



**COMMERCIAL  
AIRE PRODUCTS™**

## **HORIZONTAL DOUBLE WALL BELT DRIVE AIR HANDLERS**

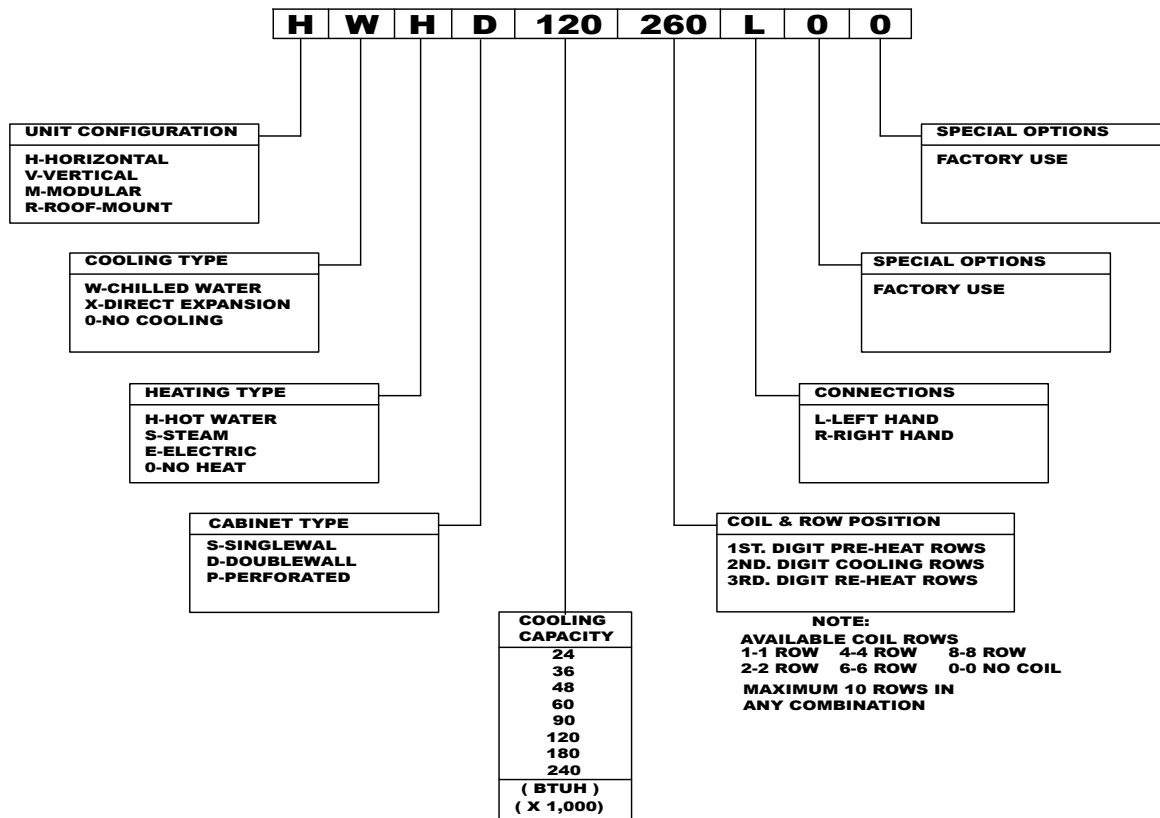
DX OR CHILLED WATER COOLING  
HOT WATER OR ELECTRIC HEATING



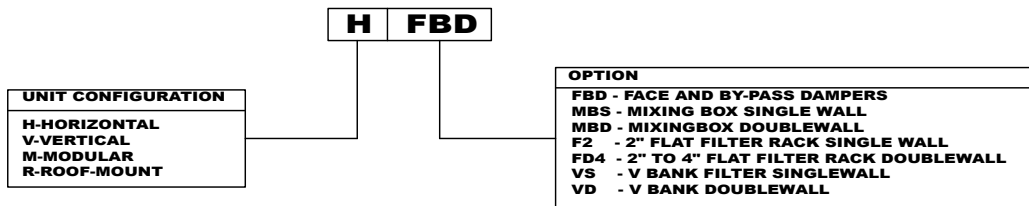
**SIZES FROM 600 CFM TO 9,000 CFM**



## BELT DRIVE UNIT NOMENCLATURE



## ACCESSORIES NOMENCLATURE



### COIL DATA

MODEL	FIN BLOCK H X W	FACE AREA	ROWS	FPI	WATER CONN. HEADER OD	DX CONN.		MODEL	FIN BLOCK H X W	FACE AREA	ROWS	FPI	WATER CONN. HEADER OD	DX CONN.				
						SUCT	LIQ.							SUCT	LIQ.			
24-H	10 X 31	2.15	1	10	5/8	N/A	N/A	90-H	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	3/8				6		1-3/8	1-5/8	5/8			
			6			7/8	3/8				8		1-5/8	1-5/8	5/8			
			8			7/8	3/8											
36-H	13 X 31	2.80	1		5/8	N/A	N/A	120-H	28.5 X 47	9.30	2		7/8	N/A	N/A	1-1/8	1-5/8	5/8
			2			N/A	N/A				4		1-3/8	1-5/8	5/8			
			4			7/8	3/8				6		1-5/8	1-5/8	5/8			
			6			7/8	3/8				8		1-1/8	N/A	N/A			
			8			1-1/8	3/8				2		1-1/8	N/A	N/A			
48-H	15 X 40	4.17	1	5/8	N/A	N/A	180-H	31.5 X 60	13.13	4	1-3/8	1-5/8	5/8	1-5/8	2-1/8	5/8		
			2		N/A	N/A				6	2-1/8	2-1/8	5/8					
			4		7/8	1/2				8	1-3/8	N/A	N/A					
			6		1-1/8	1/2				2	1-5/8	2-1/8	5/8					
			8		1-1/8	1-3/8				1/2	4	1-3/8	N/A	N/A				
60-H	17.5 X 40	4.86	1	5/8	N/A	N/A	240-H	42 X 60	17.50	6	1-5/8	2-1/8	5/8	2-1/8	2-1/8	5/8		
			2		N/A	N/A				8	2-1/8	2-1/8	5/8					
			4		7/8	1/2												
			6		1-1/8	1/2												
			8		1-1/8	1-3/8				1/2								

CONTACT THE FACTORY FOR ADDITIONAL COIL INFORMATION

All Technical Specifications Subject to Change Without Notice.

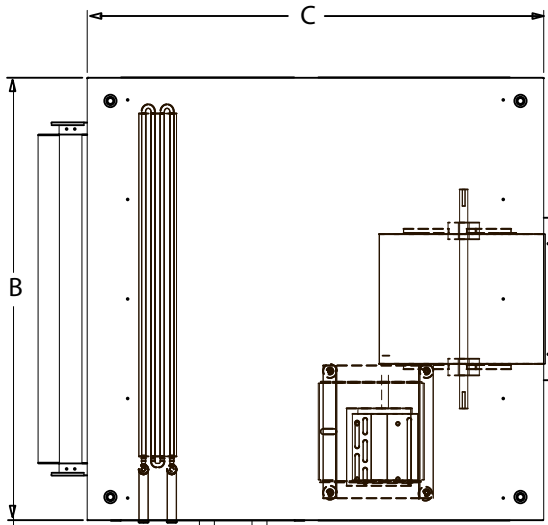
**For more information contact Customer Service**

Phone (817) 624.0820 Fax (817) 624.8581

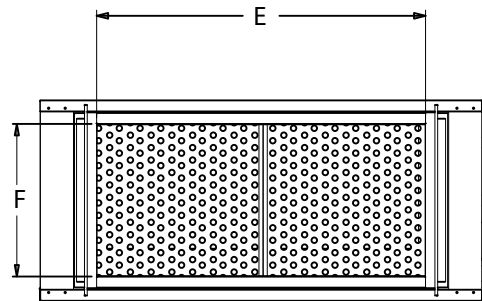


## HORIZONTAL BELT DRIVE

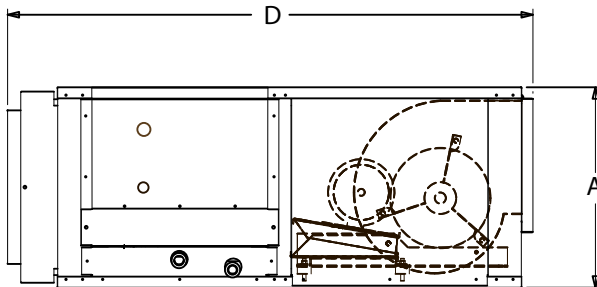
TOP-VIEW



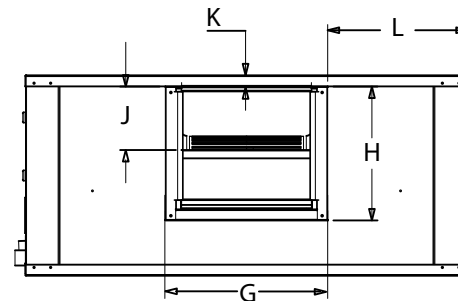
REAR VIEW  
(FILTER RACK DUCT CONNECTION)



SIDE VIEW



FRONT VIEW  
(SUPPLY DUCT CONNECTION)



### DIMENSIONS

UNIT SIZE	A	B	C	D	E	F	G	H	J	K	L
24	18.00	40.00	42.00	47.50	29.75	13.75	9.13	11.13	6.75	1.25	15.44
36	18.00	40.00	42.00	47.50	29.75	13.75	12.69	11.13	6.75	1.25	13.66
48	22.00	49.00	42.00	47.50	38.75	17.75	14.00	12.25	7.44	1.25	17.50
60	22.00	49.00	42.00	47.50	38.75	17.75	16.50	14.50	7.75	1.25	16.25
90-120	34.00	57.00	57.50	63.00	44.75	29.75	19.50	16.75	10.13	7.75	18.75
180-240	47.00	72.00	57.50	63.00	59.79	42.75	22.75	19.75	12.19	4.88	24.63

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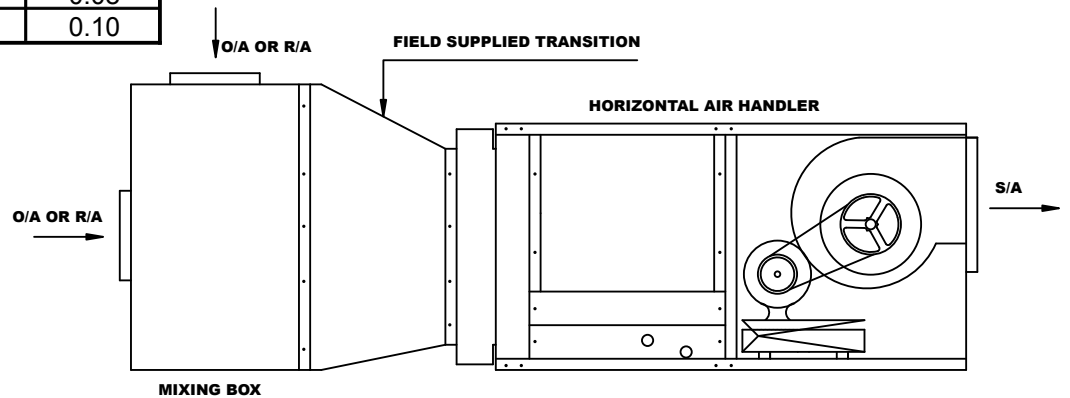
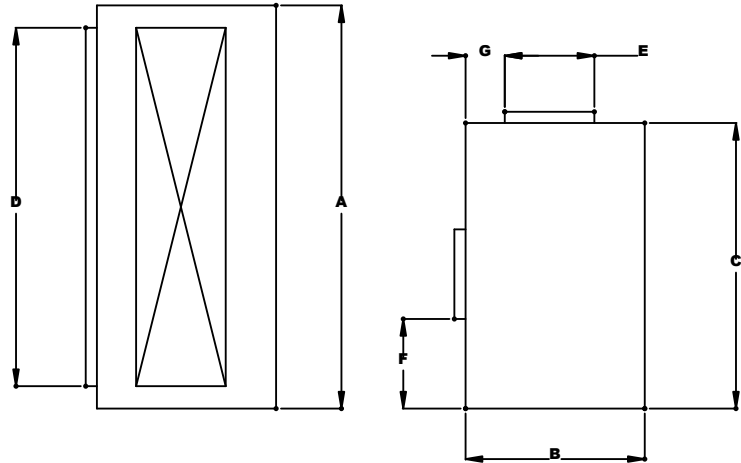
Phone (817) 624.0820 Fax (817) 624.8581



