITH FIX RETURN GRILL



MODEL	A	B	C
HWRT - 024/036	39.0	2.0	20.0
HWRT - 048/060	48.0		24.4
HWRT - 090/120	57.0		36.6
HWRT 180/240	72.0		47.0
ALL DIMENSIONS SHOWN ARE APROXIMATE AND ROUNDED, SUBJECT TO CHANGE WITHOUT NOTICE			

Note:

The drawings and dimensions on this page are for illustration purpose

Consult factory for final drawings for construction

Units with supply air plenum cannot have electric heat

Units with return air plenum cannot have mixing box, no face & by pass dampers

Supply and return air plenums are made with heavy gauge galvanized steel

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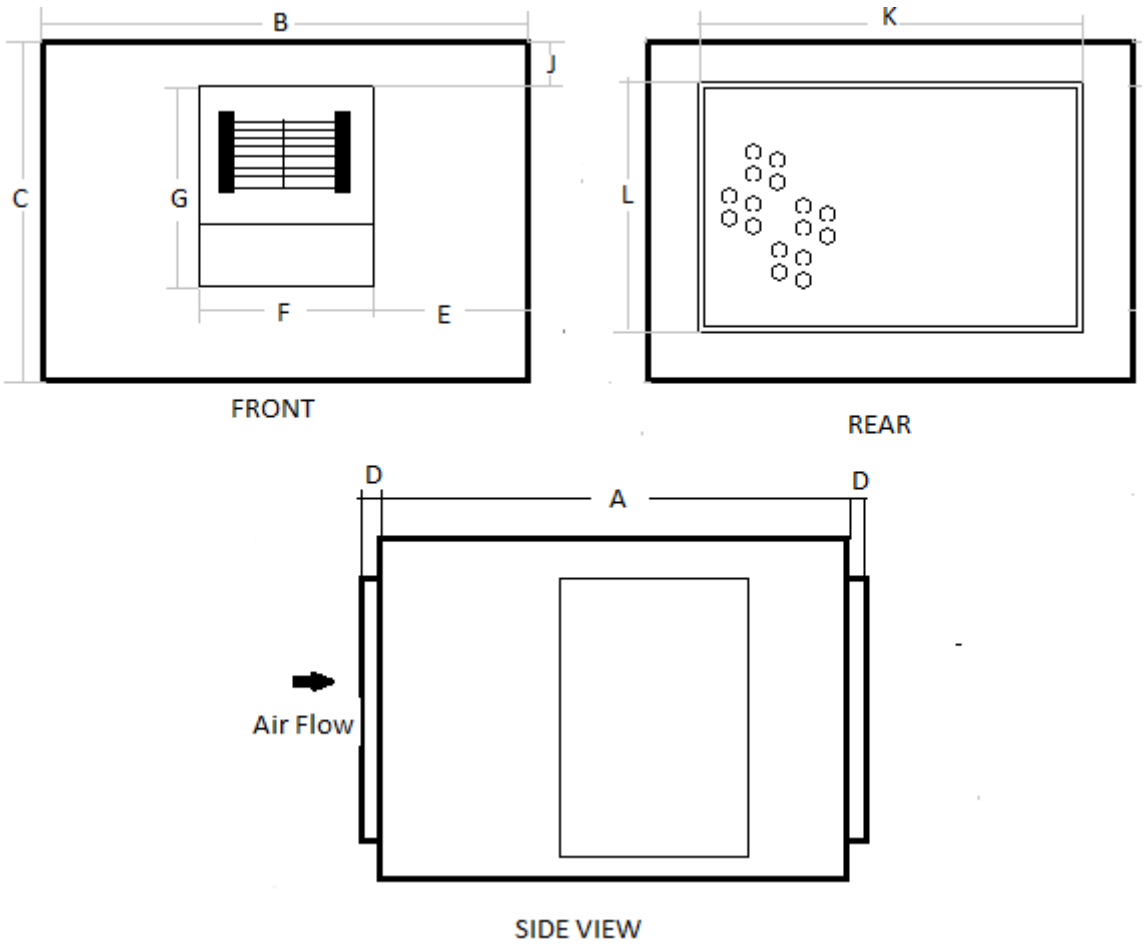
FACE & BY-PASS DAMPER FOR UNITS FROM 024 TO 240



MODEL			A	B	C	D	E	F	G	J	K	L
HFBPD	-	024/036	26.00	22.00	25.00	0.75	6.50	18.00	15.25	3.00	15.00	16.50
HFBPD	-	048/060	26.00	30.00	30.00	0.75	6.50	18.00	15.25	3.00	23.00	22.50
HFBPD	-	090/120	30.00	52.00	35.00	0.75	6.50	18.00	15.25	3.00	45.00	26.50
HFBPD	-	180/240	36.00	36.50	22.25	4.55	36.60	10.28	57.09	0.95	22.25	7.21
ALL DIMENSIONS SHOWN ARE APROXIMATE AND ROUNDED, SUBJECT TO CHANGE WITHOUT NOTICE												

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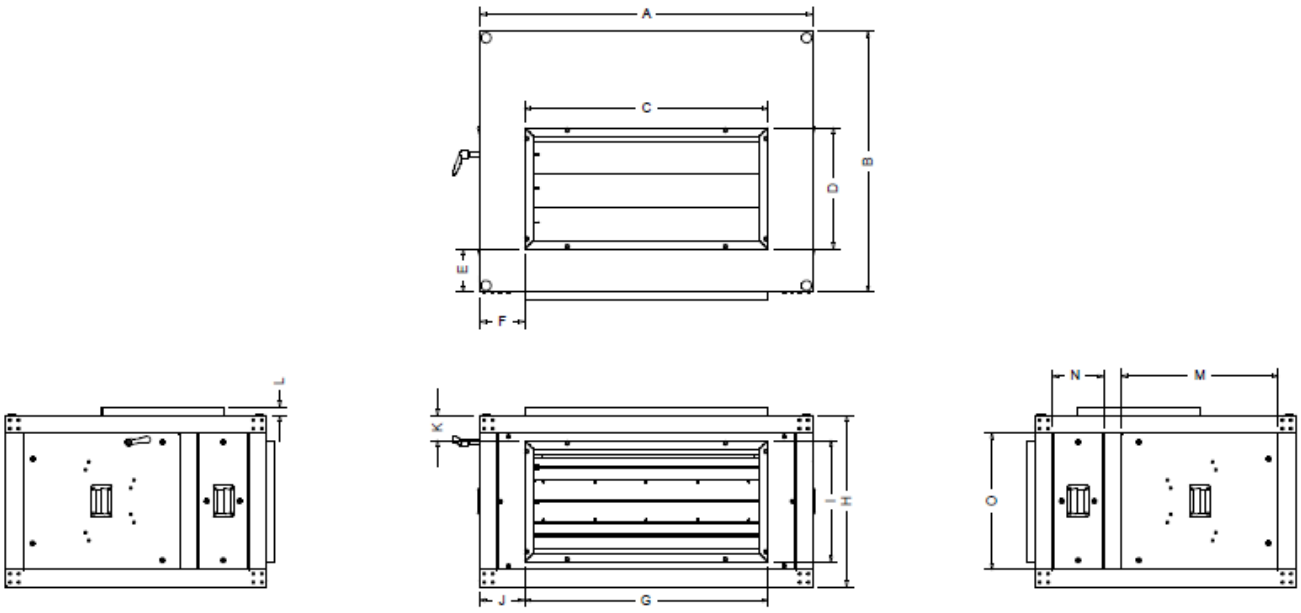
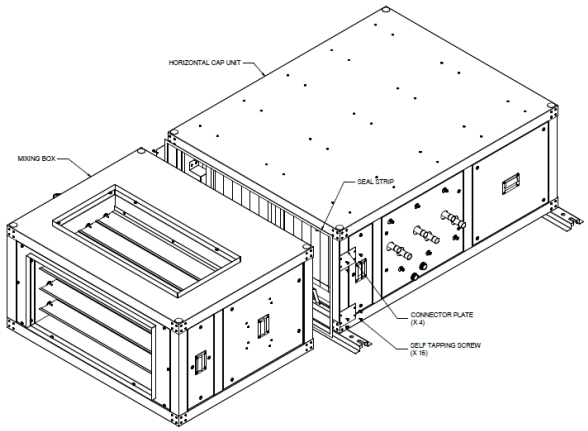
MIXING BOX FOR SIZE 024 T0 240



UNIT	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
HMB3 - 024	39.0	30.5	28.5	14.25	5.0	5.25	28.5	20.0	14.25	5.25	2.9	1.0	18.4	6.0	16.0
HMB3 - 036	39.0	30.5	28.5	14.25	5.0	5.25	28.5	20.0	14.25	5.25	2.9	1.0	18.4	6.0	16.0
HMB3 - 048	48.0	30.0	36.5	17.25	4.2	5.75	36.5	24.5	17.25	5.75	3.7	1.0	16.75	7.7	20.5
HMB3 - 060	48.0	30.0	36.5	17.25	4.2	5.75	36.5	24.5	17.25	5.75	3.7	1.0	16.75	7.7	20.5
HMB3 - 090	63.0	41.5	36.5	22.25	4.5	10.25	57.0	36.7	22.25	10.25	7.2	1.0	23.6	11.8	32.7
HMB3 - 120	63.0	41.5	36.5	22.25	4.5	10.25	57.0	36.7	22.25	10.25	7.2	1.0	23.6	11.8	32.7
HMB3 - 180	72.0	41.5	51.5	24.5	4.5	10.25	51.5	47.0	32.6	10.25	7.2	1.0	23.6	11.8	42.0
HMB3 - 240	72.0	41.5	51.5	24.5	4.5	10.25	51.5	47.0	32.6	10.25	7.2	1.0	32.6	11.8	42.0



CHILLED WATER 10 Deg. F WATER TEMPERATURE RISE 45 Deg. F EWT/55 Deg. LWT

24-HW -4 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
600	4.9	1.9	24.5	15.8	60.7	59.1	3.6	1.1	18.2	13.5	59.2	57.6	2.7	0.6	13.3	11.5	57.3	55.7
800	5.7	2.7	28.6	19.2	62.9	60.7	4.3	1.6	21.3	16.5	60.9	58.9	3.2	0.9	15.8	14.3	58.5	56.6
1000	6.4	3.3	32.1	22.2	64.5	61.9	4.8	2.0	24.1	19.3	62.2	59.7	3.6	1.1	18.0	16.8	59.6	57.2
24-HW -6 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
600	6.5	4.1	32.8	16.6	54.9	54.3	4.9	2.6	24.8	16.7	54.4	53.7	3.6	1.5	18.1	14.1	53.4	52.8
800	7.9	5.7	39.5	24.2	57.1	56.2	6.0	3.6	29.8	20.8	56.1	55.2	4.4	2.2	21.9	17.6	54.7	53.8
1000	9.0	7.4	45.2	28.4	58.8	57.6	6.8	4.5	34.1	24.5	57.5	56.3	5.0	2.7	25.2	20.9	55.7	54.6
24-HW -8 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
600	7.6	6.6	38.0	21.9	51.3	51.0	5.8	4.3	29.2	18.7	51.3	50.9	4.3	2.6	21.5	15.7	51.0	50.6
800	9.4	9.5	47.1	27.6	53.2	52.7	7.2	7.8	35.8	23.5	52.9	52.4	5.3	3.6	26.4	19.8	52.2	51.7
1000	10.9	12.4	54.8	32.8	54.8	52.2	8.3	7	41.7	28.0	54.2	53.6	6.2	4.7	30.9	23.7	53.1	52.5
36-HW -4 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
900	6.9	2.9	34.4	22.6	61.8	60.0	5.1	1.8	25.6	19.4	60.1	58.3	3.8	0.8	18.8	16.7	57.9	56.2
1200	8.0	3.8	40.1	27.4	63.9	61.5	6.0	2.2	29.9	23.7	61.8	59.4	4.4	1.2	22.2	20.5	59.2	57.0
1500	8.9	4.6	44.7	31.7	65.5	62.6	6.7	2.8	33.6	27.6	63.0	60.3	5.1	1.7	25.3	24.1	60.2	57.6
36-HW -6 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
900	9.4	6.0	46.9	28.4	56.0	55.2	7.1	3.7	35.4	24.2	55.2	54.4	5.2	2.2	26.0	20.5	54.1	53.3
1200	11.2	8.3	56.2	35.0	58.1	57.1	8.4	4.9	42.2	30.0	57.0	55.9	6.2	2.9	31.2	25.6	55.4	54.3
1500	12.8	10.1	63.9	40.9	59.9	58.5	9.6	6.6	48.2	35.3	58.3	57.0	7.2	3.7	35.8	30.3	56.4	55.1
36-HW -8 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
900	11.0	8.7	54.9	31.9	52.3	51.9	8.4	5.6	42.0	27.3	52.1	51.7	6.2	3.3	31.0	22.9	51.6	51.1
1200	13.5	12.5	67.4	40.0	54.3	53.7	10.3	8.4	51.4	34.3	53.7	53.1	7.6	5.0	38.0	29.0	52.8	52.2
1500	15.6	16.4	78.1	47.3	55.9	55.2	11.8	10.3	59.3	40.6	55.1	54.4	8.8	6.2	44.1	34.5	53.8	53.1
48-HW -4 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
1400	11.6	6.9	58.1	38.0	60.0	58.9	8.6	3.7	43.3	32.7	58.5	57.4	6.3	1.6	31.5	27.9	56.6	55.6
1600	12.6	7.7	63.0	42.1	60.8	59.6	9.4	4.3	47.2	36.3	59.1	57.9	6.9	2.0	34.5	31.2	57.0	55.9
1800	13.6	8.7	67.9	46.0	61.4	60.1	10.2	4.9	50.8	39.8	59.6	58.3	7.5	2.4	37.4	34.3	57.4	56.2
48-HW -6 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
1400	15.4	11.1	77.3	46.3	54.5	54.1	11.7	7.1	58.6	39.6	53.9	53.5	8.6	4.1	42.8	33.3	53.1	52.6
1600	17.0	14.0	85.2	51.6	55.2	54.8	12.9	9.0	64.7	44.2	54.5	54.0	9.4	5.2	47.3	37.3	53.5	53.0
1800	18.5	15.4	92.6	56.7	55.9	55.4	14.0	10.1	70.1	48.6	55.1	54.6	10.3	6.0	51.5	41.2	53.9	53.4
48-HW -8 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
1400	17.8	10.0	89.2	51.5	51.1	50.8	13.7	6.6	68.8	44.0	51.0	50.7	10.1	4.1	50.5	36.8	50.8	50.5
1600	19.8	11.5	99.1	57.6	51.8	51.5	15.2	8.0	76.3	49.3	51.6	51.3	11.2	4.9	56.2	41.3	51.2	50.9
1800	21.7	13.7	108.7	63.6	52.4	52.1	16.7	8.9	83.4	54.4	21.1	51.8	12.3	5.5	61.4	45.7	51.6	51.3

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CHILLED WATER 10 Deg. F WATER TEMPERATURE RISE 45 Deg. F EWT/55 Deg. LWT

60-HW -4 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
1800	14.4	9.0	71.8	47.7	60.6	59.4	10.7	4.9	53.8	41.2	58.9	57.8	7.9	2.1	39.3	35.3	56.9	55.8
2000	15.4	10.0	76.9	51.7	61.1	59.9	11.5	5.5	57.6	44.7	59.4	58.1	8.4	2.5	42.2	38.4	57.3	56.1
2200	16.3	10.9	81.5	55.6	61.7	60.3	12.2	6.2	61.1	48.2	59.8	58.5	9.0	3.0	4.2	41.6	57.6	56.3

60-HW -6 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
1800	19.4	8.0	96.9	58.5	55.0	54.6	14.7	5.2	73.7	50.1	54.3	53.8	10.7	3.2	53.7	42.2	53.4	52.9
2000	20.9	8.8	104.4	62.6	55.7	55.2	15.9	5.8	79.4	54.6	54.8	54.3	11.6	3.5	58.0	46.1	53.7	53.2
2200	22.3	10.4	111.9	68.7	56.2	55.6	16.9	6.4	84.7	59.0	55.3	54.7	12.4	3.9	62.1	50.0	54.0	53.5

60-HW -8 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
1800	22.4	11.9	112.2	65.1	51.6	51.3	17.3	7.8	86.5	55.8	51.4	51.1	12.7	5.0	63.7	46.7	51.0	50.7
2000	24.4	14.1	122.1	71.2	52.2	51.8	18.8	9.2	94.0	61.1	51.8	51.5	13.8	5.6	69.2	51.2	51.4	51.1
2200	26.2	15.4	131.3	77.1	52.7	52.4	20.2	10.1	101.1	66.9	52.3	51.9	14.9	6.2	74.4	55.6	51.7	51.4

90-HW -4 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
2500	20.8	7.2	104.3	69.3	59.4	58.8	15.6	4.0	78.0	60.0	58.0	57.3	11.4	2.2	56.9	51.1	56.1	55.5
3000	23.3	9.0	116.7	79.7	60.5	59.7	17.5	5.1	87.7	69.2	58.8	58.0	12.9	2.8	64.3	59.5	56.7	56.0
3500	25.7	10.8	128.4	89.7	61.4	60.5	19.3	6.1	96.5	79.0	59.4	58.6	14.3	3.4	71.4	67.5	57.2	56.4

90-HW -6 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
2500	27.6	6.4	138.3	83.1	54.3	54.0	21.0	3.8	105.0	71.1	53.8	53.4	15.3	2.1	76.6	59.9	52.9	52.6
3000	31.5	8.3	157.8	96.5	55.4	55.0	24.0	4.9	120.1	82.9	54.5	54.2	17.5	2.7	87.7	70.0	53.5	53.1
3500	35.2	10.3	176.4	109.4	56.2	55.8	26.7	6.0	133.6	94.0	55.2	54.8	19.6	3.3	97.9	79.8	54.0	53.6

90-HW -8 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
2500	31.8	9.1	159	91.9	51.1	50.9	24.5	5.5	122.5	78.6	51.0	50.8	18.0	3.0	90.0	65.7	50.8	50.5
3000	36.7	12.0	183.8	107.3	52.0	51.8	28.3	7.3	141.6	92.0	51.7	51.5	20.8	4.0	104.0	77.1	51.3	51.0
3500	41.4	15.2	207.4	122.2	52.8	52.5	31.8	9.1	159.4	104.9	52.4	52.1	23.4	5.0	117.1	88.1	51.8	51.5

120-HW -4 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
3000	25.4	9.5	127.3	84.0	59.2	58.6	19.0	5.4	95.3	72.5	57.7	57.1	13.9	2.9	69.4	61.9	56.0	55.4
4000	30.5	13.7	152.7	105.0	60.8	60.0	22.9	7.7	114.7	91.2	59.0	58.2	16.8	4.2	84.3	78.6	56.9	56.1
5000	34.9	17.8	174.7	124.4	62.1	61.0	26.3	10.2	131.5	108.5	60.0	59.0	19.4	5.6	97.0	94.0	57.7	56.7

120-HW -6 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
3000	33.5	8.1	167.9	100.6	54.1	53.8	25.6	4.8	128.0	86.2	53.5	53.2	18.6	2.6	93.1	72.4	52.7	52.4
4000	41.5	12.3	207.7	127.5	55.6	55.3	31.5	7.2	157.7	109.5	54.7	54.4	23.0	3.9	115.3	92.7	53.6	53.3
5000	48.4	16.6	242.2	152.3	56.9	56.5	36.8	9.7	184.2	131.5	55.8	55.3	26.9	5.3	134.6	111.6	54.4	54.0

120-HW -8 ROW Chilled Water Cooling

	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
3000	38.5	6.7	192.5	111.0	509.0	50.6	29.7	4.1	148.4	94.9	50.8	50.6	21.8	2.3	109.0	79.2	50.7	50.4
4000	48.5	10.4	242.8	142.0	52.3	52.0	37.2	6.3	186.5	121.7	52.0	51.7	27.3	3.5	136.8	102.0	51.5	51.2
5000	57.5	14.4	287.9	171.0	53.5	53.2	44.1	8.7	220.9	146.9	52.9	52.6	32.4	4.8	162.4	123.7	52.2	51.9

CHILLED WATER 10 Deg. F WATER TEMPERATURE RISE 45 Deg. F EWT/55 Deg. LWT

180-HW -4 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
5000	42.8	12.0	214.2	140.3	59.1	58.4	32.3	6.9	161.9	121.5	57.6	56.9	23.7	3.7	118.6	103.9	55.8	55.2
6000	48.1	15.1	240.8	161.5	60.2	59.3	36.3	8.7	181.8	140.1	58.5	57.6	26.8	4.8	134.0	120.6	56.5	55.7
7000	52.8	18.1	264.4	181.4	61.1	60.1	39.9	10.4	199.9	157.9	59.2	58.2	29.6	5.8	148.5	136.6	57.0	56.1
180-HW -6 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
5000	56.1	12.4	280.9	168	54.0	53.7	43.0	7.4	215.1	144.4	53.4	53.1	31.6	4.1	158.0	121.7	52.6	52.2
6000	64.1	16.0	321.0	194.9	55.1	54.7	48.9	9.5	244.9	167.6	54.3	53.9	36.0	5.3	180.3	142.0	53.2	52.8
7000	71.3	19.6	356.9	220.2	56.0	55.6	54.5	11.7	273.2	190.2	55.0	54.5	40.1	6.5	200.7	161.3	53.8	53.3
180-HW -8 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
5000	64.0	9.3	320.3	184.7	50.9	50.7	49.6	5.9	248.4	158.7	50.8	50.5	36.7	3.4	183.6	132.9	50.5	50.2
6000	74.0	12.2	370.4	215.7	51.9	51.6	57.2	7.6	286.7	185.5	51.5	51.2	42.4	4.4	212.1	155.9	51.1	50.8
7000	83.4	15.2	417.6	245.5	52.7	52.4	64.4	9.5	322.7	211.4	52.2	51.9	47.7	5.4	238.7	178.0	51.6	51.3
240-HW -4 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
7000	58.9	10.4	294.9	194.3	59.4	58.7	44.5	6.0	222.8	168.3	57.8	57.1	32.6	3.3	163.5	144.2	56.0	55.3
8000	64.1	12.3	321.0	215.3	60.2	59.3	48.4	7.1	242.4	186.9	58.5	57.6	35.7	3.9	178.7	160.8	56.5	55.7
9000	68.9	14.2	344.9	235.3	60.9	59.9	52.0	8.2	260.7	20.7	59.0	58.1	38.5	4.5	192.8	176.7	56.9	55
240-HW -6 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
7000	77.4	8.5	387.6	232.8	54.3	54.0	59.3	5.2	297.1	200.4	53.6	53.3	43.6	2.9	218.3	169.1	52.7	52.4
8000	85.5	10.3	427.9	259.9	55.1	54.7	65.2	6.2	326.5	223.5	54.3	53.9	48.0	3.5	240.5	189.3	53.2	52.8
9000	92.6	12.0	463.6	285.0	55.8	55.4	70.9	7.3	355.3	246.3	54.8	54.4	52.1	4.1	260.8	208.7	53.6	53.2
240-HW -8 ROW Chilled Water Cooling																		
	85.0 Deg. F DB/71.0 Deg. F WB						80.0 Deg. F DB/67.0 Deg. F WB						75.0 Deg. F DB/63.0 Deg. F WB					
CFM	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
7000	88.6	12.5	443.8	256.7	51.2	50.9	68.7	7.8	344.2	220.6	51.0	50.7	50.8	4.4	254.2	184.8	50.7	50.4
8000	98.6	15.3	493.8	287.6	51.9	51.6	76.3	9.5	382.2	247.4	51.5	51.2	56.5	5.4	282.8	207.8	51.1	50.8
9000	108.2	18.2	541.7	347.6	52.5	52.2	83.6	11.2	418.8	273.4	52.0	51.7	61.9	6.4	309.7	230.1	51.4	51.1