## MIXING BOX

### PRESSURE DROP

MODEL	CFM	S/P
H**D24	600	0.04
	800	0.07
	1000	0.08
H**D36	900	0.05
	1200	0.08
	1500	0.11
H**D48	1200	0.06
	1600	0.10
	2000	0.15
H**D60	1500	0.04
	2000	0.07
	2500	0.11
H**D90	2250	0.04
	3000	0.06
	3750	0.10
H**D120	3000	0.01
	4000	0.03
	5000	0.04
H**D180	5000	0.03
	6000	0.05
	7000	0.06
H**D240	7000	0.06
	8000	0.08
	9000	0.10



### DIMRNSIONS

MODEL	A	B	C	D	E	F	G	WT
H**D24	18.0	16.0	16.0	16.0	8.0	6.0	3.5	43.0
H**D36	27.5	16.0	16.0	25.5	8.0	6.0	3.5	60.0
H**D48	29.0	16.0	20.0	27.0	8.0	8.0	3.5	65.0
H**D60	36.0	16.0	20.0	34.0	8.0	8.0	3.5	75.0
H**D90	45.0	18.0	25.0	43.0	10.0	8.0	3.5	115.0
H**D120	48.0	20.0	32.0	46.0	12.0	10.0	3.5	131.0
H**D180	57.8	22.0	40.3	56.0	14.0	12.0	3.5	186.0
H**D240	66.0	22.0	45.0	64.0	14.0	15.0	3.5	201.0

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For more information contact Customer Service

Phone (817) 624.0820 Fax (817) 624.8581

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# HORIZONTAL FILTER ARRANGEMENTS

Note: Standard filter rack (HF2) only accepts 2" TA or pleated filters. Double wall filter rack (HFD4) accepts 2" or 4" TA or pleated filters.

UNIT MODEL		FILTER QUANTITY							
		24	36	48	60	90	120	180	240
Filter Size	14" X 20" X 2/4"							5	5
	14" X 25" X 2/4"							5	5
	16" X 16" X 2/4"					6	6		
	16" X 20" X 2/4"	2	2						
	20" X 20" X 2/4"			2	2				
FILTER TOTAL		2	2	2	2	6	6	10	10

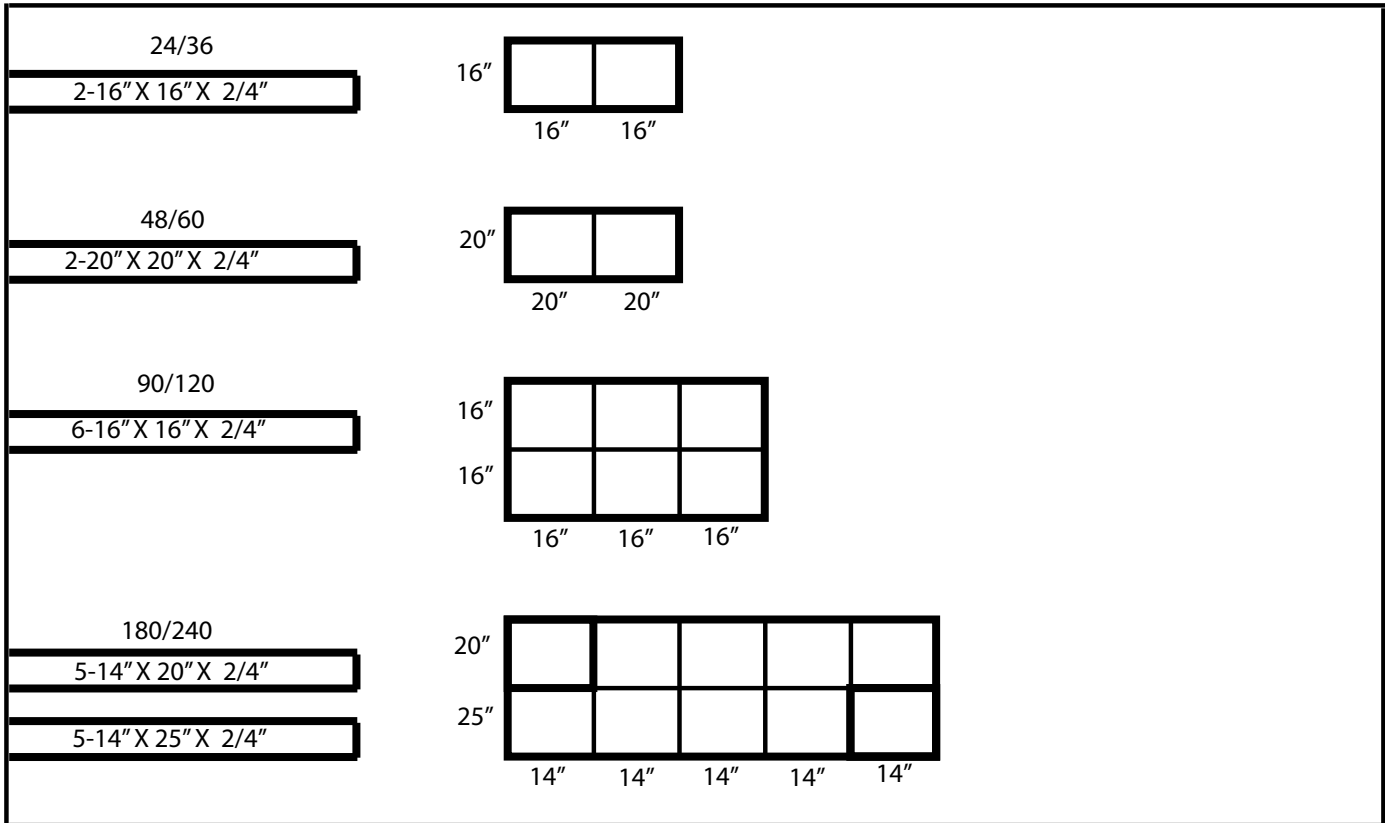


CHART ABOVE SHOWS SPECIFIC FILTER ARRANGEMENTS

2" FILTER RACKS ARE SIDE LOADING  
4" FILTER RACKS ARE SIDE, TOP OR BOTTOM LOADING (Except 90, 120, 180, & 240-SIDES ONLY)



**CHILLED WATER 10°F WATER TEMPERATURE RISE 45°F EWT/55° LWT**

**24-HW-4 ROW Chilled Water Cooling**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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	7.0	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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	52.1	51.8	12.3	5.5	61.4	45.7	51.6	51.3



**CHILLED WATER 10°F WATER TEMPERATURE RISE 45°F EWT/55° LWT**

**60-HW-4 ROW Chilled Water Cooling**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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	45.2	41.6	57.6	56.3

**60-HW-6 ROW Chilled Water Cooling**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB	GPM	WPD	TMBH	SMBH	LDB	LWB
2500	31.8	9.1	159.0	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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	50.9	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°F WATER TEMPERATURE RISE 45°F EWT/55° LWT**

**180-HW-4 ROW Chilled Water Cooling**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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	168.0	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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	204.7	59.0	58.1	38.5	4.5	192.8	176.7	56.9	55.0

**240-HW-6 ROW Chilled Water Cooling**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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**

CFM	85.0°F DB/71.0°F WB						80.0°F DB/67.0°F WB						75.0°F DB/63.0°F WB					
	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	247.3	51.5	51.2	56.5	5.4	282.8	207.8	51.1	50.8
9000	108.2	18.2	541.7	317.6	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



# Cooling Capacity HX\*D-24

4 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
600	35 °F		38540	21222	50.9	48.8
	40 °F	0.19	34720	19470	53.7	51.4
	45 °F	279	30600	17740	56.5	54.1
	50 °F		24810	15530	60.0	57.6
800	35 °F		45640	25420	54.3	51.8
	40 °F	0.30	40450	23190	57.0	54.3
	45 °F	372	35540	21240	59.4	56.5
	50 °F		29460	19000	62.1	59.2
1000	35 °F		50210	28520	57.5	54.4
	40 °F	0.43	45720	26680	59.3	56.1
	45 °F	465	39520	24300	61.5	58.3
	50 °F		33460	22120	63.6	60.3

4 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
600	35 °F		33300	19670	48.6	46.6
	40 °F	0.19	29620	17890	51.5	49.2
	45 °F	278	24460	15640	55.1	52.6
	50 °F		18820	13440	58.6	56.1
800	35 °F		38800	23280	52.2	49.6
	40 °F	0.30	34340	21260	54.6	51.8
	45 °F	372	29130	19100	57.2	54.3
	50 °F		22210	16460	60.3	57.4
1000	35 °F		44090	26780	54.4	51.3
	40 °F	0.43	38140	24200	56.9	53.6
	45 °F	465	33060	22150	58.8	55.5
	50 °F		25160	19200	61.6	58.3

4 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
600	35 °F		29500	18810	47.2	45.1
	40 °F	0.19	25270	16700	50.5	48.1
	45 °F	279	20100	14410	54.2	51.6
	50 °F				* SEE BELOW	
800	35 °F		34560	22400	50.4	47.7
	40 °F	0.30	30160	20330	52.8	49.9
	45 °F	372	25950	20940	52.1	50.3
	50 °F		22800	18250	55.3	53.5
1000	35 °F		35290	25340	52.9	49.7
	40 °F	0.43	33230	23060	55.1	51.7
	45 °F	465	27110	20520	57.5	54.1
	50 °F		19980	17420	60.4	57.0

6 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
600	35 °F		45360	24830	45.1	43.8
	40 °F	0.28	41180	22770	48.4	46.9
	45 °F	279	36780	20810	51.5	50.0
	50 °F		30510	18280	55.6	54.2
800	35 °F		55450	30510	48.2	46.7
	40 °F	0.45	50050	28020	51.2	49.5
	45 °F	372	43700	25350	54.4	52.7
	50 °F		37270	22870	57.4	55.7
1000	35 °F				* * * SEE BELOW	
	40 °F	0.64	56840	32370	53.8	51.8
	45 °F	465	49000	29230	56.8	54.9
	50 °F		41640	26500	59.4	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	Wb °F
600	35 °F		39400	23111	43.2	42.0
	40 °F	0.28	35480	21060	46.4	45.0
	45 °F	279	31670	18310	50.8	49.3
	50 °F		23150	15720	55.0	53.5
800	35 °F		47910	28280	46.2	44.7
	40 °F	0.45	42070	25450	49.6	47.9
	45 °F	372	36500	23010	52.5	50.7
	50 °F		28380	19780	56.4	54.6
1000	35 °F		54610	32590	48.8	47.0
	40 °F	0.65	47270	29240	52.0	50.1
	45 °F	465	40960	26600	54.6	52.6
	50 °F		32680	23600	57.6	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	Wb °F
600	35 °F		34970	22080	42.0	40.9
	40 °F	0.29	30340	19600	45.9	44.4
	45 °F	279	24370	16820	50.3	48.7
	50 °F				* SEE BELOW	
800	35 °F		42110	26860	45.1	43.5
	40 °F	0.46	36710	24150	48.3	46.5
	45 °F	372	30120	21190	51.8	49.9
	50 °F		21570	17750	55.9	54.1
1000	35 °F		48460	31260	47.3	45.4
	40 °F	0.66	41580	27980	50.4	48.3
	45 °F	465	35010	25120	53.1	51.0
	50 °F		24910	21130	56.9	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	Wb °F
600	35 °F		50080	27420	40.9	40.1
	40 °F	0.37	45400	24910	44.9	43.8
	45 °F	279	40560	22610	48.6	47.4
	50 °F		33640	19710	53.3	52.1
800	35 °F		61530	33690	44.4	43.2
	40 °F	0.60	54860	30440	48.3	47.0
	45 °F	372	47970	27440	51.9	50.6
	50 °F		41930	25030	54.8	53.6
1000	35 °F				* * * SEE BELOW	
	40 °F	0.86	64600	36160	50.1	48.7
	45 °F	465	55980	32540	53.6	52.2
	50 °F		49280	29950	56.1	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	Wb °F
600	35 °F		43430	25460	39.4	38.8
	40 °F	0.38	38990	22950	43.4	42.3
	45 °F	279	32690	19890	48.3	47.0
	50 °F		25850	17000	52.9	51.7
800	35 °F		53450	31360	42.5	41.5
	40 °F	0.60	46560	27820	46.7	45.4
	45 °F	372	41060	25310	49.8	48.4
	50 °F		32190	21650	54.1	52.8
1000	35 °F				* * * SEE BELOW	
	40 °F	0.87	54930	33140	48.3	46.9
	45 °F	465	46650	29500	51.8	50.3
	50 °F		37700	25930	55.2	53.8