HOTWATER 20 Deg. F WATER TEMPERATURE DROP 180 Deg. F EWT/160 Deg. LWT

HOT WATER HEATING CAPACITY

		24-HWH-2 ROW Hot Water Heating								24-HWH-1 ROW Hot Water Heating							
CFM	50.0 Deg. F EDB				60.0 Deg. F EDB					50.0 Deg. F EDB				60.0 Deg. F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB	CFM	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
600	4.3	6.4	41.6	114	3.9	5.4	37.9	118	600	2.3	1.6	22.5	84.6	2.1	1.3	20.4	91.4
800	5.2	9.1	50.6	108	4.7	7.7	46.1	113	800	2.7	2.2	26.7	80.7	2.5	1.9	24.2	87.9
1000	6	11.9	58.5	104	5.5	10	53.3	109	1000	3.1	2.8	30.3	77.9	2.8	2.4	27.4	85.3
		36-HWH-2 ROW Hot Water Heating								36-HWH-1 ROW Hot Water Heating							
CFM	50.0 Deg. F EDB				60.0 Deg. F EDB					50.0 Deg. F EDB				60.0 Deg. F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB	CFM	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
900	6.1	6.2	59.9	111	5.6	5.3	54.6	116.0	900	3.3	1.5	32.1	82.9	3.0	1.2	29.1	89.9
1200	7.4	8.7	72.5	106	6.8	7.4	66.1	110.8	1200	3.9	2.0	38.0	79.2	3.5	1.7	34.4	86.4
1500	8.6	11.3	83.5	101	7.8	9.5	76.1	106.8	1500	4.4	2.5	42.9	76.4	4.0	2.1	38.9	83.9
		48-HWH-2 ROW Hot Water Heating								48-HWH-1 ROW Hot Water Heating							
CFM	50.0 Deg. F EDB				60.0 Deg. F EDB					50.0 Deg. F EDB				60.0 Deg. F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB	CFM	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
1400	10.3	12.3	100.3	116	9.4	10.3	91.4	120.2	1400	5.6	3.3	54.4	85.8	5.1	2.7	49.3	92.4
1600	11.3	14.5	109.8	113	10.3	12.2	100	117.7	1600	6.0	3.8	58.8	83.9	5.5	3.1	53.2	90.7
1800	12.2	16.7	118.8	111	11.1	14.1	108.2	115.4	1800	6.4	4.3	62.9	82.2	5.8	3.6	56.9	89.1
		60-HWH-2 ROW Hot Water Heating								60-HWH-1 ROW Hot Water Heating							
CFM	50.0 Deg. F EDB				60.0 Deg. F EDB					50.0 Deg. F EDB				60.0 Deg. F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB	CFM	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
1800	12.8	6.7	125.0	114	11.7	5.7	113.9	118.3	1800	6.9	1.6	67.2	84.4	6.2	1.3	60.8	91.2
2000	13.8	7.5	134.2	112	12.5	6.4	122.2	116.3	2000	7.3	1.7	71.4	82.9	6.6	1.5	64.6	89.8
2200	14.6	8.3	142.8	110	13.3	7.1	130.1	114.5	2200	7.7	1.9	75.3	81.6	7.0	1.6	68.1	88.6
		90-HWH-2 ROW Hot Water Heating								120-HWH-2 ROW Hot Water Heating							
CFM	50.0 Deg. F EDB				60.0 Deg. F EDB					50.0 Deg. F EDB				60.0 Deg. F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB	CFM	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
2500	20.4	7.1	199.0	123	18.6	5.9	181.2	126.8	3000	24.9	9	242.9	124.7	22.7	7.5	221.2	128.0
3000	23	8.9	223.9	119	20.9	7.4	203.9	122.7	4000	30.0	13	292.6	117.5	27.3	10.8	266.4	121.4
3500	25.3	10.7	246.3	115	23	8.9	224.3	119.1	5000	34.4	16.9	335.0	111.8	31.3	14.0	304.1	116.2
		180-HWH-2 ROW Hot Water Heating								240-HWH-2 ROW Hot Water Heating							
CFM	50.0 Deg. F EDB				60.0 Deg. F EDB					50.0 Deg. F EDB				60.0 Deg. F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB	CFM	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
5000	39.7	11.6	387.6	122	36.2	9.7	353.3	125.2	7000	54.5	6.9	531.8	120.1	49.7	5.8	484.7	123.8
6000	44.6	14.5	434.9	117	40.6	12.1	396.3	120.9	8000	59.3	8.1	578.3	116.7	54.0	6.8	527.0	120.7
7000	49.0	17.4	477.3	113	44.6	14.5	435	117.3	9000	63.7	9.3	621.1	113.6	58.0	7.8	565.9	118.0

INTERNAL STATIC PRESSURES CHILLED WATER COIL AND HOT WATER COIL

SIZE	CFM	COIL FV	2"	MAXIMUM 10 ROWS 24 THRU 120 MAXIMUM 8 ROWS 180 & 240					TOTAL SP
			TA	1 ROW	2 ROW	4 ROW	6 ROW	8 ROW	
			ISP	ISP	ISP	ISP	ISP	ISP	
	600	279	0.07	0.02	0.05	0.2	0.3	0.4	
	700	325	0.08	0.03	0.06	0.26	0.39	0.52	
	800	372	0.09	0.04	0.08	0.32	0.48	0.64	
	900	418	0.11	0.05	0.1	0.39	0.58	0.78	
24	1000	465	0.12	0.06	0.12	0.46	0.7	0.93	
	900	322	0.11	0.04	0.06	0.25	0.38	0.51	
	1050	375	0.12	0.05	0.08	0.33	0.49	0.65	
	1200	429	0.14	0.06	0.1	0.41	0.61	0.81	
	1350	482	0.16	0.07	0.13	0.49	0.74	0.99	
36	1500	536	0.18	0.09	0.15	0.59	0.88	1.17	
	1200	288	0.09	0.04	0.05	0.21	0.32	0.42	
	1400	336	0.11	0.06	0.06	0.27	0.41	0.54	
	1600	384	0.12	0.07	0.08	0.34	0.51	0.68	
	1800	432	0.14	0.09	0.1	0.41	0.62	0.82	
48	2000	480	0.15	0.11	0.12	0.49	0.73	0.98	
	1500	309	0.11	0.05	0.1	0.28	0.42	0.55	
	1750	360	0.13	0.06	0.13	0.36	0.54	0.72	
	2000	411	0.15	0.08	0.16	0.45	0.68	0.9	
	2250	463	0.17	0.10	0.2	0.55	0.83	1.1	
60	2500	514	0.19	0.12	0.24	0.66	0.99	1.32	
90	2250	306	0.15	0.10	0.11	0.4	0.6	0.8	
	2625	357	0.18	0.11	0.14	0.5	0.75	1	
	3000	409	0.20	0.14	0.17	0.6	0.91	1.21	
	3375	460	0.23	0.16	0.21	0.71	1.07	1.43	
	3750	511	0.26	0.18	0.25	0.83	1.24	1.65	
	3000	323	0.2	0.10	0.12	0.43	0.65	0.86	
	3500	376	0.24	0.11	0.15	0.54	0.81	1.07	
	4000	430	0.27	0.14	0.19	0.65	0.97	1.3	
	4500	483	0.31	0.17	0.23	0.77	1.15	1.53	
120	5000	538	0.34	0.20	0.28	0.89	1.33	1.78	
	5000	381	0.13	0.11	0.15	0.55	0.82	1.09	
	5500	419	0.15	0.14	0.18	0.63	0.94	1.25	
	6000	457	0.16	0.17	0.21	0.71	1.06	1.41	
	6500	495	0.17	0.19	0.24	0.79	1.19	1.58	
180	7000	533	0.19	0.21	0.27	0.88	1.32	1.76	
240	7000	400	0.19	0.14	0.17	0.59	0.88	1.17	
	7500	429	0.2	0.16	0.19	0.65	0.97	1.29	
	8000	457	0.21	0.18	0.21	0.71	1.06	1.41	
	8500	485	0.23	0.20	0.23	0.77	1.16	1.54	
	9000	514	0.24	0.23	0.26	0.84	1.25	1.67	

Internal Static Pressure Calculation

Select a Unit and Approximate CFM from the two left columns- Select the total number of rows and filter- Add filter to coil static pressure to obtain total ISP (internal static pressure) – Add the ISP to ESP for the system to obtain TSP (total static pressure)

INTERNAL STATIC PRESSURES DX COIL AND HOT WATER COIL

SIZE	CFM	COIL FV	2" TA	MAXIMUM 10 ROWS 24 THRU 120 MAXIMUM 8 ROWS 180 & 240					TOTAL SP
				1 ROW	2 ROW	4 ROW	6 ROW	8 ROW	
			ISP	ISP	ISP	ISP	ISP	ISP	
24	600	279	0.07	0.02	0.05	0.19	0.28	0.37	
	800	372	0.09	0.04	0.08	0.3	0.45	0.6	
	1000	465	0.12	0.06	0.12	0.43	0.64	0.86	
36	900	322	0.11	0.04	0.06	0.24	0.35	0.47	
	1200	429	0.14	0.06	0.1	0.38	0.56	0.75	
	1500	536	0.18	0.09	0.15	0.54	0.62	1.09	
48	1200	288	0.09	0.04	0.05	0.23	0.34	0.46	
	1600	384	0.12	0.07	0.08	0.37	0.56	0.74	
	2000	480	0.15	0.11	0.12	0.54	0.81	1.08	
60	1500	309	0.11	0.05	0.10	0.26	0.38	0.51	
	2000	411	0.15	0.08	0.16	0.42	0.63	0.83	
	2500	514	0.19	0.12	0.24	0.61	0.91	1.22	
90	2250	306	0.15	0.06	0.11	0.38	0.57	0.75	
	3000	409	0.2	0.08	0.17	0.57	0.85	1.13	
	3750	511	0.26	0.12	0.25	0.77	1.16	1.55	
120	3000	323	0.2	0.06	0.12	0.41	0.61	0.81	
	4000	430	0.27	0.09	0.19	0.61	0.81	1.22	
	5000	538	0.34	0.14	0.28	0.83	1.25	1.67	
180	5000	381	0.13	0.07	0.15	0.51	0.77	1.02	
	6000	457	0.16	0.11	0.21	0.66	0.99	1.33	
	7000	533	0.19	0.13	0.27	0.82	1.24	1.65	
240	7000	400	0.19	0.09	0.17	0.55	0.82	1.1	
	8000	457	0.21	0.11	0.21	0.66	0.99	1.33	
	9000	514	0.24	0.13	0.26	0.78	1.17	1.57	

Internal Static Pressure Calculation

Select a Unit and Approximate CFM from the two left columns- Select the total number of rows and filter- Add filter to coil static pressure to obtain total ISP (internal static pressure) – Add the ISP to ESP for the system to obtain TSP (total static pressure)