8 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
600	35 °F		36570	24280	38.5	37.9
	40 °F	0.38	33490	21360	43.1	42.0
	45 °F	279	27210	18290	48.0	46.7
	50 °F		19900	15190	52.9	51.7
800	35 °F		46770	29580	41.8	40.8
	40 °F	0.61	41200	26640	45.3	44.0
	45 °F	372	33820	23180	49.4	48.0
	50 °F		24800	19440	53.9	52.6
1000	35 °F		55130	35080	43.6	42.4
	40 °F	0.88	47420	21200	47.3	45.8
	45 °F	465	40130	27890	50.5	48.9
	50 °F		28960	23340	54.8	53.4

\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TOO LOW  
 \*\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TOO HIGH

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# Cooling Capacity HX\*D-36

4 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		54500	30170	52.6	50.3
	40 °F	0.24	48510	27520	55.5	53.0
	45 °F	322	42850	25140	58.0	55.5
	50 °F		35430	22430	60.9	58.3
** SEE BELOW						
1200	35 °F		67600	32930	58.5	55.5
	40 °F	0.38	49180	30000	60.9	57.8
	45 °F	429	41640	27270	63.1	59.9
	50 °F					
** SEE BELOW						
1500	35 °F		63080	37480	60.9	57.4
	40 °F	0.54	53850	34040	63.1	59.5
	45 °F	536	45310	31050	65.0	61.4
	50 °F					

6 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		65850	36100	46.3	44.9
	40 °F	0.35	59600	33090	49.5	48.0
	45 °F	322	53040	30220	52.6	41.0
	50 °F		43500	26450	56.6	55.1
1200	35 °F		79900	43830	49.7	48.0
	40 °F	0.56	70360	39850	53.0	51.1
	45 °F	429	62400	36590	55.6	53.7
	50 °F		52880	32910	58.5	56.7
** SEE BELOW						
1500	35 °F		81110	48600	55.0	52.9
	40 °F	0.82	69900	42190	57.9	55.7
	45 °F	536	60830	38850	60.0	57.9
	50 °F					

8 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		72800	39850	42.3	41.3
	40 °F	0.47	65310	35970	46.4	45.2
	45 °F	322	58930	33040	49.6	48.3
	50 °F		48850	28890	54.0	52.9
** SEE BELOW						
1200	35 °F		73480	41710	51.5	50.1
	40 °F	0.75	70080	40290	52.6	51.2
	45 °F	429	60480	36520	55.6	54.3
	50 °F					
** SEE BELOW						
1500	35 °F		90230	51240	52.0	50.5
	40 °F	1.09	81260	47580	54.4	52.9
	45 °F	536	67420	42340	57.8	56.3
	50 °F					

4 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		46500	27690	50.6	48.2
	40 °F	0.24	41180	25210	53.2	50.7
	45 °F	322	34890	22540	56.0	53.4
	50 °F		28830	19430	59.4	56.7
1200	35 °F		54680	33080	53.6	50.7
	40 °F	0.38	47410	29880	56.2	53.1
	45 °F	429	41320	27410	58.2	55.0
	50 °F		31530	23710	61.1	57.9
1500	35 °F		59580	36960	56.4	53.6
	40 °F	0.55	53530	34420	58.1	54.6
	45 °F	536	44750	30960	60.3	56.7
	50 °F		35500	27560	62.4	58.8

6 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		57130	33560	44.3	43.0
	40 °F	0.36	51230	30560	47.5	46.0
	45 °F	322	42460	26590	51.7	50.1
	50 °F		33180	22860	55.7	54.1
1200	35 °F		68620	40690	47.6	45.9
	40 °F	0.57	60130	36680	50.8	48.9
	45 °F	429	51950	33170	53.6	51.7
	50 °F		40030	28500	57.3	55.4
1500	35 °F		77840	46780	50.2	48.1
	40 °F	0.83	67350	42090	53.2	51.0
	45 °F	536	58100	38290	55.6	53.4
	50 °F		45420	33640	58.6	56.4

8 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		62730	36760	40.9	40.1
	40 °F	0.48	56550	32950	45.0	43.8
	45 °F	322	47140	28950	49.2	47.9
	50 °F		37490	24930	53.5	52.3
1200	35 °F		76190	44860	44.3	43.0
	40 °F	0.76	66360	40490	47.7	46.3
	45 °F	429	56620	37010	50.5	49.1
	50 °F		46230	31570	54.8	53.5
** SEE BELOW						
1500	35 °F		78290	47710	49.6	48.0
	40 °F	1.10	68410	42620	52.8	51.3
	45 °F	536	53910	37710	56.0	54.5
	50 °F					

4 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		41410	26620	48.9	46.5
	40 °F	0.24	36080	24030	51.6	49.0
	45 °F	322	28720	20620	55.0	52.2
	50 °F					
** SEE BELOW						
1200	35 °F		48400	31710	51.9	48.9
	40 °F	0.39	41380	28500	54.4	51.2
	45 °F	429	33940	25370	56.9	53.6
	50 °F		23760	21460	60.0	56.7
1500	35 °F		53920	36050	54.1	50.6
	40 °F	0.56	45740	32450	56.4	52.8
	45 °F	536	38270	29400	58.4	54.6
	50 °F		26670	25020	61.1	57.4

6 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		50610	32040	43.2	41.8
	40 °F	0.36	43760	28460	46.9	45.3
	45 °F	322	34980	24440	51.2	49.5
	50 °F					
** SEE BELOW						
1200	35 °F		60390	38730	46.3	44.6
	40 °F	0.58	52470	34850	49.4	47.4
	45 °F	429	42780	30580	52.8	50.8
	50 °F		30510	25720	56.6	54.7
1500	35 °F		69270	44990	48.5	46.4
	40 °F	0.84	59280	40330	51.4	49.2
	45 °F	536	49360	36090	54.1	51.8
	50 °F		34950	30470	57.7	55.5

8 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
900	35 °F		55760	35140	39.9	39.1
	40 °F	0.48	48430	31060	44.2	43.0
	45 °F	322	39230	26700	48.8	47.5
	50 °F		28970	22370	53.4	52.1
1200	35 °F		67260	42730	43.1	41.9
	40 °F	0.77	59100	38540	46.5	45.0
	45 °F	429	49050	33930	50.1	48.6
	50 °F		35510	28390	54.5	53.1
1500	35 °F		78560	50350	45.1	43.6
	40 °F	1.11	67310	44860	48.1	46.9
	45 °F	536	57840	40660	51.2	49.6
	50 °F		41310	34010	55.4	53.9

\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO LOW  
 \*\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO HIGH



# Cooling Capacity HX\*D-48

4 Row DX Coil						
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		88340	48390	46.1	44.7
	40 °F	0.23	78650	43710	49.8	48.3
	45 °F	288	68540	39350	53.4	51.7
	50 °F		54680	33980	57.7	56.1
	55 °F		40820	28620	62.0	60.4
1600	35 °F		108110	59600	49.1	47.4
	40 °F	0.37	96160	54170	52.3	50.5
	45 °F	384	82600	48600	55.7	53.9
	50 °F		67710	43020	59.1	57.3
	55 °F		52820	37460	62.4	60.6
2000	35 °F		124710	69420	51.5	49.6
	40 °F	0.54	112790	64240	54.0	52.0
	45 °F	480	97380	58070	57.0	55.0
	50 °F		82470	51900	60.2	58.3
	55 °F		67560	45730	63.4	61.5

4 Row DX Coil						
CFM	Suction Temp.	APD FV	80 °F EDB / 67 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		75520	44380	44.6	43.3
	40 °F	0.23	65530	39390	48.6	47.0
	45 °F	288	53790	34230	52.7	51.0
	50 °F		40080	28870	57.0	55.4
	55 °F		26370	23510	61.3	59.7
1600	35 °F		92240	54860	47.3	45.7
	40 °F	0.38	79960	48860	50.8	49.0
	45 °F	384	66760	43260	54.1	52.3
	50 °F		49590	36670	58.1	56.3
	55 °F		32420	26120	62.4	60.6
2000	35 °F		108340	64690	49.1	47.2
	40 °F	0.55	94240	58220	52.2	50.1
	45 °F	480	76230	50780	55.7	53.7
	50 °F		58120	43980	59.0	57.0
	55 °F		41010	37180	62.4	60.5

4 Row DX Coil						
CFM	Suction Temp.	APD FV	77 °F EDB / 64 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		66150	41960	43.7	42.4
	40 °F	0.23	56250	36900	47.8	46.1
	45 °F	288	43320	31220	52.3	50.5
	50 °F		30950	26250	56.2	54.5
	55 °F		18580	21280	60.6	58.9
1600	35 °F		80980	51860	46.2	44.4
	40 °F	0.38	68260	45740	49.8	47.9
	45 °F	384	54110	39620	53.5	51.5
	50 °F		38610	33580	57.0	55.2
	55 °F		23110	28610	61.4	59.6
2000	35 °F		95550	61730	47.6	45.7
	40 °F	0.56	79010	53960	51.3	49.2
	45 °F	480	63360	47360	54.5	52.3
	50 °F		45460	40460	57.8	55.7
	55 °F		28960	33560	61.1	59.2

6 Row DX Coil						
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		101340	55520	40.4	39.6
	40 °F	0.34	90500	49680	45.0	43.9
	45 °F	288	75920	42980	50.4	49.2
	50 °F		60300	36770	55.4	54.4
	55 °F		44680	30560	60.4	59.4
1600	35 °F		126940	69450	43.1	42.1
	40 °F	0.56	113260	62590	47.3	46.0
	45 °F	384	99230	56350	51.0	49.7
	50 °F		84610	49110	54.7	53.4
	55 °F		68990	42870	58.4	57.1
2000	35 °F		149370	81940	45.5	44.2
	40 °F	0.81	133720	74510	49.0	47.7
	45 °F	480	115370	66690	52.8	51.5
	50 °F		97020	58860	56.6	55.3
	55 °F		79370	51030	60.4	59.1

6 Row DX Coil						
CFM	Suction Temp.	APD FV	80 °F EDB / 67 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		86610	50760	39.6	38.9
	40 °F	0.35	73270	43520	45.3	44.1
	45 °F	288	58090	36640	50.8	49.6
	50 °F		44960	31420	55.0	53.9
	55 °F		31830	26200	59.2	58.1
1600	35 °F		97490	57840	45.4	44.2
	40 °F	0.57	82210	49040	50.7	49.4
	45 °F	384	67030	42220	55.4	54.2
	50 °F		53900	37000	59.6	58.4
	55 °F		40770	31780	63.8	62.6
2000	35 °F		111470	67210	47.9	46.5
	40 °F	0.83	94190	59620	51.5	50.1
	45 °F	480	77010	50180	56.0	54.8
	50 °F		60830	42740	60.6	59.4
	55 °F		44650	35300	64.2	63.0

6 Row DX Coil						
CFM	Suction Temp.	APD FV	77 °F EDB / 64 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		74450	46920	39.8	39.1
	40 °F	0.35	59780	39110	46.0	44.8
	45 °F	288	47410	33530	50.4	49.2
	50 °F		36650	29180	53.9	52.8
	55 °F		25900	24830	57.4	56.3
1600	35 °F		95200	60150	41.2	40.3
	40 °F	0.57	81330	52820	45.6	44.3
	45 °F	384	63710	44770	50.4	49.1
	50 °F		48500	38590	54.1	52.8
	55 °F		33300	28300	57.8	56.5
2000	35 °F		112010	71240	43.1	41.9
	40 °F	0.83	95500	62910	47.1	45.7
	45 °F	480	76760	54550	51.1	49.7
	50 °F		55190	45940	55.2	53.9
	55 °F		39990	37330	58.9	57.6

8 Row DX Coil						
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		104620	57410	38.2	38.2
	40 °F	0.46	94010	51500	43.6	42.5
	45 °F	288	83160	46280	47.8	46.7
	50 °F		65790	39030	53.6	52.6
	55 °F		50440	32780	59.6	58.6
1600	35 °F		135290	74080	40.3	39.5
	40 °F	0.74	121970	66940	44.6	43.5
	45 °F	384	97730	55990	51.2	50.1
	50 °F		84280	50670	54.4	53.5
	55 °F		70830	45350	57.6	56.5
2000	35 °F		160990	86030	42.5	41.6
	40 °F	1.08	145000	80020	46.4	45.2
	45 °F	480	126770	71850	50.3	49.2
	50 °F		108520	63700	54.2	53.2
	55 °F		92270	55550	58.1	57.1

8 Row DX Coil						
CFM	Suction Temp.	APD FV	80 °F EDB / 67 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		89250	52350	38.3	37.8
	40 °F	0.46	80310	47210	42.4	41.4
	45 °F	288	63640	39170	48.8	47.7
	50 °F		48480	32810	53.3	52.3
	55 °F		33320	26460	57.8	56.8
1600	35 °F		102260	60410	43.9	42.8
	40 °F	0.75	85240	52350	48.7	47.6
	45 °F	384	68040	44210	53.7	52.6
	50 °F		50840	37730	57.5	56.6
	55 °F		35640	29620	61.4	60.4
2000	35 °F		138100	80970	41.3	40.4
	40 °F	1.1	121730	72420	45.4	44.2
	45 °F	480	102850	48300	49.5	48.3
	50 °F		84340	54190	54.1	53.1
	55 °F		68830	48080	58.9	57.9

8 Row DX Coil						
CFM	Suction Temp.	APD FV	77 °F EDB / 64 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		78450	49400	37.9	37.4
	40 °F	0.47	66280	42470	43.3	42.3
	45 °F	288	50840	35170	49.1	48.0
	50 °F		38210	29970	53.2	52.3
	55 °F		26420	24770	57.3	56.4
1600	35 °F		102420	64500	38.7	38.1
	40 °F	0.76	88040	56420	43.5	42.4
	45 °F	384	70590	48080	48.4	47.3
	50 °F		49150	39210	53.7	52.7
	55 °F		33710	28300	57.4	56.4
2000	35 °F		122040	77040	40.4	39.6
	40 °F	1.11	105240	68030	44.7	43.5
	45 °F	480	84320	58300	49.3	48.1
	50 °F		62220	49230	53.6	52.5
	55 °F		46720	39120	57.3	56.2

\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TOO LOW  
 \*\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TOO HIGH

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# Cooling Capacity HX\*D-48

4 Row DX Coil						
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		88340	48390	46.1	44.7
	40 °F	0.23	78650	43710	49.8	48.3
	45 °F	288	68540	39350	53.4	51.7
	50 °F		54680	33980	57.7	56.1
1600	35 °F		108110	59600	49.1	47.4
	40 °F	0.37	96160	54170	52.3	50.5
	45 °F	384	82600	48600	55.7	53.9
	50 °F		67710	43020	59.1	57.3
2000	35 °F		124710	69420	51.5	49.6
	40 °F	0.54	112790	64240	54.0	52.0
	45 °F	480	97380	58070	57.0	55.0
	50 °F		79000	51300	60.2	58.3

4 Row DX Coil						
CFM	Suction Temp.	APD FV	80 °F EDB / 67 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		75520	44380	44.6	43.3
	40 °F	0.23	65530	39390	48.6	47.0
	45 °F	288	53790	34230	52.7	51.0
	50 °F		40080	28870	57.0	55.4
1600	35 °F		92240	54860	47.3	45.7
	40 °F	0.38	79960	48860	50.8	49.0
	45 °F	384	66760	43260	54.1	52.3
	50 °F		49590	36670	58.1	56.3
2000	35 °F		108370	64890	49.1	47.2
	40 °F	0.55	94240	58220	52.2	50.1
	45 °F	480	76230	50780	55.7	53.7
	50 °F		58120	43980	59.0	57.0

4 Row DX Coil						
CFM	Suction Temp.	APD FV	77 °F EDB / 64 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		66150	41960	43.7	42.4
	40 °F	0.23	56250	36900	47.8	46.1
	45 °F	288	43920	31220	52.3	50.5
	50 °F		30950	26250	56.2	54.5
1600	35 °F		80890	51860	46.2	44.4
	40 °F	0.38	68260	45740	49.8	47.9
	45 °F	384	54110	39620	53.5	51.5
	50 °F		38610	33580	57.0	55.2
2000	35 °F		95550	61730	47.6	45.7
	40 °F	0.56	79010	53960	51.3	49.2
	45 °F	480	63360	47360	54.5	52.3
	50 °F		45460	40460	57.8	55.7

6 Row DX Coil						
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		101340	55520	40.4	39.6
	40 °F	0.34	90500	49680	45.0	43.9
	45 °F	288	75920	42990	50.4	49.2
	50 °F		60300	36770	55.4	54.4
1600	35 °F		126940	69450	43.1	42.1
	40 °F	0.56	113260	62590	47.3	46.0
	45 °F	384	99230	56350	51.0	49.7
	50 °F		80810	41200	60.1	59.2
2000	35 °F		149570	81940	45.5	44.2
	40 °F	0.81	133720	74510	49.0	47.7
	45 °F	480	11570	66990	52.8	51.5
	50 °F		71010	50440	60.7	59.6

6 Row DX Coil						
CFM	Suction Temp.	APD FV	80 °F EDB / 67 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		86610	50760	39.6	38.9
	40 °F	0.35	73270	43520	45.3	44.1
	45 °F	288	58090	36640	50.8	49.6
	50 °F		44960	31420	55.0	53.9
1600	35 °F		105340	63540	42.0	41.0
	40 °F	0.57	97490	57840	45.4	44.2
	45 °F	384	78220	49040	50.7	49.4
	50 °F		58600	41220	55.4	54.2
2000	35 °F		127700	75200	44.0	42.9
	40 °F	0.83	111470	67210	47.9	46.5
	45 °F	480	94190	59620	51.5	50.1
	50 °F		70210	50180	56.0	54.8

6 Row DX Coil						
CFM	Suction Temp.	APD FV	77 °F EDB / 64 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		74450	46920	39.8	39.1
	40 °F	0.35	59780	39110	44.0	44.8
	45 °F	288	47410	33530	50.4	49.2
	50 °F		36650	29180	53.9	52.8
1600	35 °F		95200	60150	41.2	40.3
	40 °F	0.57	81330	52820	45.6	44.3
	45 °F	384	63710	44770	50.4	49.1
	50 °F		48500	38590	54.1	52.8
2000	35 °F		112010	71240	43.1	41.9
	40 °F	0.83	95500	62910	47.1	45.7
	45 °F	480	76760	54550	51.1	49.7
	50 °F		55190	45940	55.2	53.9

8 Row DX Coil						
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		104620	57410	38.8	38.2
	40 °F	0.46	94010	51500	43.6	42.5
	45 °F	288	83160	46280	47.8	46.7
	50 °F		65790	39030	53.6	52.6
1600	35 °F		135290	74080	40.3	39.5
	40 °F	0.74	121970	66940	44.6	43.5
	45 °F	384	97730	55990	51.2	50.1
	50 °F		84280	50670	54.4	53.5
2000	35 °F		160890	88030	42.5	41.6
	40 °F	1.08	145000	80020	46.4	45.2
	45 °F	480	126770	71850	50.3	49.2
	50 °F		106720	63780	54.2	53.2

8 Row DX Coil						
CFM	Suction Temp.	APD FV	80 °F EDB / 67 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		89250	52350	38.3	37.8
	40 °F	0.46	80310	47210	42.4	41.4
	45 °F	288	63640	39170	48.8	47.7
	50 °F		36480	28510	57.3	56.5
1600	35 °F		106840	68480	39.1	38.4
	40 °F	0.75	102280	60410	43.9	42.8
	45 °F	384	85240	52350	48.7	47.6
	50 °F		48040	37730	57.5	56.6
2000	35 °F		136100	80970	41.3	40.4
	40 °F	1.1	121790	72420	45.4	44.2
	45 °F	480	102850	48000	49.5	48.3
	50 °F		79340	54190	54.1	53.1

8 Row DX Coil						
CFM	Suction Temp.	APD FV	77 °F EDB / 64 °F EWB		Leaving Air Temp.	
			Total Capacity	Sensible Capacity	DB °F	Wb °F
1200	35 °F		78450	49400	37.9	37.4
	40 °F	0.47	66280	42470	43.3	42.3
	45 °F	288	50840	35170	49.1	48.0
	50 °F		38210	29970	53.2	52.3
1600	35 °F		102420	64500	38.7	38.1
	40 °F	0.76	88040	56420	43.5	42.4
	45 °F	384	70590	48080	48.4	47.3
	50 °F		49150	39210	53.7	52.7
2000	35 °F		122040	77040	40.4	39.6
	40 °F	1.11	105240	68030	44.7	43.5
	45 °F	480	84320	58300	49.3	48.1
	50 °F		62220	49230	53.6	52.5

\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO LOW  
 \*\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO HIGH

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# Cooling Capacity HX\*D-90

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		174880	95740	43.9	42.8
	40 °F	0.38	157920	87370	47.5	46.3
	45 °F	3.06	140200	79510	50.9	49.6
3000	50 °F		86400	59180	59.6	58.7
	35 °F		213250	117520	47.2	45.9
	40 °F	0.57	190570	107190	50.5	49.1
3750	45 °F	4.08	168130	97850	53.5	52.2
	50 °F		142350	87970	56.7	55.4
	35 °F		242320	135350	50.2	48.7
3750	40 °F	0.77	223060	127040	52.3	50.8
	45 °F	5.11	191420	114380	55.6	54.1
	50 °F		161120	103180	58.4	57.1

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		151630	88950	42.2	41.2
	40 °F	0.38	133760	79700	46.1	44.9
	45 °F	3.06	111600	69630	50.4	49.1
3000	50 °F		59370	49650	58.9	57.9
	35 °F		186410	110040	44.9	43.6
	40 °F	0.57	162710	98570	48.6	47.2
3750	45 °F	4.08	108920	76330	55.7	54.3
	50 °F		75970	64520	59.4	58.3
	35 °F		214880	128190	47.3	45.8
3750	40 °F	0.79	185300	114870	50.8	49.2
	45 °F	5.11	128860	91990	56.5	55.1
	50 °F		124380	90400	56.9	55.5