BLOWER PERFORMANCE TABLES

Air Volume Capacity - 2-Pipe, 4-Row Coil														
Model	Internal SP	cfm	0.25" ESP		0.50" ESP		0.75" ESP		1.00" ESP		1.25" ESP		1.50" ESP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
HW*D024	.17	600	864	0.12	998	0.17	1144	0.24	1288	0.32	1424	0.41	1549	0.49
	.22	700	966	0.18	1073	0.22	1193	0.29	1318	0.37	1443	0.46	1564	0.56
	.27	800	866	0.17	1025	0.22	1152	0.28	1267	0.34	1374	0.41	1475	0.47
	.33	900	955	0.22	1084	0.28	1202	0.35	1312	0.41	1415	0.48	1511	0.55
	.39	1000	1050	0.29	1143	0.35	1255	0.42	1359	0.49	1457	0.57	1550	0.64
HW*D036	.17	900	865	0.19	1002	0.24	1416	0.48	1243	0.37	1350	0.44	1450	0.51
	.22	1050	958	0.27	1027	0.28	1195	0.40	1494	0.63	1403	0.55	1498	0.63
	.27	1200	905	0.25	1041	0.33	1165	0.41	1281	0.50	1391	0.59	1508	0.72
	.33	1350	978	0.33	1103	0.42	1219	0.50	1328	0.60	1431	0.69	1529	0.80
	.39	1500	1051	0.43	1166	0.52	1274	0.61	1377	0.71	1474	0.82	1568	0.93
HW*D048	.14	1200	829	0.21	988	0.30	1102	0.37	1222	0.45	1335	0.54	1441	0.63
	.19	1400	919	0.31	1047	0.39	1165	0.48	1276	0.55	1381	0.67	1480	0.77
	.24	1600	1010	0.44	1126	0.53	1235	0.62	1337	0.72	1434	0.83	1527	0.94
	.29	1800	842	0.44	952	0.54	1054	0.65	1151	0.76	1244	0.88	1333	1.01
	.36	2000	912	0.58	1013	0.69	1108	0.80	1198	0.92	1285	1.05	1369	1.19
HW*D060	.16	1500	721	0.26	848	0.35	966	0.45	1076	0.55	1181	0.66	1281	0.78
	.20	1750	790	0.38	905	0.48	1011	0.58	1112	0.69	1207	0.81	1299	0.93
	.26	2000	869	0.53	973	0.64	1070	0.76	1162	0.87	1126	1.01	1335	1.13
	.32	2250	949	0.72	1044	0.84	1133	0.97	1218	1.10	1300	1.23	1379	1.37
	.38	2500	1028	0.95	1115	1.08	1198	1.22	1277	1.36	1354	1.51	1427	1.65
HW*D090	.15	2250	693	0.51	801	0.64	910	0.79	1011	0.95	1103	1.11	1187	1.27
	.19	2625	772	0.76	862	0.90	956	1.06	1049	1.23	1137	1.41	1220	1.60
	.24	3000	857	1.08	933	1.24	1014	1.41	1096	1.59	1178	1.79	1257	1.99
	.30	3375	947	1.50	1012	1.66	1082	1.84	1154	2.04	1228	2.25	1300	2.47
	.36	3750	1036	2.01	1094	2.18	1155	2.38	1218	2.58	1284	2.80	1350	3.03
HW*D120	.16	3000	635	0.80	646	0.76	718	0.90	785	1.05	849	1.20	910	1.36
	.21	3500	635	0.93	705	1.09	769	1.25	831	1.41	889	1.58	945	1.76
	.26	4000	703	1.32	765	1.50	824	1.68	881	1.87	934	2.05	986	2.25
	.32	4500	773	1.81	830	2.02	884	2.22	936	2.43	986	2.64	1034	2.85
	.39	5000	846	2.43	898	2.66	948	2.89	995	3.11	1042	3.34	1087	3.57
HW*D180	.21	5000	670	1.57	733	1.80	793	2.03	850	2.26	905	2.49	959	2.73
	.25	5500	723	2.03	782	2.28	837	2.53	891	2.79	942	3.04	992	3.30
	.29	6000	776	2.58	831	2.85	883	3.12	933	3.40	982	3.67	1029	3.95
	.33	6500	829	3.21	881	3.51	930	3.81	977	4.10	1023	4.40	1068	4.70
	.38	7000	869	3.86	933	4.28	980	4.60	1024	4.92	1068	5.23	1110	5.56
HW*D240	.24	7000	856	3.78	906	4.10	954	4.42	1000	4.74	1044	5.06	1086	5.38
	.27	7500	909	4.59	957	4.93	1002	5.28	1045	5.62	1087	5.96	1128	6.30
	.30	8000	962	5.51	1007	5.88	1050	6.24	1091	6.61	1131	6.97	1170	7.33
	.34	8500	1017	6.55	1060	6.95	1100	7.34	1140	7.73	1178	8.11	1215	8.50
	.37	9000	1070	7.71	1111	8.13	1150	8.55	1187	8.96	1224	9.37	1260	9.78

BLOWER PERFORMANCE TABLES

Air Volume Capacity - 4-Pipe, 4-Row Cooling and 2-Row Heating Coils														
Model	Internal SP	cfm	0.25" ESP		0.50" ESP		0.75" ESP		1.00" ESP		1.25" ESP		1.50" ESP	
			RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP	RPM	BHP
HW*D024	.25	600	906	0.14	1046	0.19	1191	0.26	1333	0.35	1464	0.43	1584	0.52
	.33	700	1012	0.19	1125	0.25	1247	0.32	1374	0.41	1497	0.50	1615	0.60
	.40	800	1117	0.27	1211	0.32	1313	0.39	1421	0.48	1531	0.57	1641	0.68
	.49	900	1039	0.26	1161	0.32	1274	0.39	1379	0.46	1477	0.53	1570	0.60
	.58	1000	1115	0.34	1229	0.40	1335	0.47	1434	0.06	1528	0.62	1618	0.70
HW*D036	.25	900	826	0.15	1044	0.26	1165	0.33	1278	0.39	1383	0.46	1481	0.53
	.33	1050	905	0.22	1132	0.37	1243	0.44	1347	0.51	1445	0.58	1538	0.66
	.40	1200	977	0.29	1107	0.37	1320	0.57	1414	0.65	1509	0.73	1596	0.81
	.49	1350	1059	0.39	1178	0.47	1289	0.56	1394	0.66	1494	0.76	1590	0.87
	.58	1500	1139	0.50	1249	0.59	1353	0.69	1451	0.79	1546	0.90	1636	1.01
HW*D048	.21	1200	870	0.23	1009	0.31	1136	0.39	1254	0.47	1365	0.57	N/A	N/A
	.29	1400	972	0.34	1096	0.43	1211	0.52	1319	0.61	1421	0.71	1519	0.81
	.36	1600	1222	0.61	1179	0.57	1284	0.67	1384	0.77	1479	0.88	1570	0.99
	.44	1800	909	0.50	1014	0.60	1113	0.71	1207	0.83	1298	0.96	1386	1.09
	.54	2000	985	0.66	1082	0.77	1173	0.89	1261	1.02	1345	1.15	1427	1.29
HW*D060	.24	1500	763	0.29	887	0.38	1002	0.48	1110	0.58	1213	0.70	1312	0.82
	.31	1750	842	0.42	952	0.52	1056	0.63	1154	0.74	1248	0.86	1339	0.99
	.39	2000	925	0.59	1025	0.70	1119	0.82	1209	0.94	1295	1.07	1379	1.20
	.48	2250	1010	0.80	1102	0.92	1188	1.05	1271	1.18	1351	1.34	1428	1.46
	.58	2500	1098	1.06	1182	1.19	1262	1.34	1339	1.48	1413	1.62	1485	1.78
HW*D090	.23	2250	727	0.55	836	0.69	943	0.84	1041	1.00	1131	1.16	1212	1.32
	.29	2625	807	0.81	899	0.96	993	1.13	1085	1.30	1171	1.48	1252	1.67
	.37	3000	896	1.16	975	1.32	1057	1.50	1139	1.69	1219	1.89	1296	2.10
	.46	3375	988	1.60	1056	1.78	1128	1.97	1201	2.17	1274	2.39	1346	2.61
	.55	3750	1080	2.14	1140	2.33	1203	2.53	1268	3.68	1334	2.98	1400	3.21
HWH120	.24	3000	635	0.78	670	0.81	740	0.95	806	1.10	869	1.25	929	1.41
	.32	3500	666	1.00	734	1.16	797	1.32	857	1.49	814	1.66	914	1.66
	.39	4000	736	1.41	796	1.59	854	1.78	909	1.96	962	2.15	1013	2.35
	.49	4500	761	1.49	820	1.67	876	1.85	930	2.04	982	2.23	1033	2.43
	.59	5000	888	2.61	938	2.84	986	3.07	1033	3.30	1078	3.53	1122	3.76
HW*D180	.32	5000	698	1.67	760	1.90	818	2.13	875	2.36	929	2.60	982	2.84
	.38	5500	754	2.16	811	2.41	865	2.66	918	2.92	969	3.18	1018	3.44
	.44	6000	810	2.74	863	3.02	914	3.29	963	3.56	1010	3.84	1057	4.12
	.50	6500	865	3.42	915	3.71	962	4.01	1009	4.30	1053	4.60	1097	4.90
	.58	7000	924	4.22	971	4.53	1016	4.85	1059	5.17	1101	5.49	1143	5.81
HW*D240	.36	7000	881	3.93	930	4.25	976	4.57	1021	4.89	1064	5.21	1106	5.53
	.41	7500	936	4.78	982	5.13	1026	5.47	1069	5.81	1110	6.15	1150	6.49
	.46	8000	991	5.74	1035	6.11	1077	6.48	1117	6.84	1156	7.20	1195	7.57
	.51	8500	1046	6.82	1088	7.22	1127	7.60	1166	7.99	1204	8.38	1240	8.76
	.56	9000	1101	8.03	1140	8.45	1178	8.86	1215	9.27	1251	9.68	1287	10.09

COMMERCIAL AIRE PRODUCTS 501 Terminal Road, Fort Worth TX 76106 Tel: 817-624-0820

(R-410A) Cooling Capacity HX*D-024

4 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.19 279	41,982	23,098	49.6	48.3
	40°F		36,560	20,477	53.5	51.9
	45°F		30,874	17,982	57.4	55.4
	50°F		24,900	15,580	61.1	58.9
800	35°F	0.30 372	51,730	28,526	52.1	50.4
	40°F		44,989	25,376	55.8	53.7
	45°F		37,828	22,297	59.3	56.9
	50°F		30,668	19,465	62.6	59.9
1000	35°F	0.43 465	60,408	33,439	54.2	52.1
	40°F		52,373	29,756	57.6	55.1
	45°F		43,969	26,203	60.8	58.0
	50°F		35,254	22,811	64.0	50.9

4 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.19 279	35,214	20,697	48.2	46.8
	40°F		29,888	18,122	52.2	50.4
	45°F		24,435	15,696	55.9	53.9
	50°F		18,462	13,257	59.6	57.5
800	35°F	0.30 372	43,382	25,634	50.5	48.7
	40°F		36,627	22,432	54.2	52.0
	45°F		29,626	19,376	57.7	55.3
	50°F		22,486	16,507	61.0	58.4
1000	35°F	0.43 465	50,611	30,068	52.3	50.1
	40°F		42,702	26,378	55.7	53.2
	45°F		34,383	22,796	59.0	56.2
	50°F		25,999	19,467	62.1	59.1

4 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.19 279	30,562	19,323	47.3	45.7
	40°F		25,433	16,820	51.2	49.3
	45°F		19,767	14,276	55.1	53.0
	50°F		14,036	11,915	58.7	56.5
800	35°F	0.30 372	37,620	23,964	49.4	47.4
	40°F		30,907	20,749	53.1	50.8
	45°F		24,154	17,765	56.5	54.0
	50°F		17,101	14,893	59.8	57.2
1000	35°F	0.43 465	43,915	28,170	51.0	48.7
	40°F		35,961	24,412	54.5	51.8
	45°F		27,810	20,857	57.8	54.9
	50°F		19,840	17,643	60.7	57.7

6 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.28 279	51,237	28,011	42.0	41.5
	40°F		44,558	24,639	47.2	46.5
	45°F		38,462	21,819	51.5	50.7
	50°F		31,482	18,865	56.0	55.1
800	35°F	0.45 372	64,113	35,113	44.5	43.9
	40°F		56,255	31,234	49.0	48.2
	45°F		47,889	27,444	53.4	52.3
	50°F		39,502	23,961	57.4	56.2
1000	35°F	0.64 465	75,468	41,445	46.8	46.0
	40°F		65,882	36,830	51.1	50.0
	45°F		55,808	32,376	55.2	53.8
	50°F		45,671	28,261	59.0	57.5