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		134860	85150	41.0	40.1
	40 °F	0.38	115750	74950	45.3	44.0
	45 °F	3.06	67160	53850	54.2	53.0
3000	50 °F		163430	104290	43.9	42.7
	35 °F		117230	82480	50.9	49.4
	40 °F	0.58	85180	69560	55.0	53.6
3750	45 °F	4.08	61610	60860	57.7	56.4
	50 °F		191020	123120	45.8	44.3
	35 °F		162860	109670	49.2	47.6
3750	40 °F	0.79	101340	84290	55.6	54.1
	45 °F	5.11	75620	74840	58.0	56.6
	50 °F					

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		193760	106210	39.4	38.8
	40 °F	0.57	176190	96530	43.6	42.6
	45 °F	3.06	153700	85780	48.2	47.1
3000	50 °F		104650	66210	56.6	55.8
	35 °F		246600	134910	41.6	40.7
	40 °F	0.85	215990	119360	46.6	45.5
3750	45 °F	4.08	195270	110040	49.6	48.5
	50 °F		162810	96820	53.9	52.9
	35 °F		290140	158990	44.1	43.0
3750	40 °F	1.16	262280	145500	47.6	46.4
	45 °F	5.11	227650	130460	51.4	50.3
	50 °F		197490	118510	54.5	53.5

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
2250	35 °F		167130	98020	38.3	37.8
	40 °F	0.57	148450	87390	42.9	41.9
	45 °F	3.06	124960	75950	47.7	46.6
3000	50 °F		72860	55050	56.6	55.8
	35 °F		211160	123740	40.6	39.7
	40 °F	0.86	188260	111490	44.5	43.4
3750	45 °F	4.08	158220	97430	48.9	47.8
	50 °F		94060	72140	57.0	56.2
	35 °F		251600	147760	42.3	41.3
3750	40 °F	1.18	219860	131700	46.4	45.2
	45 °F	5.11	188560	117620	50.0	48.8
	50 °F		148890	101480	54.1	53.1

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
2250	35 °F		151380	95390	36.7	36.4
	40 °F	0.58	1285810	81860	42.4	41.4
	45 °F	3.06	1026920	69190	47.8	46.6
3000	50 °F		188720	118920	39.3	38.6
	35 °F		164310	105380	43.6	42.5
	40 °F	0.87	126580	87580	49.2	48.1
3750	45 °F	4.08	95900	74940	53.2	52.2
	50 °F		223480	141370	41.2	40.2
	35 °F		191900	124820	45.4	44.2
3750	40 °F	1.19	157590	109000	49.4	48.1
	45 °F	5.11	117660	92580	53.5	52.4
	50 °F					

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		194590	106670	39.2	38.6
	40 °F	0.75	176810	96860	43.5	42.4
	45 °F	3.06	156810	87240	47.6	46.5
3000	50 °F		130960	76270	52.6	51.3
	35 °F		252160	138000	40.6	39.8
	40 °F	1.13	223300	122950	45.4	44.4
3750	45 °F	4.08	201470	112900	48.7	47.6
	50 °F		173960	101400	52.4	51.4
	35 °F					
3750	40 °F	1.55	276030	152170	45.8	44.7
	45 °F	5.11	237830	135050	50.2	49.2
	50 °F		210130	123800	53.1	52.2

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
2250	35 °F		168900	99030	37.9	37.4
	40 °F	0.76	150750	88640	42.3	41.4
	45 °F	3.06	126000	76500	47.5	46.4
3000	50 °F		99870	65380	52.2	51.2
	35 °F		212280	124400	40.3	39.6
	40 °F	1.15	191600	113280	43.9	42.9
3750	45 °F	4.08	151370	94660	49.8	48.8
	50 °F		132860	87030	52.3	51.3
	35 °F		262310	153770	40.8	40.0
3750	40 °F	1.57	226190	135000	45.6	44.5
	45 °F	5.11	201490	123600	48.5	47.4
	50 °F		158860	105860	53.0	52.0

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
2250	35 °F		151170	95230	36.8	36.5
	40 °F	0.77	129040	82190	42.3	41.3
	45 °F	3.06	104170	69970	47.4	46.3
3000	50 °F		77170	58490	52.3	51.3
	35 °F		191120	120400	38.8	38.2
	40 °F	1.15	171880	109480	42.3	41.3
3750	45 °F	4.08	121530	85620	49.9	48.8
	50 °F		103070	78020	52.3	51.3
	35 °F		232690	146790	39.8	39.0
3750	40 °F	1.58	200490	129370	44.2	43.1
	45 °F	5.11	166690	113410	48.2	47.1
	50 °F		103250	87550	54.8	53.9

\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO LOW  
 \*\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO HIGH

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# 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	Wb °F
3000	35 °F		232080	127060	44.1	43.0
	40 °F	0.41	209010	115730	47.8	46.5
	45 °F	322	184230	104810	51.3	50.0
	50 °F		110500	77220	60.2	59.2
4000	35 °F		284900	156900	47.1	45.8
	40 °F	0.61	252830	142260	50.7	49.3
	45 °F	430	221470	129280	53.8	52.4
	50 °F		138400	99130	61.1	59.9
5000	35 °F		325770	181520	50.0	48.4
	40 °F	0.83	294060	167810	52.6	51.1
	45 °F	537	254320	151940	55.7	54.2
	50 °F		217210	138180	58.3	56.9

4 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
3000	35 °F		200780	117810	42.5	41.4
	40 °F	0.41	179050	106570	46.0	44.8
	45 °F	322	146300	91700	50.8	49.5
	50 °F		110410	77380	55.3	54.1
4000	35 °F		246420	145580	45.2	43.9
	40 °F	0.62	214760	130340	48.8	47.4
	45 °F	430	139220	99430	56.2	54.9
	50 °F		137840	98920	56.4	55.0
5000	35 °F		283050	169130	47.7	46.1
	40 °F	0.84	244750	151710	51.0	49.4
	45 °F	537	164330	119740	57.1	55.0
	50 °F		161620	118750	57.3	55.8

4 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
3000	35 °F		178140	112550	41.3	40.3
	40 °F	0.41	151980	98720	45.7	44.4
	45 °F	322	85920	70320	54.7	53.5
	50 °F		* SEE BELOW			
4000	35 °F		216420	138180	44.2	42.8
	40 °F	0.62	150280	107280	51.5	50.0
	45 °F	430	108840	90790	55.4	54.0
	50 °F		* SEE BELOW			
5000	35 °F		251750	162530	46.1	44.5
	40 °F	0.85	177640	128950	52.5	50.8
	45 °F	537	129500	110020	56.1	54.5
	50 °F		* SEE BELOW			

6 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
3000	35 °F		254960	139630	40.1	39.3
	40 °F	0.61	231860	127140	44.1	43.0
	45 °F	322	206800	114750	48.1	47.0
	50 °F		139620	88290	56.6	55.8
4000	35 °F		323810	177150	42.3	41.3
	40 °F	0.91	287890	159080	46.6	45.5
	45 °F	430	256380	144550	50.1	49.0
	50 °F		216670	128290	53.9	52.9
5000	35 °F		** SEE BELOW			
	40 °F	1.25	343440	191100	48.1	46.9
	45 °F	537	296740	171080	52.0	50.8
	50 °F		252880	153980	55.3	54.3

6 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
3000	35 °F		221570	129910	38.6	38.0
	40 °F	0.62	198870	117010	42.7	41.7
	45 °F	322	165670	100830	47.9	46.7
	50 °F		97650	73560	56.6	55.7
4000	35 °F		280190	164210	40.7	39.9
	40 °F	0.82	245970	146130	45.1	43.9
	45 °F	430	205880	127660	49.5	48.3
	50 °F		125640	96220	57.0	56.1
5000	35 °F		329190	193630	43.0	41.9
	40 °F	1.27	287710	172990	46.9	45.7
	45 °F	537	246210	154550	50.4	49.3
	50 °F		196870	134690	54.2	53.2

6 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
3000	35 °F		195360	123000	38.0	37.5
	40 °F	0.62	169960	108400	42.6	41.6
	45 °F	322	136730	92190	47.8	46.6
	50 °F		* SEE BELOW			
4000	35 °F		246080	155270	40.1	39.3
	40 °F	0.93	215870	138840	44.0	42.9
	45 °F	430	171920	118110	48.9	47.7
	50 °F		128200	100000	53.2	52.2
5000	35 °F		293070	185730	41.7	40.7
	40 °F	1.28	259160	167890	45.1	43.9
	45 °F	537	209250	144880	49.4	48.2
	50 °F		155980	123010	53.6	52.5

8 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
3000	35 °F		261570	143500	38.8	38.2
	40 °F	0.81	236880	130780	42.9	41.9
	45 °F	322	210090	116770	47.4	46.3
	50 °F		174010	101440	52.4	51.4
4000	35 °F		337250	184600	40.5	39.7
	40 °F	1.22	301040	165530	45.1	44.0
	45 °F	430	269580	150940	48.6	47.5
	50 °F		232620	135460	52.3	51.3
5000	35 °F		392880	215210	43.5	42.4
	40 °F	1.67	369410	203540	45.7	44.6
	45 °F	537	320260	181380	50.0	48.9
	50 °F		274960	163020	53.5	52.6

8 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
3000	35 °F		224740	131840	38.0	37.5
	40 °F	0.82	200700	118020	42.4	41.4
	45 °F	322	168010	102000	47.5	46.4
	50 °F		128220	85210	52.8	51.9
4000	35 °F		286650	167950	39.9	39.1
	40 °F	1.23	256730	151680	43.7	42.7
	45 °F	430	223540	135740	47.6	46.4
	50 °F		176280	115670	52.3	51.3
5000	35 °F		350600	205500	40.7	39.9
	40 °F	1.69	304130	181200	45.3	44.2
	45 °F	537	268150	164550	48.5	47.4
	50 °F		208670	139890	53.2	52.3

8 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
3000	35 °F		201850	127160	36.7	36.4
	40 °F	0.83	172330	109730	42.2	41.3
	45 °F	322	120490	85420	48.9	48.9
	50 °F		82670	70150	54.8	53.9
4000	35 °F		258840	161760	38.5	38.0
	40 °F	1.24	230310	146570	42.2	41.2
	45 °F	430	185280	124380	47.4	46.3
	50 °F		137920	104210	52.2	51.2
5000	35 °F		309370	195200	39.9	39.1
	40 °F	1.7	268700	173180	44.1	43.0
	45 °F	537	222700	151380	48.2	47.1
	50 °F		162850	126380	53.0	52.0

\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO LOW  
 \*\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO HIGH

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# 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	Wb °F
5000	35 °F		361270	198790	46.6	45.3
	40 °F	0.51	328110	183410	49.6	48.2
	45 °F	381	285440	165390	53.1	51.7
6000	35 °F		244030	149360	56.2	54.9
	40 °F		394080	219750	49.7	48.2
	45 °F	0.66	369190	208870	51.4	49.9
7000	35 °F		318080	188080	54.7	53.3
	40 °F	457	268770	169600	57.7	56.4
	45 °F				<b>** SEE BELOW</b>	
	50 °F		404100	231830	53.0	51.5
	45 °F	533	354980	212350	55.7	54.2
	50 °F		293600	189770	58.8	57.4

4 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
5000	35 °F		315610	186030	44.4	43.2
	40 °F	0.52	275920	166630	48.1	46.7
	45 °F	381	199440	131290	54.9	53.6
6000	35 °F		355030	210890	46.4	45.0
	40 °F	0.67	306670	188370	50.0	48.5
	45 °F	457	220320	153170	55.6	54.2
7000	35 °F		415420	229690	59.3	58.1
	40 °F	0.83	380230	228250	48.7	47.1
	45 °F	533	289090	190240	54.0	52.4
	50 °F		175320	148230	59.8	58.4