6 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.28 279	42,339	24,678	42.1	41.5
	40°F		36,529	21,749	46.6	45.9
	45°F		29,941	18,698	51.3	50.4
	50°F		22,830	15,699	55.9	54.9
800	35°F	0.45 372	53,403	31,231	44.0	43.3
	40°F		45,928	27,528	48.3	47.3
	45°F		37,510	23,694	52.7	51.6
	50°F		28,699	20,025	56.9	55.7
1000	35°F	0.64 465	63,493	37,263	45.7	44.7
	40°F		53,949	32,615	49.9	48.8
	45°F		44,375	28,324	53.9	52.5
	50°F		33,829	23,983	57.9	56.4

6 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.28 279	37,256	23,215	41.3	40.7
	40°F		30,999	20,041	46.2	45.4
	45°F		24,236	16,903	51.0	50.1
	50°F		17,562	14,077	55.4	54.3
800	35°F	0.45 372	46,946	29,401	43.1	42.2
	40°F		38,939	25,403	47.7	46.7
	45°F		30,560	21,564	52.2	51.0
	50°F		21,888	17,930	56.3	55.0
1000	35°F	0.64 465	55,227	34,827	44.9	43.8
	40°F		46,148	30,361	49.0	47.7
	45°F		36,096	25,811	53.2	51.8
	50°F		25,795	21,535	57.2	55.6

8 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.37 279	55,548	30,351	38.4	38.1
	40°F		48,439	26,664	44.0	43.7
	45°F		41,583	23,417	49.0	48.6
	50°F		34,275	20,265	53.9	53.4
800	35°F	0.60 372	71,385	39,015	40.1	39.7
	40°F		62,829	34,636	45.1	44.6
	45°F		53,703	30,357	50.0	49.5
	50°F		43,710	26,097	54.9	54.3
1000	35°F	0.86 465	84,644	46,328	43.3	41.9
	40°F		74,975	41,497	46.8	46.2
	45°F		63,850	36,386	51.5	50.8
	50°F		52,096	31,461	56.0	55.2

8 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.37 279	46,657	27,074	38.4	38.1
	40°F		39,633	23,439	44.0	43.6
	45°F		32,728	21,175	49.0	48.5
	50°F		25,435	17,035	53.8	53.3
800	35°F	0.60 372	59,883	34,812	39.9	39.5
	40°F		50,705	30,131	45.3	44.8
	45°F		41,732	25,950	50.1	49.5
	50°F		32,244	21,916	54.8	54.1
1000	35°F	0.86 465	72,149	42,030	41.3	40.8
	40°F		60,971	36,406	46.4	45.8
	45°F		50,502	31,580	50.9	50.2
	50°F		38,576	26,555	55.5	54.7

8 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
600	35°F	0.37 279	40,327	25,001	38.6	38.2
	40°F		33,764	21,609	43.8	43.3
	45°F		26,845	18,333	48.8	48.3
	50°F		19,663	15,233	53.6	53.0
800	35°F	0.60 372	52,216	32,441	39.6	39.1
	40°F		43,553	28,002	44.7	44.2
	45°F		34,194	23,615	49.8	49.1
	50°F		24,934	19,660	54.4	53.6
1000	35°F	0.86 465	62,262	38,880	41.2	40.6
	40°F		51,833	33,621	46.0	45.3
	45°F		40,938	28,581	50.7	49.9
	50°F		29,787	23,862	55.0	54.2

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(R-410A) Cooling Capacity HX*D-036

4 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.24 322	60,207	33,160	51.0	49.6
	40°F		52,313	29,446	54.8	53.0
	45°F		44,014	25,857	58.5	56.3
	50°F		35,346	22,417	62.0	59.6
1200	35°F	0.36 429	73,794	40,828	53.6	51.7
	40°F		63,933	36,296	57.1	54.8
	45°F		53,615	31,928	60.5	57.8
	50°F		42,912	27,759	63.7	60.8
1500	35°F	0.54 536	85,766	47,678	55.7	53.3
	40°F		74,000	42,381	59.0	56.2
	45°F		61,941	37,369	62.0	59.0
	50°F		49,555	32,616	65.0	61.6

4 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.24 322	50,459	29,765	49.5	47.9
	40°F		42,610	26,024	53.4	51.4
	45°F		34,404	22,426	57.0	54.8
	50°F		26,086	19,074	60.5	58.1
1200	35°F	0.36 429	61,773	36,679	51.8	49.8
	40°F		52,000	32,113	55.3	52.9
	45°F		41,848	27,740	58.7	56.0
	50°F		31,589	23,667	61.8	59.0
1500	35°F	0.54 536	71,790	42,896	53.6	51.2
	40°F		60,179	37,563	56.9	54.1
	45°F		48,410	32,567	60.0	57.0
	50°F		36,349	27,834	62.9	59.7

4 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.24 322	43,715	27,789	48.5	46.7
	40°F		35,909	24,033	52.4	50.3
	45°F		28,017	20,536	56.0	53.7
	50°F		19,818	17,189	59.4	56.9
1200	35°F	0.36 429	53,471	34,293	50.7	48.4
	40°F		43,764	29,705	54.2	51.6
	45°F		33,993	25,440	57.5	54.7
	50°F		24,052	21,431	60.5	57.6
1500	35°F	0.54 536	62,050	40,133	52.3	49.7
	40°F		50,611	34,806	55.6	52.7
	45°F		38,893	29,761	58.7	55.6
	50°F		27,684	25,288	61.5	58.2

6 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.35 322	73,873	40,434	43.6	43.1
	40°F		64,789	35,919	48.2	47.5
	45°F		55,723	31,776	52.5	51.5
	50°F		45,565	27,525	56.8	55.7
1200	35°F	0.56 429	92,919	50,959	45.9	45.1
	40°F		81,279	45,291	50.2	49.2
	45°F		69,048	39,823	54.4	53.2
	50°F		56,716	34,765	58.3	56.9
1500	35°F	0.82 536	109,087	60,021	48.1	47.1
	40°F		95,120	53,388	52.2	50.9
	45°F		80,293	46,913	56.2	54.7
	50°F		64,948	40,769	59.9	58.3

6 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.35 322	61,740	36,048	43.1	42.4
	40°F		53,169	31,769	47.5	46.6
	45°F		43,527	27,343	52.0	51.0
	50°F		33,048	22,957	56.5	55.4
1200	35°F	0.56 429	77,478	45,421	45.1	44.2
	40°F		65,851	39,733	49.5	48.4
	45°F		54,207	34,494	53.5	52.2
	50°F		41,316	29,172	57.6	56.2
1500	35°F	0.82 536	91,704	53,983	46.8	45.7
	40°F		77,753	47,269	51.0	49.6
	45°F		63,240	40,843	54.9	53.4
	50°F		48,513	34,846	58.6	56.9

6 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.35 322	54,300	33,925	42.3	41.5
	40°F		44,666	29,089	47.2	46.3
	45°F		35,439	24,844	51.6	50.5
	50°F		25,393	20,613	55.9	54.7
1200	35°F	0.56 429	67,384	42,427	44.4	43.4
	40°F		56,334	36,973	48.6	47.4
	45°F		44,066	31,401	52.9	51.5
	50°F		31,491	26,169	56.9	55.4
1500	35°F	0.82 536	79,741	50,502	46.0	44.7
	40°F		65,876	43,764	50.1	48.7
	45°F		51,761	37,445	54.0	52.4
	50°F		37,174	31,433	57.7	56.0

8 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.47 322	81,818	44,709	39.2	38.9
	40°F		71,293	39,296	44.8	44.3
	45°F		61,694	34,776	49.4	48.9
	50°F		50,251	29,864	54.4	53.8
1200	35°F	0.75 429	103,577	56,654	41.5	41.1
	40°F		91,973	50,796	46.0	45.5
	45°F		78,999	44,542	50.8	50.1
	50°F		63,751	38,312	55.6	54.8
1500	35°F	1.09 536	123,766	67,801	43.3	42.9
	40°F		109,479	60,736	47.7	47.0
	45°F		93,060	53,270	52.3	51.5
	50°F		75,217	45,873	56.8	55.9

8 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.47 322	68,822	39,965	39.1	38.7
	40°F		58,938	34,870	44.3	43.8
	45°F		48,118	29,775	49.5	49.0
	50°F		37,311	25,148	54.2	53.6
1200	35°F	0.75 429	87,866	51,140	40.7	40.3
	40°F		75,044	44,637	45.7	45.1
	45°F		61,068	38,156	50.7	50.0
	50°F		47,146	32,275	55.2	54.4
1500	35°F	1.09 536	104,360	60,964	42.5	42.0
	40°F		89,870	53,743	47.0	46.3
	45°F		73,627	46,298	51.6	50.7
	50°F		56,117	38,972	56.1	55.1

8 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
900	35°F	0.47 322	60,037	37,228	38.9	38.4
	40°F		49,687	31,894	44.3	43.8
	45°F		39,466	27,081	49.3	48.7
	50°F		28,838	22,515	53.9	53.3
1200	35°F	0.75 429	76,592	47,683	40.4	39.8
	40°F		63,761	41,155	45.4	44.7
	45°F		50,019	34,756	50.3	49.6
	50°F		36,423	28,979	54.7	53.9
1500	35°F	1.09 536	91,866	57,427	41.7	41.1
	40°F		76,331	49,623	46.5	45.7
	45°F		59,620	41,932	51.2	50.3
	50°F		43,330	35,076	55.4	54.5

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(R-410A) Cooling Capacity HX*D-048

4 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.23 288	90,297	49,823	46.7	46.1
	40°F		78,389	44,249	51.0	50.2
	45°F		65,863	38,859	55.2	54.2
	50°F		53,453	33,947	58.9	57.9
1600	35°F	0.37 354	110,999	61,688	49.5	48.5
	40°F		95,953	54,869	53.4	52.3
	45°F		80,417	48,372	57.1	55.9
	50°F		64,342	42,172	60.7	59.3
2000	35°F	0.54 480	129,118	72,317	51.7	50.5
	40°F		111,332	64,465	55.3	53.9
	45°F		93,091	57,009	58.7	57.2
	50°F		74,912	50,121	61.9	60.2

4 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.23 288	76,505	45,156	45.3	44.6
	40°F		63,882	39,146	49.9	49.1
	45°F		51,927	33,916	54.0	53.0
	50°F		39,110	28,760	57.9	56.8
1600	35°F	0.37 354	93,002	55,526	48.0	47.0
	40°F		78,135	48,656	52.0	50.8
	45°F		63,334	42,332	55.6	54.3
	50°F		47,553	36,101	59.2	57.8
2000	35°F	0.54 480	108,028	65,149	50.0	48.7
	40°F		90,530	57,243	53.6	52.2
	45°F		72,525	49,706	57.1	55.5
	50°F		54,829	42,833	60.3	58.6

4 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.23 288	65,714	41,872	44.8	44.0
	40°F		54,272	36,375	49.1	48.1
	45°F		41,883	30,894	53.3	52.2
	50°F		30,273	26,158	56.9	55.8
1600	35°F	0.37 354	80,603	52,028	47.0	45.9
	40°F		65,758	45,075	51.0	49.8
	45°F		50,904	38,645	54.7	53.4
	50°F		37,086	33,092	57.9	56.5
2000	35°F	0.54 480	93,550	61,157	48.8	47.5
	40°F		76,098	53,142	52.5	51.0
	45°F		59,165	45,917	55.8	54.2
	50°F		42,880	39,450	58.8	57.1