4 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
5000	35 °F		276420	176070	43.5	42.3
	40 °F	0.52	240310	157880	47.0	45.6
	45 °F	381	150290	119390	54.3	52.9
6000	35 °F		316170	202710	44.9	43.5
	40 °F	0.68	269390	179950	48.5	46.9
	45 °F	457	173350	139730	54.9	53.4
7000	35 °F		342550	225130	46.4	44.9
	40 °F	0.84	293410	199730	49.9	48.2
	45 °F	533	194780	159180	55.4	53.8
	50 °F		188800	156910	55.7	54.1

6 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
5000	35 °F		411840	225310	41.5	40.6
	40 °F	0.77	376380	208840	45.1	44.0
	45 °F	381	304220	174510	51.3	50.2
6000	35 °F		464580	254610	44.0	43.0
	40 °F	0.99	425140	235440	47.1	46.0
	45 °F	457	389360	219460	49.7	48.5
7000	35 °F		532890	192430	54.0	53.0
	40 °F	1.24	483180	268630	48.0	46.8
	45 °F	533	418340	240730	51.8	50.7
	50 °F		356530	216540	55.1	54.1

6 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
5000	35 °F		359200	210460	39.8	39.0
	40 °F	0.78	318750	188370	44.0	42.9
	45 °F	381	260120	160870	49.2	48.1
6000	35 °F		414920	243270	41.2	40.3
	40 °F	1.01	342260	206380	47.1	45.9
	45 °F	457	313020	193240	49.2	48.0
7000	35 °F		484510	273020	42.7	41.7
	40 °F	1.25	404380	242940	48.8	45.6
	45 °F	533	347550	217590	50.3	49.1
	50 °F		276410	188890	54.2	53.1

6 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
5000	35 °F		320050	201550	38.7	38.1
	40 °F	0.78	270760	174090	43.9	42.8
	45 °F	381	221010	150450	48.4	47.2
6000	35 °F		363680	229730	40.6	39.7
	40 °F	1.02	318450	205490	44.4	43.3
	45 °F	457	259120	177620	48.8	47.7
7000	35 °F		412200	261080	41.5	40.6
	40 °F	1.26	364890	236210	44.9	43.7
	45 °F	533	293630	203150	49.4	48.2
	50 °F		218990	172470	53.6	52.5

8 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
5000	35 °F		419940	229820	40.6	39.8
	40 °F	1.02	381460	209470	44.6	43.5
	45 °F	381	350650	194830	47.4	46.3
6000	35 °F		486670	268270	42.2	41.2
	40 °F	1.33	451740	248370	45.1	44.0
	45 °F	457	402270	225470	48.7	47.6
7000	35 °F		510150	281610	46.2	45.1
	40 °F	1.65	439670	250270	50.5	49.4
	45 °F	533	388980	229800	53.3	52.3
	50 °F				<b>** SEE BELOW</b>	

8 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
5000	35 °F		363940	213260	39.2	38.6
	40 °F	1.04	325440	191940	43.3	42.3
	45 °F	381	260820	170340	47.4	46.3
6000	35 °F		420700	246600	40.7	39.9
	40 °F	1.34	376970	223410	44.4	43.3
	45 °F	457	337600	204640	47.4	46.3
7000	35 °F		487890	268040	40.9	40.1
	40 °F	1.67	434140	257790	44.2	43.7
	45 °F	533	389240	227670	48.9	47.8
	50 °F		298080	198190	52.9	51.9

8 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
5000	35 °F		322090	202830	38.4	37.9
	40 °F	1.05	287580	183070	42.2	41.2
	45 °F	381	230670	155080	47.5	46.4
6000	35 °F		372820	235190	39.7	39.0
	40 °F	1.35	327890	210640	43.6	42.6
	45 °F	457	279230	187150	47.3	46.2
7000	35 °F		430820	271950	40.1	39.3
	40 °F	1.68	381590	245200	43.7	42.6
	45 °F	533	317350	214440	47.9	46.7
	50 °F		192310	163230	54.8	53.9

\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO LOW  
 \*\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO HIGH

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# 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	Wb °F
7000	35 °F		489790	270555	47.7	46.4
	40 °F	0.55	450150	252560	50.2	48.8
	45 °F	400	390090	227530	53.6	52.3
8000	35 °F		338560	207730	56.4	55.1
	40 °F	0.66	489520	277340	51.5	50.1
	45 °F	457	419940	249160	54.9	53.5
9000	35 °F		357520	225840	57.8	56.4
	40 °F	0.78	519550	298310	53.0	51.5
	45 °F	514	461330	275200	55.5	54.0
	50 °F		381810	245830	58.6	57.2

4 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Wb °F
7000	35 °F		428300	253400	45.4	44.1
	40 °F	0.56	376020	228430	48.8	47.4
	45 °F	400	321950	205030	52.0	50.6
8000	35 °F		467190	278150	46.8	45.3
	40 °F	0.67	416440	254440	49.6	48.1
	45 °F	457	297790	205750	55.4	54.0
9000	35 °F		493670	297180	48.4	46.9
	40 °F	0.79	447390	276330	50.6	49.1
	45 °F	514	375970	246570	53.8	52.2
	50 °F		230600	192700	59.5	58.2

4 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Wb °F
7000	35 °F		384370	244990	43.7	42.5
	40 °F	0.56	329290	217470	47.5	46.0
	45 °F	400	211480	167320	54.3	52.9
8000	35 °F		419430	269170	45.0	43.6
	40 °F	0.68	356990	238930	48.6	47.0
	45 °F	457	234530	187620	54.7	53.2
9000	35 °F		450270	291350	46.2	44.7
	40 °F	0.8	380790	258630	49.7	48.0
	45 °F	514	256330	207240	55.1	53.5
	50 °F		182290	179820	58.0	56.5

6 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Wb °F
7000	35 °F		579290	316950	41.3	40.4
	40 °F	0.82	519610	285980	45.6	44.5
	45 °F	400	459720	258550	49.4	48.2
8000	35 °F		380670	226230	53.8	52.8
	40 °F	0.99	641190	350840	42.7	41.7
	45 °F	457	511730	289430	50.1	48.9
9000	35 °F		429210	256070	54.1	53.1
	40 °F	1.17	697300	382070	44.0	43.0
	45 °F	514	629970	349430	47.5	46.3
	50 °F		547600	313590	51.4	50.2
	50 °F		473590	284250	54.5	53.5

6 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Wb °F
7000	35 °F		497510	291500	40.2	39.4
	40 °F	0.83	443430	262250	44.2	43.1
	45 °F	400	368340	226990	49.0	47.8
8000	35 °F		554960	325330	41.1	40.2
	40 °F	1.01	497400	294890	44.8	43.6
	45 °F	457	415860	257000	49.3	48.1
9000	35 °F		604740	355110	42.3	41.3
	40 °F	1.19	528340	316390	46.4	45.2
	45 °F	514	453190	282550	50.0	48.8
	50 °F		356640	243450	54.1	53.1

6 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Wb °F
7000	35 °F		446620	281280	38.8	38.2
	40 °F	0.84	382750	245580	43.6	43.6
	45 °F	400	292080	202960	49.4	48.3
8000	35 °F		486580	307270	40.5	39.6
	40 °F	1.02	425670	274530	44.4	43.2
	45 °F	457	343190	235820	49.0	47.8
9000	35 °F		554670	340110	41.1	40.2
	40 °F	1.20	461330	298920	45.3	44.1
	45 °F	514	378150	261560	49.4	48.2
	50 °F		282260	222130	53.5	52.4

8 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Wb °F
7000	35 °F		589270	321380	40.7	39.9
	40 °F	1.10	532060	292260	44.7	43.6
	45 °F	400	487580	271240	47.6	46.5
8000	35 °F		661000	361620	41.4	40.5
	40 °F	1.33	590260	325320	45.8	44.7
	45 °F	457	532450	298920	48.9	47.8
9000	35 °F		712300	390030	43.2	42.2
	40 °F	1.57	664520	360800	45.7	44.6
	45 °F	514	578140	327220	49.9	48.8
	50 °F		498970	295000	53.4	52.4

8 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Wb °F
7000	35 °F		518450	303960	38.5	37.9
	40 °F	1.11	452980	267350	43.5	42.5
	45 °F	400	392440	238130	47.5	46.4
8000	35 °F		576650	337870	39.6	38.9
	40 °F	1.34	506730	299830	44.2	43.1
	45 °F	457	447870	271820	47.5	46.4
9000	35 °F		633140	371080	40.6	39.8
	40 °F	1.59	550720	327790	45.2	44.1
	45 °F	514	457950	285480	49.7	48.6
	50 °F		377260	252500	53.2	52.2

8 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp. DB °F	Wb °F
7000	35 °F		452550	284970	38.3	37.8
	40 °F	1.12	400660	255250	42.3	41.4
	45 °F	400	323140	217190	47.5	46.4
8000	35 °F		501510	316180	39.4	38.7
	40 °F	1.35	445660	285220	43.1	42.1
	45 °F	457	371860	249320	47.4	46.2
9000	35 °F		561340	354000	39.6	38.9
	40 °F	1.60	490990	315470	43.7	42.6
	45 °F	514	396260	270480	48.4	47.3
	50 °F		291810	227000	53.0	52.0

\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO LOW  
 \*\* NOT RECOMMENDED - REFRIGERANT PRESSURE DROP TO HIGH

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**HOT WATER HEATING CAPACITY**

**HOT WATER 20°F WATER TEMPERATURE DROP 180°F EWT/160° LWT**

**24-HWH-2 ROW Hot Water Heating**

**24-HWH-1 ROW Hot Water Heating**

CFM	50.0°F EDB				60.0°F EDB				CFM	50.0°F EDB				60.0°F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB		GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
600	4.3	6.4	41.6	113.9	3.9	5.4	37.9	118.3	600	2.3	1.6	22.5	84.6	2.1	1.3	20.4	91.4
800	5.2	9.1	50.6	108.3	4.7	7.7	46.1	113.1	800	2.7	2.2	26.7	80.7	2.5	1.9	24.2	87.9
1000	6.0	11.9	58.5	103.9	5.5	10.0	53.3	109.1	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°F EDB				60.0°F EDB				CFM	50.0°F EDB				60.0°F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB		GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
900	6.1	6.2	59.9	111.4	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	105.7	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	101.3	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°F EDB				60.0°F EDB				CFM	50.0°F EDB				60.0°F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB		GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
1400	10.3	12.3	100.3	116.1	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	113.3	10.3	12.2	100.0	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	110.8	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°F EDB				60.0°F EDB				CFM	50.0°F EDB				60.0°F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB		GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
1800	12.8	6.7	125.0	114.1	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	111.9	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	109.9	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°F EDB				60.0°F EDB				CFM	50.0°F EDB				60.0°F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB		GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
2500	20.4	7.1	199.0	123.4	18.6	5.9	181.2	126.8	3000	24.9	9.0	242.9	124.7	22.7	7.5	221.2	128.0
3000	23.0	8.9	223.9	118.8	20.9	7.4	203.9	122.7	4000	30.0	13.0	292.6	117.5	27.3	10.8	266.4	121.4
3500	25.3	10.7	246.3	114.9	23.0	8.9	224.3	119.1	5000	34.4	16.9	335.0	111.8	31.3	14.0	304.9	116.2

**180-HWH-2 ROW Hot Water Heating**

**240-HWH-2 ROW Hot Water Heating**

CFM	50.0°F EDB				60.0°F EDB				CFM	50.0°F EDB				60.0°F EDB			
	GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB		GPM	WPD	TMBH	LDB	GPM	WPD	TMBH	LDB
5000	39.7	11.6	387.6	121.5	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	116.8	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	112.9	44.6	14.5	435.0	117.3	9000	63.7	9.3	621.1	113.6	58.0	7.8	565.9	118.0

NOTE: LEAVING AIR SHOULD NOT EXCEED 130 DEG. F. DB

All Technical Specifications Subject to Change Without Notice.

For more information contact Customer Service

Phone (817) 624.0820 Fax (817) 624.8581



INTERNAL STATIC PRESSURES CHILLED WATER COIL & HOT WATER COIL

SIZE	CFM	COIL FV	2" TA	TOTAL OF 10 ROWS MAXIMUM					Total
				1 ROW	2 ROW	4 ROW	6 ROW	8 ROW	
			ISP	ISP	ISP	ISP	ISP	ISP	ISP
24	600	279	0.07	0.02	0.05	0.20	0.30	0.40	
	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	0.10	0.39	0.58	0.78	
	1000	465	0.12	0.06	0.12	0.46	0.70	0.93	
36	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	0.10	0.41	0.61	0.81	
	1350	482	0.16	0.07	0.13	0.49	0.74	0.99	
	1500	536	0.18	0.09	0.15	0.59	0.88	1.17	
48	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	0.10	0.41	0.62	0.82	
	2000	480	0.15	0.11	0.12	0.49	0.73	0.98	
60	1500	309	0.11	0.05	0.10	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	0.90	
	2250	463	0.17	0.10	0.20	0.55	0.83	1.10	
	2500	514	0.19	0.12	0.24	0.66	0.99	1.32	
90	2250	306	0.15	N/A	0.11	0.40	0.60	0.80	
	2625	357	0.18		0.14	0.50	0.75	1.00	
	3000	409	0.20		0.17	0.60	0.91	1.21	
	3375	460	0.23		0.21	0.71	1.07	1.43	
	3750	511	0.26		0.25	0.83	1.24	1.65	
120	3000	323	0.20		0.12	0.43	0.65	0.86	
	3500	376	0.24		0.15	0.54	0.81	1.07	
	4000	430	0.27		0.19	0.65	0.97	1.30	
	4500	483	0.31		0.23	0.77	1.15	1.53	
	5000	538	0.34		0.28	0.89	1.33	1.78	
180	5000	381	0.13		0.15	0.55	0.82	1.09	
	5500	419	0.15		0.18	0.63	0.94	1.25	
	6000	457	1.16		0.21	0.71	1.06	1.41	
	6500	495	0.17		0.24	0.79	1.19	1.58	
	7000	533	0.19		0.27	0.88	1.32	1.76	
240	7000	400	0.19	0.17	0.59	0.88	1.17		
	7500	429	0.20	0.19	0.65	0.97	1.29		
	8000	457	0.21	0.21	0.71	1.06	1.41		
	8500	485	0.23	0.23	0.77	1.16	1.54		
	9000	514	0.24	0.26	0.84	1.25	1.67		

**Internal Static Calculation**

Select a unit and approximate CFM from the two left columns.

Select total number of rows and filter.

Add filter to coil static pressure to obtain total ISP (internal static pressure).

Add total internal static pressure to external static pressure for system TSP (total static pressure).

HW/HX-060106-18



**INTERNAL STATIC PRESSURES DX COIL & HOT WATER COIL**

SIZE	CFM	COIL FV	2" TA ISP	TOTAL OF 10 ROWS MAXIMUM					TOTAL ISP
				1 ROW ISP	2 ROW ISP	4 ROW ISP	6 ROW ISP	8 ROW ISP	
24	600	279	0.07	0.02	0.05	0.19	0.28	0.37	
	800	372	0.09	0.04	0.08	0.30	0.45	0.60	
	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	0.10	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		0.11	0.38	0.57	0.75	
	3000	409	0.20		0.17	0.57	0.85	1.13	
	3750	511	0.26		0.25	0.77	1.16	1.55	
120	3000	323	0.20		0.12	0.41	0.61	0.81	
	4000	430	0.27		0.19	0.61	0.81	1.22	
	5000	538	0.34		0.28	0.83	1.25	1.67	
180	5000	381	0.13		0.15	0.51	0.77	1.02	
	6000	457	0.16		0.21	0.66	0.99	1.33	
	7000	533	0.19		0.27	0.82	1.24	1.65	
240	7000	400	0.19		0.17	0.55	0.82	1.10	
	8000	457	0.21		0.21	0.66	0.99	1.33	
	9000	514	0.24		0.26	0.78	1.17	1.57	

**Internal Static Calculation**

**Select a unit and approximate CFM from the two left columns.**

**Select total number of rows and filter.**

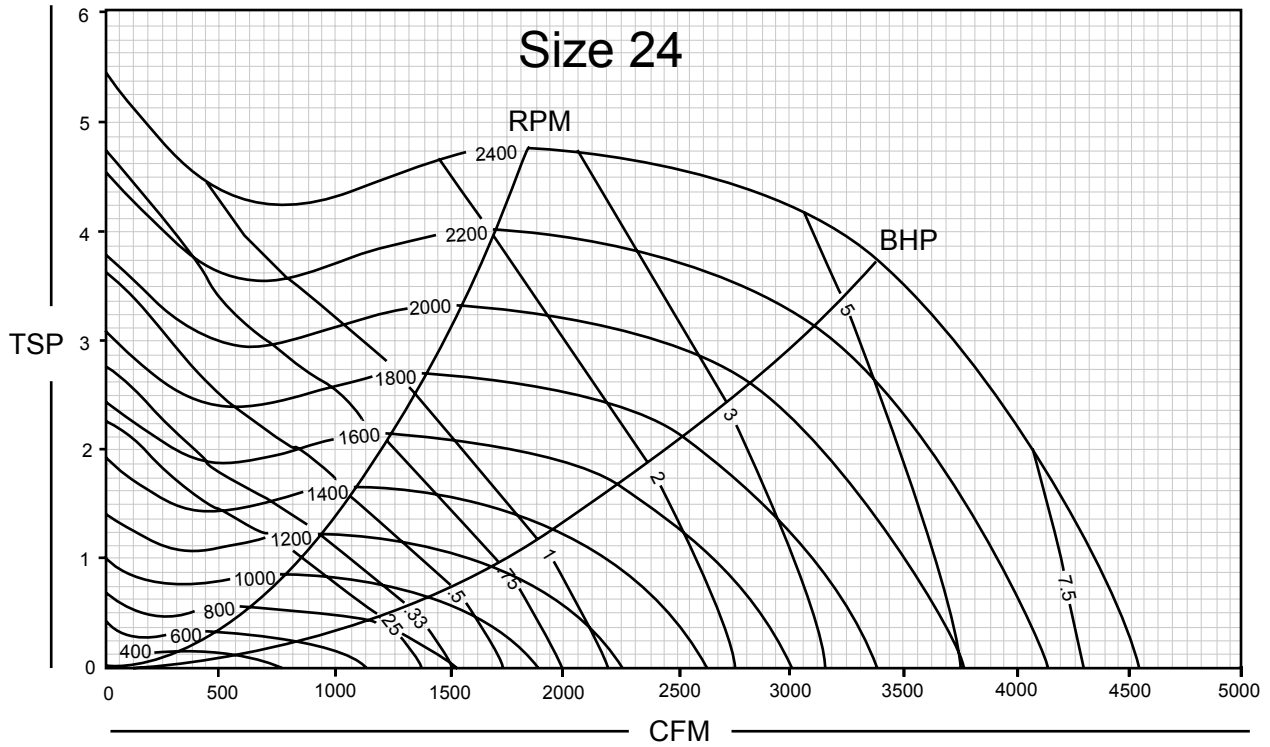
**Add filter to coil static pressure to obtain total ISP (internal static pressure).**

**Add total internal static pressure to external static pressure to obtain TSP (total static pressure).**

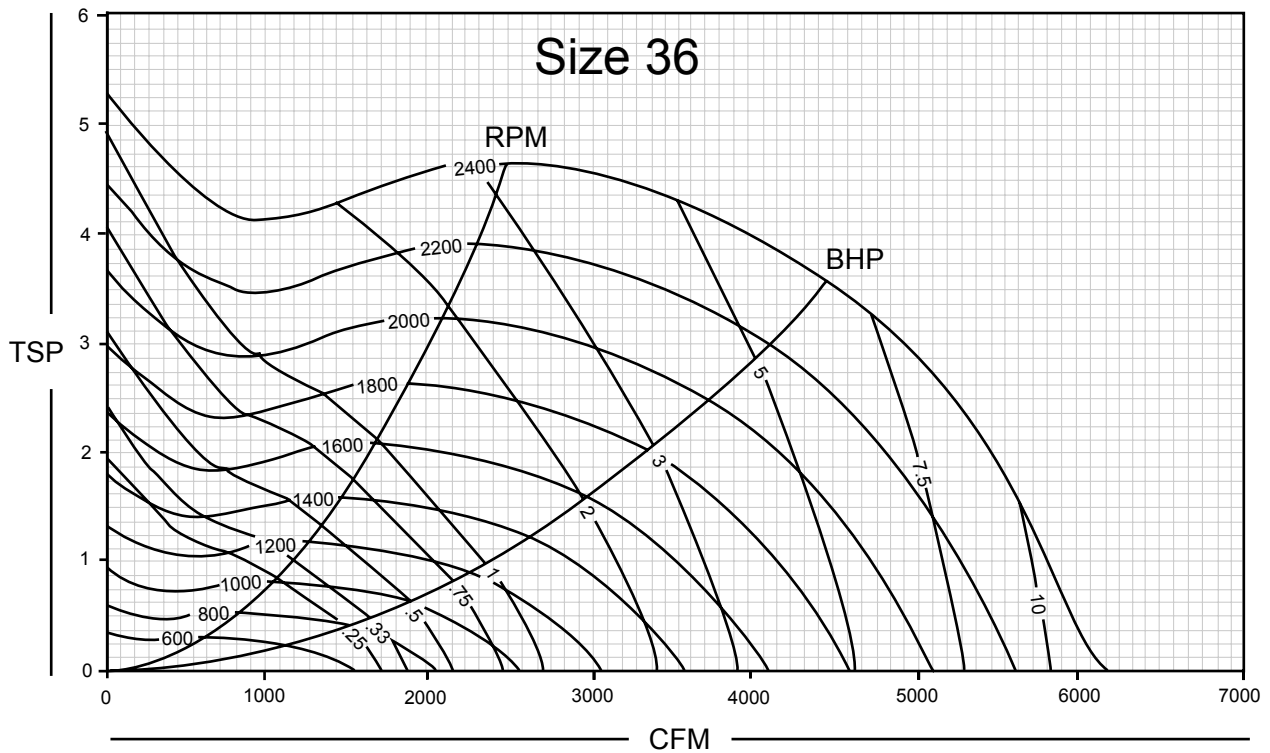
All Technical Specifications Subject to Change Without Notice.