6 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.34 288	107,736	58,915	39.8	39.5
	40°F		94,273	52,103	45.0	44.6
	45°F		80,253	45,616	50.0	49.6
	50°F		65,013	39,202	54.9	54.4
1600	35°F	0.56 384	134,930	73,986	42.4	42.0
	40°F		117,815	65,609	47.2	46.8
	45°F		100,963	58,031	51.6	51.1
	50°F		82,274	50,324	56.0	55.4
2000	35°F	0.81 480	158,968	87,529	44.7	44.2
	40°F		138,148	77,643	49.2	48.7
	45°F		117,829	68,766	53.3	52.7
	50°F		95,293	59,712	57.5	56.8

6 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.34 288	90,106	52,472	39.7	39.4
	40°F		76,573	45,631	45.0	44.6
	45°F		61,998	38,907	50.1	49.7
	50°F		47,587	32,854	54.8	54.3
1600	35°F	0.56 384	113,815	66,584	41.6	41.2
	40°F		96,418	57,993	46.6	46.1
	45°F		78,424	49,854	51.3	50.7
	50°F		59,433	42,007	55.8	55.2
2000	35°F	0.81 480	133,817	78,812	43.7	43.2
	40°F		114,211	69,357	48.0	47.5
	45°F		92,641	59,782	52.5	51.8
	50°F		70,531	50,774	56.6	55.9

6 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.34 288	78,526	48,926	39.4	39.1
	40°F		64,389	41,769	44.9	44.5
	45°F		50,597	35,392	49.8	49.4
	50°F		36,930	29,612	54.3	53.8
1600	35°F	0.56 384	99,073	62,174	41.2	40.7
	40°F		81,665	53,526	46.2	45.7
	45°F		63,228	45,144	51.0	50.4
	50°F		46,210	38,051	55.1	54.5
2000	35°F	0.81 480	117,512	74,312	42.8	42.2
	40°F		96,576	64,102	47.5	46.8
	45°F		75,099	54,484	51.9	51.2
	50°F		54,598	46,033	55.8	55.1

8 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.46 288	113,626	62,090	37.3	37.1
	40°F		99,879	54,942	42.8	42.5
	45°F		85,538	48,122	48.0	47.8
	50°F		70,442	41,591	53.1	52.8
1600	35°F	0.74 384	148,320	81,064	38.3	38.0
	40°F		128,540	70,940	44.1	43.8
	45°F		109,761	62,181	49.2	48.9
	50°F		90,079	53,814	54.0	53.7
2000	35°F	1.08 480	178,052	97,422	40.1	39.8
	40°F		155,382	86,061	45.3	45.0
	45°F		130,736	74,797	50.5	50.2
	50°F		106,743	64,813	55.1	54.7

8 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.46 288	95,818	55,593	37.3	37.0
	40°F		81,813	48,318	42.9	42.6
	45°F		67,376	41,467	48.2	47.9
	50°F		52,308	34,964	53.1	52.8
1600	35°F	0.74 384	123,303	71,705	38.7	38.4
	40°F		105,065	62,399	44.1	43.7
	45°F		86,152	53,575	49.1	48.8
	50°F		66,588	45,256	53.9	53.6
2000	35°F	1.08 480	150,326	87,578	39.6	39.3
	40°F		126,505	75,592	45.2	44.8
	45°F		103,402	64,981	50.1	49.7
	50°F		79,648	55,015	54.6	54.2

8 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1200	35°F	0.46 288	83,800	51,856	37.2	36.9
	40°F		69,758	44,550	42.8	42.5
	45°F		55,242	37,653	48.1	47.8
	50°F		40,670	31,348	52.9	52.6
1600	35°F	0.74 384	107,767	66,965	38.4	38.1
	40°F		89,399	57,561	43.8	43.5
	45°F		70,483	48,706	48.9	48.6
	50°F		51,774	40,710	53.5	53.2
2000	35°F	1.08 480	129,944	81,120	39.6	39.3
	40°F		107,432	69,767	44.8	44.5
	45°F		84,431	59,150	49.7	49.4
	50°F		62,081	49,700	54.1	53.7

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(R-410A) Cooling Capacity HX*D-060

4 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.26 309	113,089	62,818	48.8	48.0
	40°F		100,566	57,090	52.1	52.1
	45°F		84,518	50,273	56.0	54.9
	50°F		67,827	43,747	59.8	58.6
2000	35°F	0.42 411	135,834	75,652	50.1	49.1
	40°F		117,324	67,330	54.0	52.8
	45°F		98,269	59,416	57.6	56.3
	50°F		78,646	51,890	61.1	59.6
2500	35°F	0.61 514	157,538	88,493	52.4	51.1
	40°F		135,714	78,940	55.9	54.4
	45°F		113,444	69,903	59.2	57.6
	50°F		90,666	61,333	62.4	60.6

4 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.26 309	97,374	57,806	46.7	45.9
	40°F		82,719	50,919	50.7	49.7
	45°F		66,582	43,921	54.7	53.6
	50°F		49,993	37,304	58.5	57.3
2000	35°F	0.42 411	113,783	68,123	48.6	47.5
	40°F		95,483	59,724	52.5	51.2
	45°F		77,318	52,009	56.0	54.7
	50°F		58,015	44,422	59.5	58.1
2500	35°F	0.61 514	131,850	79,793	50.6	49.3
	40°F		110,361	70,151	54.1	52.6
	45°F		88,335	60,985	57.5	55.9
	50°F		66,745	52,640	60.6	58.9

4 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.26 309	85,220	54,489	45.6	44.7
	40°F		69,613	47,057	49.9	48.8
	45°F		53,573	40,026	53.9	52.8
	50°F		38,881	34,074	57.4	56.1
2000	35°F	0.42 411	98,552	63,849	47.6	46.4
	40°F		81,040	55,683	51.3	50.0
	45°F		61,673	47,335	55.2	53.8
	50°F		45,316	40,792	58.2	56.7
2500	35°F	0.61 514	114,003	74,876	49.4	48.0
	40°F		92,734	65,170	53.0	51.4
	45°F		72,074	56,405	56.2	54.5
	50°F		52,422	48,621	59.1	57.3

6 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.38 309	131,705	72,081	40.7	40.4
	40°F		116,468	64,447	45.4	45.0
	45°F		99,060	56,437	50.3	49.9
	50°F		80,190	48,535	55.2	54.7
2000	35°F	0.63 411	168,049	92,148	42.5	42.2
	40°F		145,087	80,949	47.7	47.2
	45°F		124,385	71,698	52.0	51.4
	50°F		101,157	62,171	56.3	55.7
2500	35°F	0.91 514	195,631	107,835	45.2	44.8
	40°F		169,964	95,744	49.7	49.1
	45°F		143,516	84,236	53.9	53.2
	50°F		117,202	73,791	57.8	57.0

6 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.38 309	111,476	64,966	40.1	39.7
	40°F		94,696	56,521	45.3	44.9
	45°F		76,621	48,215	50.4	49.9
	50°F		58,791	40,751	55.0	54.5
2000	35°F	0.63 411	140,305	82,193	42.1	41.7
	40°F		118,972	71,710	47.0	46.4
	45°F		96,637	61,653	51.6	51.0
	50°F		73,232	52,017	56.0	55.4
2500	35°F	0.91 514	164,691	97,164	44.2	43.7
	40°F		140,551	85,591	48.4	47.8
	45°F		113,887	73,813	52.8	52.1
	50°F		86,727	62,792	56.9	56.1

6 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.38 309	97,125	60,591	39.8	39.4
	40°F		79,630	51,767	45.2	44.8
	45°F		62,459	43,856	50.1	49.6
	50°F		45,653	36,767	54.4	53.9
2000	35°F	0.63 411	121,001	76,209	41.9	41.4
	40°F		100,679	66,192	46.5	46.0
	45°F		78,551	56,149	51.1	50.5
	50°F		56,995	47,180	55.3	54.6
2500	35°F	0.91 514	144,716	91,716	43.2	42.6
	40°F		118,896	79,182	47.8	47.1
	45°F		92,381	67,355	52.2	51.4
	50°F		67,575	57,154	55.9	55.2

8 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.51 309	141,158	77,138	37.6	37.3
	40°F		123,996	68,248	43.1	42.8
	45°F		106,124	59,731	48.3	48.0
	50°F		87,445	51,727	53.2	52.9
2000	35°F	0.83 411	183,760	100,450	38.7	38.4
	40°F		160,866	88,755	44.1	43.8
	45°F		135,819	77,090	49.5	49.1
	50°F		111,472	66,783	54.2	53.9
2500	35°F	1.22 514	220,443	120,660	40.5	40.2
	40°F		192,185	106,574	45.7	45.4
	45°F		163,236	93,376	50.6	50.2
	50°F		131,971	80,387	55.4	54.9

8 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.51 309	119,050	69,095	37.5	37.3
	40°F		101,696	60,106	43.1	42.8
	45°F		83,743	51,607	48.3	48.0
	50°F		64,975	43,523	53.3	52.9
2000	35°F	0.83 411	154,539	89,840	38.6	38.3
	40°F		130,200	77,429	44.3	44.0
	45°F		106,783	66,540	49.3	49.0
	50°F		82,587	56,278	54.1	53.7
2500	35°F	1.22 514	186,103	108,505	40.0	39.7
	40°F		157,893	94,342	45.2	44.9
	45°F		127,972	80,621	50.3	49.9
	50°F		98,535	68,307	54.8	54.4

8 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
1500	35°F	0.51 309	104,130	64,477	37.4	37.1
	40°F		86,693	55,427	42.9	42.6
	45°F		68,710	46,898	48.2	47.9
	50°F		50,553	39,053	53.0	52.7
2000	35°F	0.83 411	133,561	83,078	38.7	38.4
	40°F		110,822	71,475	44.1	43.7
	45°F		87,416	60,548	49.1	48.7
	50°F		64,240	50,661	53.7	53.3
2500	35°F	1.22 514	162,327	101,317	39.6	39.3
	40°F		132,978	86,537	45.1	44.7
	45°F		104,374	73,375	49.9	49.5
	50°F		76,824	61,755	54.2	53.8

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(R-410A) Cooling Capacity HX*D-090

4 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.38 306	168,947	93,183	46.8	46.1
	40°F		146,853	82,820	51.1	50.2
	45°F		123,874	72,901	55.1	54.1
	50°F		100,956	63,793	58.9	57.7
3000	35°F	0.57 408	207,421	115,217	49.6	48.6
	40°F		179,734	103,642	53.5	52.3
	45°F		151,128	90,641	57.2	55.8
	50°F		121,568	791,193	60.7	59.2
3750	35°F	0.77 511	240,958	134,887	51.8	50.6
	40°F		208,308	120,445	55.4	53.9
	45°F		174,631	106,641	58.8	57.2
	50°F		141,305	93,970	61.9	60.1

4 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.38 306	142,022	83,887	45.6	44.9
	40°F		121,110	73,907	49.7	48.8
	45°F		98,182	63,818	53.9	52.8
	50°F		74,261	54,148	57.8	56.7
3000	35°F	0.57 408	174,179	103,881	48.1	47.1
	40°F		146,777	91,181	52.0	50.8
	45°F		119,408	79,445	55.6	54.3
	50°F		89,478	67,590	59.2	57.8
3750	35°F	0.77 511	202,166	121,770	50.1	48.8
	40°F		169,930	107,162	53.7	52.2
	45°F		137,864	93,672	57.0	55.4
	50°F		103,957	80,434	60.2	58.5

4 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.38 306	123,351	78,487	44.8	44
	40°F		102,458	68,413	49.0	48.0
	45°F		79,512	58,212	53.2	52.1
	50°F		57,626	49,245	56.8	55.7
3000	35°F	0.57 408	151,190	97,426	47.1	45.9
	40°F		123,940	84,619	51.0	49.7
	45°F		96,616	72,736	54.7	53.3
	50°F		70,350	62,136	57.9	56.4
3750	35°F	0.77 511	175,353	114,412	48.9	47.5
	40°F		143,229	99,610	52.5	51.0
	45°F		111,282	85,945	55.9	54.2
	50°F		81,242	73,972	58.8	57.1