**For more information contact Customer Service**

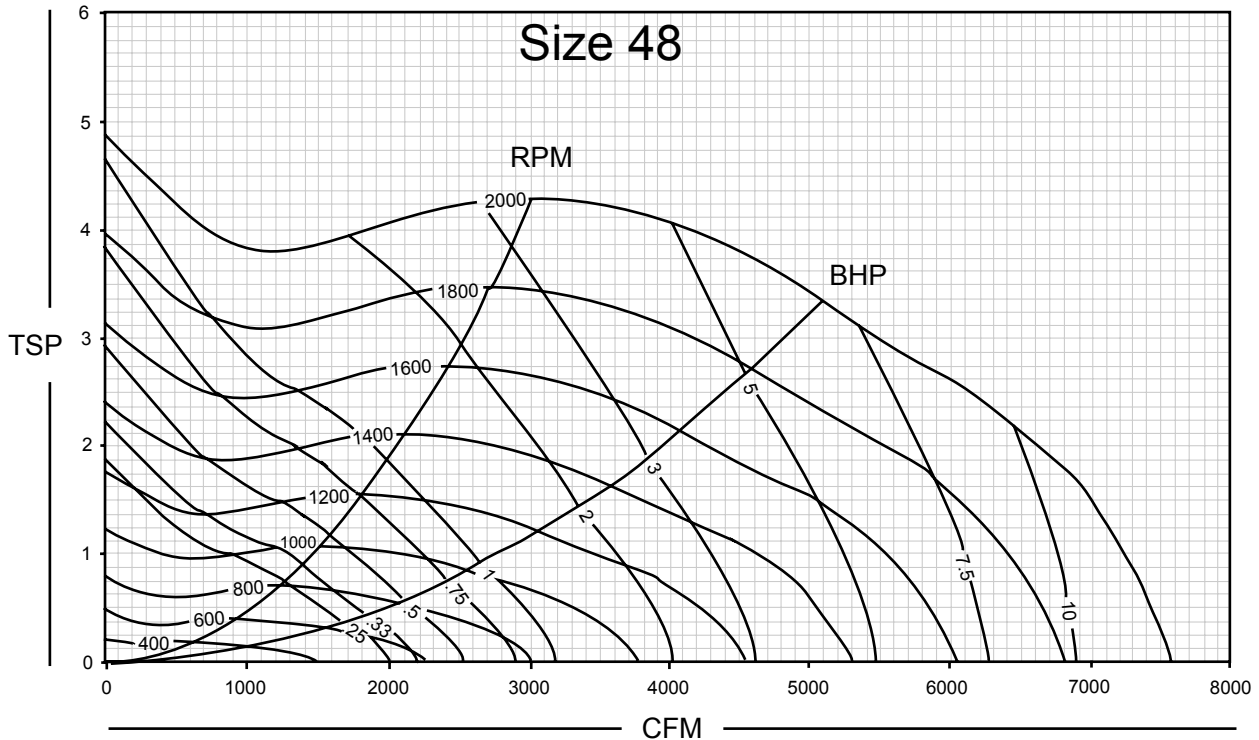
Phone (817) 624.0820 Fax (817) 624.8581  
www.commercialaire.com



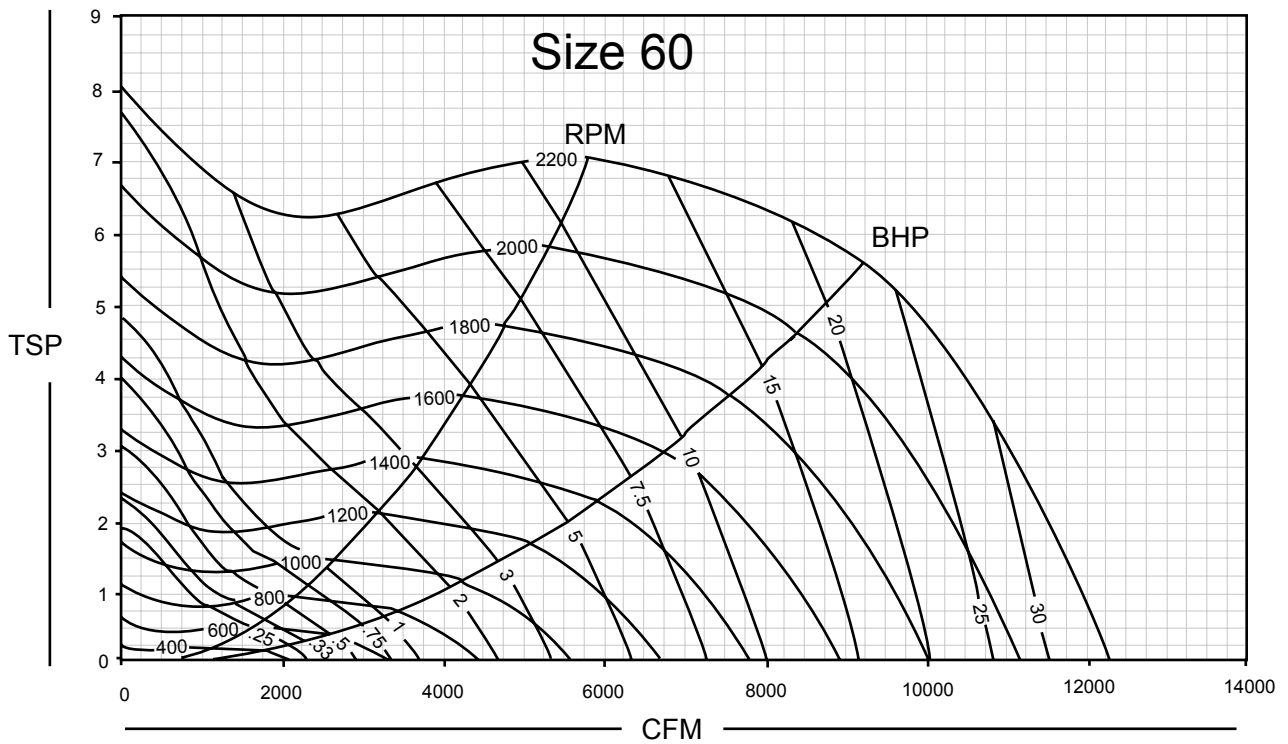
<b>SIZE 24 PERFORMANCE GUIDELINES</b>			
<b>MIN. CFM</b>	<b>MAX. CFM</b>	<b>MAX. RPM</b>	<b>MAX. HP</b>
<b>600</b>	<b>1000</b>	<b>1400</b>	<b>0.5</b>



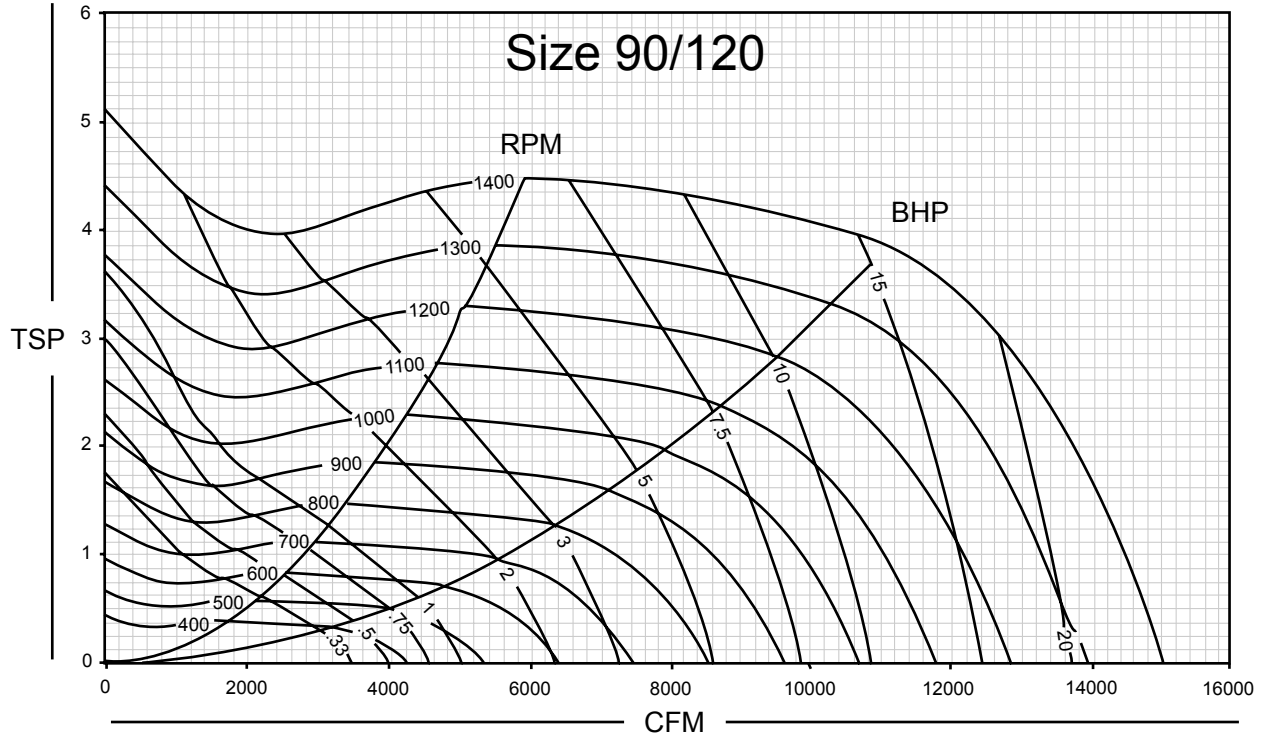
<b>SIZE 36 PERFORMANCE GUIDELINES</b>			
<b>MIN. CFM</b>	<b>MAX. CFM</b>	<b>MAX. RPM</b>	<b>MAX. HP</b>
<b>900</b>	<b>1500</b>	<b>1325</b>	<b>0.5</b>



SIZE 48 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
1200	2000	1600	1.5

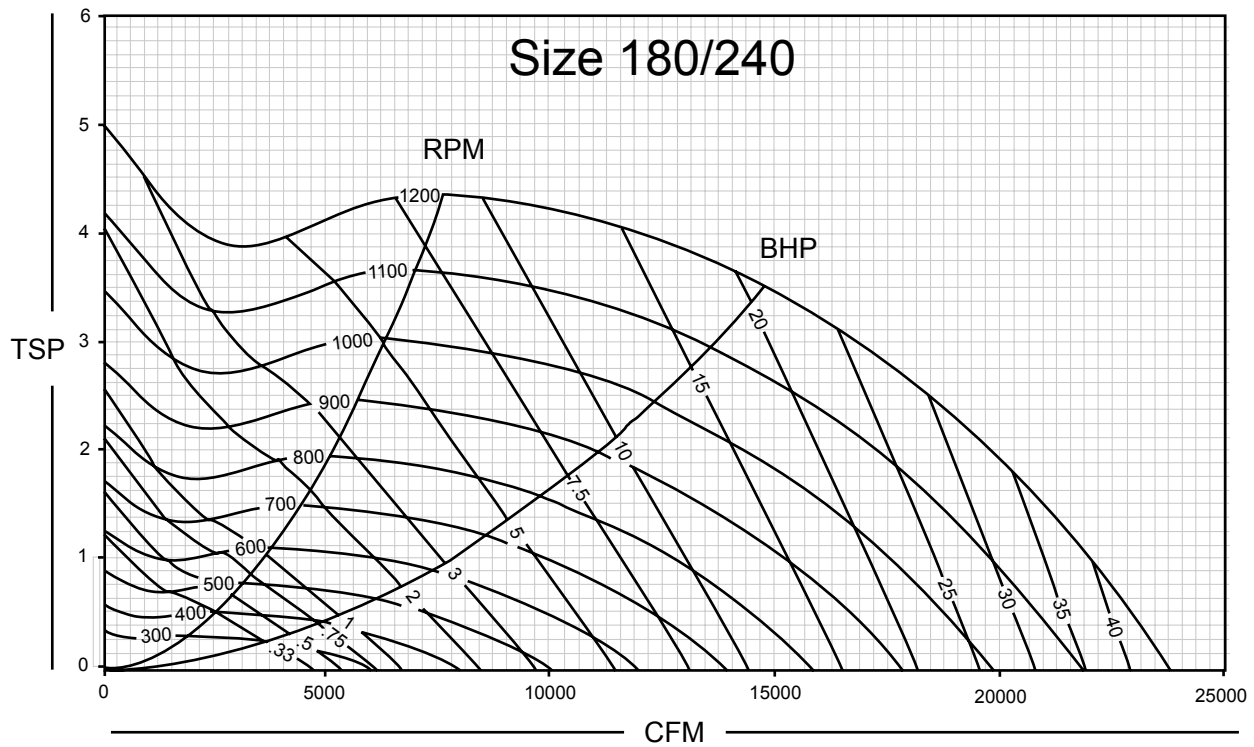


SIZE 60 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
1500	2500	1200	1.5



SIZE 90 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
2250	3750	1300	3.0

SIZE 120 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
3000	5000	1300	5.0



SIZE 180 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
5000	7000	1100	7.5

SIZE 240 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
7000	9000	1100	10.0