6 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.57 306	199,260	109,012	40.3	40.0
	40°F		176,560	97,570	45.0	44.7
	45°F		150,552	85,525	50.0	49.5
	50°F		122,159	73,558	54.9	54.4
3000	35°F	0.85 408	253,271	138,838	42.3	42.0
	40°F		218,833	121,992	47.5	47.1
	45°F		187,793	108,078	51.8	51.3
	50°F		152,922	93,734	56.2	55.6
3750	35°F	1.16 511	295,973	163,004	44.9	44.5
	40°F		257,455	144,765	49.4	48.8
	45°F		219,986	128,411	53.4	52.8
	50°F		178,340	111,679	57.6	56.8

6 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.57 306	168,401	98,076	39.8	39.5
	40°F		143,320	85,401	45.0	44.6
	45°F		116,260	72,911	50.1	49.7
	50°F		89,457	61,641	54.8	54.3
3000	35°F	0.85 408	212,306	124,236	41.8	41.4
	40°F		180,310	108,447	46.7	46.2
	45°F		146,858	93,311	51.3	50.8
	50°F		111,567	78,715	55.8	55.2
3750	35°F	1.16 511	251,874	148,180	43.6	43.1
	40°F		213,239	129,515	48.2	47.6
	45°F		173,301	111,784	52.5	51.8
	50°F		132,326	95,078	56.6	55.9

6 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.57 306	146,837	91,497	39.5	39.1
	40°F		120,596	78,211	45.0	44.5
	45°F		95,054	66,392	49.8	49.3
	50°F		69,548	55,590	54.2	53.7
3000	35°F	0.85 408	185,145	116,197	41.3	40.8
	40°F		152,755	100,107	46.2	45.7
	45°F		118,730	84,628	51.0	50.4
	50°F		86,919	71,352	55.1	54.5
3750	35°F	1.16 511	219,312	138,721	42.9	42.3
	40°F		180,646	119,861	47.5	46.9
	45°F		140,861	102,030	51.9	51.2
	50°F		102,578	86,231	55.8	55.0

8 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.75 308	212,465	116,102	37.4	37.2
	40°F		186,826	102,787	42.9	42.6
	45°F		160,113	90,093	48.1	47.8
	50°F		132,053	77,956	53.1	52.8
3000	35°F	1.19 408	276,104	150,923	38.6	38.4
	40°F		241,657	133,310	44.0	43.7
	45°F		204,061	115,786	49.4	49.1
	50°F		167,514	100,303	54.2	53.8
3750	35°F	1.56 511	331,855	181,611	40.4	40.1
	40°F		289,460	160,429	45.6	45.2
	45°F		246,082	140,606	50.4	50.1
	50°F		199,143	121,060	55.2	54.8

8 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.75 308	179,015	103,882	37.4	37.2
	40°F		153,061	90,418	43.0	42.7
	45°F		126,126	771,644	48.2	47.9
	50°F		97,996	65,506	53.2	52.9
3000	35°F	1.19 408	232,626	135,198	38.5	38.2
	40°F		196,115	116,543	44.2	43.9
	45°F		161,014	100,187	49.2	48.9
	50°F		124,600	84,713	54.0	53.6
3750	35°F	1.56 511	280,258	163,340	39.9	39.5
	40°F		235,788	141,014	45.3	45.0
	45°F		193,121	121,448	50.2	49.8
	50°F		148,860	102,892	54.7	54.3

8 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
2250	35°F	0.75 308	156,622	96,948	37.3	37.0
	40°F		130,576	83,408	42.8	42.5
	45°F		103,545	70,566	48.1	47.8
	50°F		76,296	58,774	52.9	52.6
3000	35°F	1.19 408	201,069	125,007	38.6	38.3
	40°F		167,013	107,597	43.9	43.6
	45°F		131,863	91,156	49.0	48.6
	50°F		97,017	76,265	53.6	53.2
3750	35°F	1.56 511	244,741	152,640	39.5	39.1
	40°F		200,544	130,330	45.0	44.6
	45°F		157,765	110,601	49.8	49.4
	50°F		116,132	93,004	54.1	53.7

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(R-410A) Cooling Capacity HX*D-120

4 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.31	219,976	121,555	47.7	46.9
	40°F	0.41	191,093	108,135	51.8	50.8
	45°F	322	161,008	95,257	55.7	54.6
	50°F	344	129,849	82,983	59.5	58.3
4000	35°F	0.46	269,235	149,948	50.4	49.4
	40°F	0.61	232,901	133,610	54.2	52.9
	45°F	430	195,651	118,122	57.8	56.3
	50°F	446	157,264	103,366	61.2	59.6
5000	35°F	0.70	311,290	174,921	52.8	51.4
	40°F	0.83	269,085	156,453	56.2	54.6
	45°F	537	225,531	138,763	59.4	57.7
	50°F	557	180,731	121,877	62.5	60.6

4 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.31	184,890	109,492	46.4	45.5
	40°F	0.41	156,178	95,926	50.5	49.5
	45°F	322	127,500	83,419	54.4	53.3
	50°F	344	95,695	70,648	58.3	57.1
4000	35°F	0.46	225,960	135,233	48.8	47.7
	40°F	0.61	190,139	118,772	52.6	51.3
	45°F	430	154,481	103,594	56.1	54.7
	50°F	446	116,651	88,684	59.6	58.0
5000	35°F	0.70	261,291	158,091	50.9	49.5
	40°F	0.83	219,421	139,287	54.3	52.7
	45°F	537	176,439	121,364	57.6	55.9
	50°F	557	134,001	104,914	60.7	58.8

4 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.31	160,603	102,539	45.5	44.6
	40°F	0.41	133,138	89,390	49.5	48.5
	45°F	322	103,222	76,172	53.6	52.4
	50°F	344	74,831	64,593	57.2	55.0
4000	35°F	0.46	196,078	126,914	47.8	46.5
	40°F	0.61	160,460	110,298	51.6	50.2
	45°F	430	124,759	94,873	55.1	53.6
	50°F	446	91,260	81,418	58.2	56.7
5000	35°F	0.70	226,572	148,652	49.6	48.1
	40°F	0.83	184,754	129,534	53.1	51.4
	45°F	537	142,426	111,564	56.4	54.6
	50°F	557	105,287	96,841	59.1	57.3

6 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.46	260,704	142,734	41.1	40.8
	40°F	0.61	228,177	126,563	46.1	45.7
	45°F	322	194,335	111,142	50.9	50.4
	50°F	334	158,943	96,401	55.4	54.9
4000	35°F	0.73	326,789	179,522	43.6	43.2
	40°F	0.91	284,801	159,298	48.3	47.8
	45°F	430	243,876	141,157	52.5	51.9
	50°F	446	198,345	122,611	56.7	56.1
5000	35°F	1.05	350,769	200,772	47.9	47.2
	40°F	1.25	336,415	189,714	50.0	49.4
	45°F	537	287,264	168,425	54.0	53.2
	50°F	557	232,837	146,698	58.0	57.2

6 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.46	221,557	129,161	40.3	40.0
	40°F	0.61	188,396	112,498	45.4	45.0
	45°F	322	152,802	96,152	50.5	50.0
	50°F	334	117,627	81,420	55.0	54.5
4000	35°F	0.73	275,540	161,710	42.7	42.3
	40°F	0.91	236,185	142,467	47.2	46.6
	45°F	430	192,464	122,798	51.7	51.1
	50°F	446	146,131	103,739	56.1	55.4
5000	35°F	1.05	325,955	192,471	44.5	44.0
	40°F	1.25	278,586	169,817	48.7	48.0
	45°F	537	226,278	146,740	53.0	52.2
	50°F	557	172,857	125,067	56.0	56.1

6 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.46	193,052	120,495	40.0	39.6
	40°F	0.61	158,634	103,154	45.3	44.9
	45°F	322	124,901	87,609	50.1	49.6
	50°F	334	91,473	73,496	54.4	53.9
4000	35°F	0.73	242,595	152,609	41.8	41.3
	40°F	0.91	200,310	131,721	46.6	46.1
	45°F	430	155,527	111,441	51.3	50.7
	50°F	446	113,985	113,985	55.3	54.6
5000	35°F	1.05	286,525	181,776	43.5	42.9
	40°F	1.25	236,076	157,329	48.0	47.3
	45°F	537	184,105	134,154	52.3	51.5
	50°F	557	134,939	113,925	56.0	55.2

8 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.62	280,988	153,556	37.8	37.6
	40°F	0.81	247,089	136,034	43.2	42.9
	45°F	322	211,554	119,223	48.4	48.1
	50°F	334	174,414	103,224	53.3	53.0
4000	35°F	0.98	363,025	198,500	39.3	39.0
	40°F	1.22	317,574	175,449	44.6	44.3
	45°F	430	267,861	152,453	49.9	49.5
	50°F	446	219,436	132,080	54.6	54.2
5000	35°F	1.40	407,598	230,789	42.3	42.3
	40°F	1.67	381,092	211,517	46.0	46.7
	45°F	537	323,778	185,477	50.8	50.4
	50°F	557	262,007	159,881	55.5	55.1

8 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.62	279,719	152,873	38.0	37.8
	40°F	0.81	245,487	135,242	43.5	43.2
	45°F	322	209,907	118,481	48.6	48.3
	50°F	334	172,751	102,542	53.5	53.2
4000	35°F	0.98	363,025	198,500	39.3	39.0
	40°F	1.22	317,574	175,449	44.6	44.3
	45°F	430	267,861	152,453	49.9	49.5
	50°F	446	219,436	132,080	54.6	54.2
5000	35°F	1.40	346,350	209,383	41.3	41.3
	40°F	1.67	297,753	185,689	45.6	45.6
	45°F	537	246,851	162,116	50.0	50.0
	50°F	557	194,518	140,661	54.0	54.0

8 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
3000	35°F	0.62	207,200	128,361	37.6	37.3
	40°F	0.81	172,770	110,521	43.0	42.7
	45°F	322	137,025	93,584	48.2	47.9
	50°F	334	101,065	78,050	53.0	52.7
4000	35°F	0.98	265,411	165,205	38.9	38.6
	40°F	1.22	220,324	142,246	44.2	43.9
	45°F	430	174,058	120,679	49.2	48.8
	50°F	446	128,089	101,081	53.7	53.3
5000	35°F	1.40	321,882	201,103	39.9	39.6
	40°F	1.67	263,987	172,024	45.3	44.9
	45°F	537	207,756	146,189	50.1	49.6
	50°F	557	153,063	123,135	54.3	53.8

COMMERCIAL AIRE PRODUCTS 501 Terminal Road, Fort Worth TX 76106 Tel: 817-624-0820

(R-410A) Cooling Capacity HX*D-180

4 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.41	348,614	193,472	49.3	48.4
	40°F	0.51	302,253	172,339	53.2	52.1
	45°F	381	254,321	152,164	57.0	55.6
	50°F	400	206,538	133,579	60.4	58.9
6000	35°F	0.55	394,593	220,289	51.2	50.0
	40°F	0.66	341,438	196,574	54.8	53.4
	45°F	457	286,581	173,917	58.3	56.7
	50°F	480	230,383	152,434	61.6	59.9
7000	35°F	0.70	435,967	244,930	52.8	51.4
	40°F	0.82	376,905	219,072	56.2	54.6
	45°F	533	316,032	194,332	59.4	57.6
	50°F	560	253,849	170,874	62.5	60.6

4 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.41	292,841	174,438	47.8	46.8
	40°F	0.51	246,951	153,103	51.8	50.6
	45°F	381	201,064	133,369	55.4	54.1
	50°F	400	151,932	113,843	59.0	57.6
6000	35°F	0.55	331,213	198,811	49.5	48.2
	40°F	0.66	278,730	174,850	53.1	51.7
	45°F	457	226,389	152,689	56.5	55.0
	50°F	480	170,974	130,938	59.9	58.2
7000	35°F	0.70	365,974	221,370	50.9	49.4
	40°F	0.82	307,467	195,079	54.3	52.7
	45°F	533	149,374	170,811	57.5	55.8
	50°F	560	188,010	146,981	60.6	58.8

4 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.41	254,272	163,586	46.8	45.7
	40°F	0.51	208,699	142,103	50.8	49.5
	45°F	381	162,835	122,106	54.5	53.1
	50°F	400	118,949	104,157	57.8	56.4
6000	35°F	0.55	287,420	186,716	48.3	47.0
	40°F	0.66	235,248	162,514	52.0	50.6
	45°F	457	182,917	140,003	55.5	53.9
	50°F	480	133,986	120,410	58.5	56.8
7000	35°F	0.70	317,428	208,181	49.6	48.1
	40°F	0.82	259,255	181,567	53.1	51.4
	45°F	533	199,829	156,317	56.4	54.6
	50°F	560	147,694	135,636	59.1	57.3

6 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.62	400,345	225,806	43.2	42.9
	40°F	0.77	373,326	207,396	46.8	46.3
	45°F	381	317,670	182,196	51.4	50.9
	50°F	400	259,623	158,153	55.8	55.3
6000	35°F	0.83	448,222	254,444	45.8	45.5
	40°F	0.99	392,405	229,305	49.7	49.3
	45°F	457	364,831	211,092	52.6	52.0
	50°F	480	297,731	183,729	56.8	56.1
7000	35°F	1.06	489,938	280,526	47.9	47.3
	40°F	1.24	427,697	252,404	51.6	51.0
	45°F	533	404,636	236,801	53.8	53.1
	50°F	560	332,530	207,868	57.6	56.8

6 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.62	340,188	204,980	42.1	41.8
	40°F	0.77	307,198	183,958	46.1	45.6
	45°F	381	249,381	157,573	51.0	50.4
	50°F	400	182,606	133,894	55.3	54.7
6000	35°F	0.83	380,870	231,531	44.3	44.0
	40°F	0.99	353,283	213,042	47.3	46.7
	45°F	457	288,538	183,890	51.8	51.1
	50°F	480	220,428	155,789	56.1	55.4
7000	35°F	1.06	416,317	255,736	46.2	45.6
	40°F	1.24	392,237	238,745	48.6	47.9
	45°F	533	323,190	208,130	52.6	51.9
	50°F	560	248,015	177,414	56.6	55.8

6 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.62	314,787	196,926	40.7	40.2
	40°F	0.77	261,118	170,011	45.7	45.1
	45°F	381	204,109	143,820	50.5	49.9
	50°F	400	150,192	121,122	54.7	54.1
6000	35°F	0.83	362,386	227,970	42.0	41.4
	40°F	0.99	300,207	197,238	46.7	46.1
	45°F	457	236,168	168,148	51.2	50.5
	50°F	480	172,215	141,451	55.3	54.6
7000	35°F	1.06	365,167	242,009	45.0	44.4
	40°F	1.24	336,342	222,960	47.6	46.9
	45°F	533	263,825	190,397	51.9	51.2
	50°F	560	193,805	161,408	55.7	54.9

8 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.82	452,476	254,873	37.9	37.9
	40°F	1.02	399,458	227,597	42.9	42.9
	45°F	381	343,219	201,264	47.8	47.8
	50°F	400	284,536	175,575	52.5	52.5
6000	35°F	1.1	514,472	290,326	40.2	40.2
	40°F	1.33	452,683	259,739	45.0	45.0
	45°F	457	387,508	230,394	49.5	49.5
	50°F	480	320,104	201,605	53.9	53.9
7000	35°F	1.34	569,556	322,544	42.4	42.4
	40°F	1.65	499,680	289,202	46.8	46.8
	45°F	533	426,345	256,105	51.2	51.2
	50°F	560	351,091	225,787	55.2	55.2

8 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.82	384,485	230,156	37.4	37.4
	40°F	1.02	332,580	203,247	42.4	42.4
	45°F	381	276,807	170,783	48.5	48.2
	50°F	400	216,274	149,725	53.3	53.0
6000	35°F	1.1	437,165	262,836	39.5	39.5
	40°F	1.33	376,895	232,577	44.1	44.1
	45°F	457	322,408	200,341	49.2	48.9
	50°F	480	251,003	169,917	53.9	53.5
7000	35°F	1.34	483,972	292,649	41.3	41.3
	40°F	1.65	416,023	259,556	45.7	45.7
	45°F	533	344,863	226,634	50.1	50.1
	50°F	560	283,485	194,111	54.4	54.0

8 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
5000	35°F	0.82	337,246	215,493	37.1	37.1
	40°F	1.02	286,032	183,126	43.2	42.9
	45°F	381	228,084	155,685	48.3	48.0
	50°F	400	169,067	130,163	53.0	52.6
6000	35°F	1.1	383,454	246,749	39.0	39.0
	40°F	1.33	324,238	216,730	43.6	43.6
	45°F	457	265,169	182,729	48.9	48.5
	50°F	480	196,236	153,173	53.5	53.1
7000	35°F	1.34	424,510	275,405	40.6	40.6
	40°F	1.65	357,900	242,507	45.0	45.0
	45°F	533	300,108	208,739	49.5	49.1
	50°F	560	222,107	175,549	53.9	53.4

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(R-410A) Cooling Capacity HX*D-240

4 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.45	480,710	267,171	49.8	48.8
	40°F	0.55	416,579	238,105	53.6	52.4
	45°F	400	350,333	210,360	57.3	55.9
	50°F	420	282,009	183,932	60.8	59.3
8000	35°F	0.55	526,124	293,719	51.2	50.0
	40°F	0.66	455,251	262,099	54.8	53.4
	45°F	457	382,108	231,889	58.3	56.7
	50°F	480	307,178	203,245	61.6	59.9
9000	35°F	0.66	568,184	318,680	52.4	51.0
	40°F	0.78	491,125	284,787	55.8	54.3
	45°F	514	411,952	252,485	59.1	57.4
	50°F	540	330,429	221,641	62.3	60.5

4 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.45	403,673	240,926	48.3	47.2
	40°F	0.55	340,261	211,587	52.1	50.9
	45°F	400	276,853	184,432	55.7	54.3
	50°F	420	207,603	157,026	59.3	57.9
8000	35°F	0.55	441,617	265,081	49.5	48.2
	40°F	0.66	371,639	233,133	53.1	51.7
	45°F	457	301,852	203,586	56.5	55.0
	50°F	480	227,965	174,585	59.9	58.2
9000	35°F	0.66	476,775	287,840	50.5	49.2
	40°F	0.78	400,710	253,530	54.0	52.5
	45°F	514	325,099	221,843	57.3	55.6
	50°F	540	243,384	190,056	60.5	58.7

4 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.45	350,594	226,095	47.2	46.1
	40°F	0.55	287,521	196,487	51.1	59.8
	45°F	400	224,165	168,959	54.8	53.3
	50°F	420	163,356	144,432	58.0	56.5
8000	35°F	0.55	383,226	248,955	48.3	47.0
	40°F	0.66	313,664	216,686	52.0	50.6
	45°F	457	243,889	186,670	55.5	53.9
	50°F	480	178,648	160,547	58.5	56.8
9000	35°F	0.66	413,580	270,603	49.3	47.8
	40°F	0.78	337,931	235,880	52.8	51.2
	45°F	514	262,526	203,724	56.1	54.4
	50°F	540	192,003	175,674	59.0	57.2

6 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.67	550,628	310,998	43.9	43.9
	40°F	0.82	511,679	285,085	47.5	47.0
	45°F	400	439,630	252,720	51.7	51.2
	50°F	420	358,934	219,441	56.1	55.5
8000	35°F	0.83	597,629	339,259	45.8	45.8
	40°F	0.99	523,207	305,740	49.7	49.3
	45°F	457	486,441	281,456	52.6	52.0
	50°F	480	396,974	244,972	56.8	56.1
9000	35°F	1.00	640,021	365,610	47.4	46.8
	40°F	1.17	559,094	328,720	51.2	50.6
	45°F	514	530,312	308,878	53.4	52.7
	50°F	540	432,016	269,223	57.4	56.7

6 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.67	467,888	282,500	42.7	42.4
	40°F	0.82	425,231	255,107	46.4	45.9
	45°F	400	348,192	220,033	51.0	50.5
	50°F	420	266,549	186,031	55.5	54.9
8000	35°F	0.83	507,826	308,709	44.3	44.0
	40°F	0.99	471,043	284,056	47.3	46.7
	45°F	457	384,717	245,187	51.8	51.1
	50°F	480	293,904	207,719	56.1	55.4
9000	35°F	1.00	543,848	333,163	45.8	45.1
	40°F	1.17	513,959	311,599	48.1	47.5
	45°F	514	419,810	269,631	52.4	51.7
	50°F	540	322,290	229,680	56.5	55.7

6 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.67	435,945	273,108	41.0	40.6
	40°F	0.82	361,818	236,072	45.9	45.4
	45°F	400	282,743	199,853	50.7	50.1
	50°F	420	207,745	168,357	54.8	54.2
8000	35°F	0.83	483,182	303,960	42.0	41.4
	40°F	0.99	400,276	262,983	46.7	46.1
	45°F	457	314,891	224,197	51.2	50.5
	50°F	480	229,621	188,602	55.3	54.6
9000	35°F	1.00	477,029	315,104	44.6	44.0
	40°F	1.17	436,795	288,900	47.4	46.7
	45°F	514	340,215	245,460	51.9	51.1
	50°F	540	250,375	208,250	55.7	54.9

8 Row DX Coil						
85°F EDB / 71°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.89	624,923	352,112	38.5	38.5
	40°F	1.10	551,219	314,563	43.4	43.4
	45°F	400	473,152	278,372	48.2	48.2
	50°F	420	397,656	236,754	53.8	53.5
8000	35°F	1.10	685,963	387,101	40.2	40.2
	40°F	1.33	603,578	346,319	45.0	45.0
	45°F	457	516,677	307,192	49.5	49.5
	50°F	480	443,808	265,996	54.4	54.0
9000	35°F	1.17	741,825	419,670	41.9	41.9
	40°F	1.57	651,271	376,071	46.3	46.3
	45°F	514	556,120	332,791	50.8	50.8
	50°F	540	458,298	293,191	54.9	54.9

8 Row DX Coil						
80°F EDB / 67°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.89	531,019	318,176	38.0	38.0
	40°F	1.10	458,934	281,109	42.9	42.9
	45°F	400	384,607	237,718	48.7	48.4
	50°F	420	300,366	201,548	53.5	53.1
8000	35°F	1.10	582,887	350,448	39.5	39.5
	40°F	1.33	502,526	310,102	44.1	44.1
	45°F	457	429,877	267,121	49.2	48.9
	50°F	480	334,671	226,556	53.9	53.5
9000	35°F	1.17	630,355	380,575	40.9	40.9
	40°F	1.57	542,235	337,338	45.3	45.3
	45°F	514	472,749	295,417	49.7	49.3
	50°F	540	367,543	250,918	54.3	53.9

8 Row DX Coil						
77°F EDB / 64°F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Leaving Air Temp. WB °F
7000	35°F	0.89	465,776	298,110	37.6	37.6
	40°F	1.10	397,612	254,919	43.4	43.1
	45°F	400	316,735	216,722	48.5	48.1
	50°F	420	234,764	181,350	53.1	52.8
8000	35°F	1.10	511,272	328,999	39.0	39.0
	40°F	1.33	432,318	288,973	43.6	43.6
	45°F	457	353,558	243,639	48.9	48.5
	50°F	480	261,648	204,230	53.5	53.1
9000	35°F	1.17	552,908	357,941	40.2	40.2
	40°F	1.57	466,478	314,982	44.6	44.6
	45°F	514	388,674	269,737	49.4	49.0
	50°F	540	287,534	226,625	53.8	53.4

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