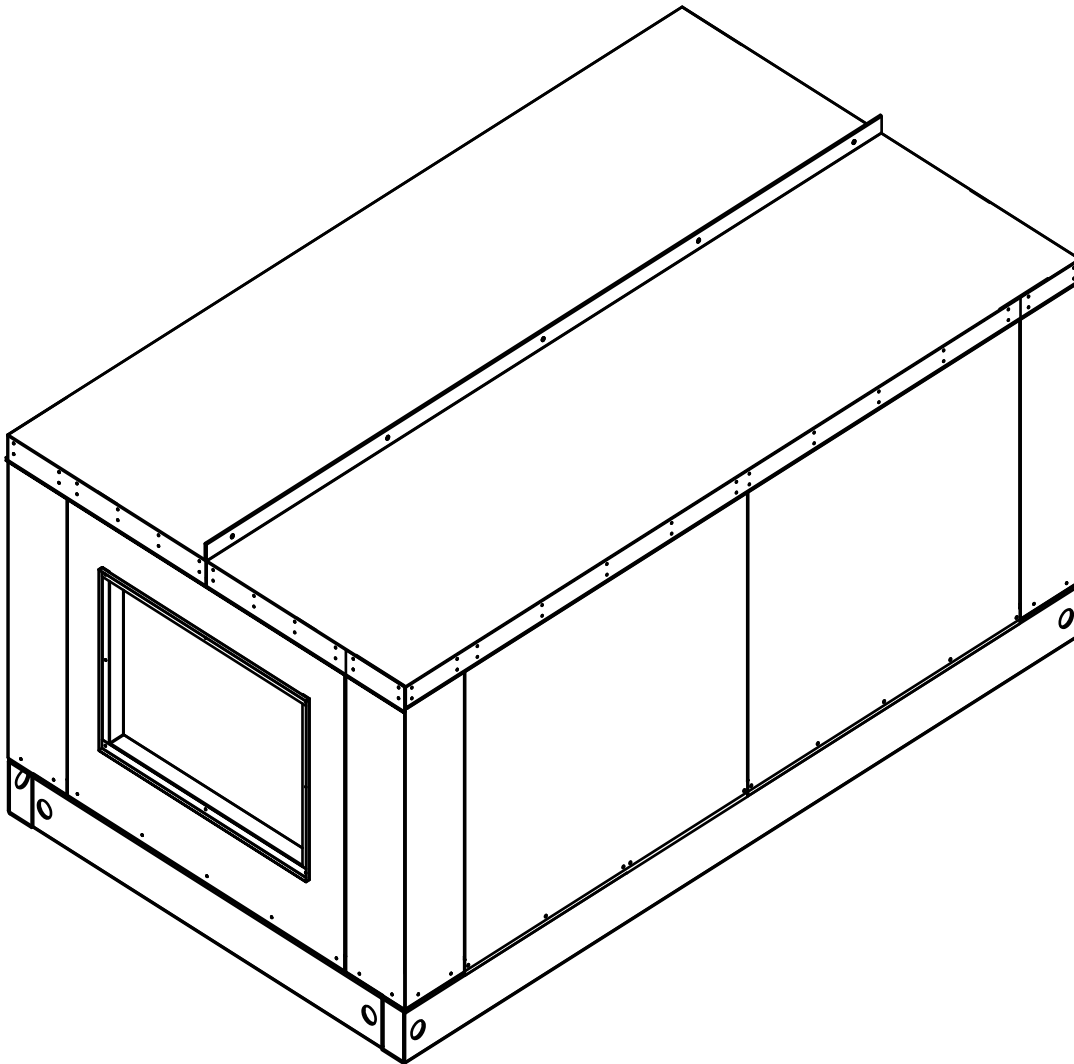


## ROOF TOP DOUBLE WALL BELT DRIVE AIR HANDLER

DX OR CHILLED WATER COOLING  
HOT WATER OR ELECTRIC HEATING



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

EFFECTIVE 06/01/06

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

### STANDARD FEATURES

#### CONSTRUCTION

- \* Double wall post and panel construction from heavy gauge galvanized steel.
- \* 2" Insulation sandwiched between double wall galvanized panels
- \* 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 base rails provided for unit rigging.
- \* All cabinet parts are assembled with stainless steel hardware.

#### 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 a flexible rubber isolators.
- \* A discharge duct flange is provided.

#### FILTER SECTION

- \* 2" TA flat filters are standard.

#### COIL SECTION

- \* 3/8" O.D. seamless copper tube on sizes 24 and 36.
- \* 1/2" O.D. seamless copper tube on sizes 48 and 60.
- \* 5/8" O.D. seamless copper tube on sizes 90 and 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 through a separate drain pan access panel. 3 rows on 180/240.

#### 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, aluminum, e-coated, or Anti-microbial coating.
- \* Stainless steel integral overflow pan.
- \* Powder coated cabinet.
- \* Cabinet corrosion protected by E-DuraCoat a Epoxy-convection cured coating.
- \* Pre-painted steel cabinet.

#### FILTER SECTION

- \* Filter section accepts 2" or 4" flat filters.
- \* 2" pleated (30%), 4" pleated (65%)

#### ELECTRIC HEAT SECTION

- \* Factory mounted preheat or reheat configurations.
- \* Single point power connection.
- \* Custom staging and controls.
- \* Available voltages: Single phase (115v, 230v, 277v)

#### 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.
- \* Standard steam coils.
- \* Optional tube diameters.
- \* Optional copper fin.
- \* Optional stainless steel end plates.
- \* E-DuraCoat coated coils.
- \* Face split, row split, intertwined circuiting available.
- \* Face and bypass dampers.
- \* Automatic air vents.

#### MOTOR OPTIONS

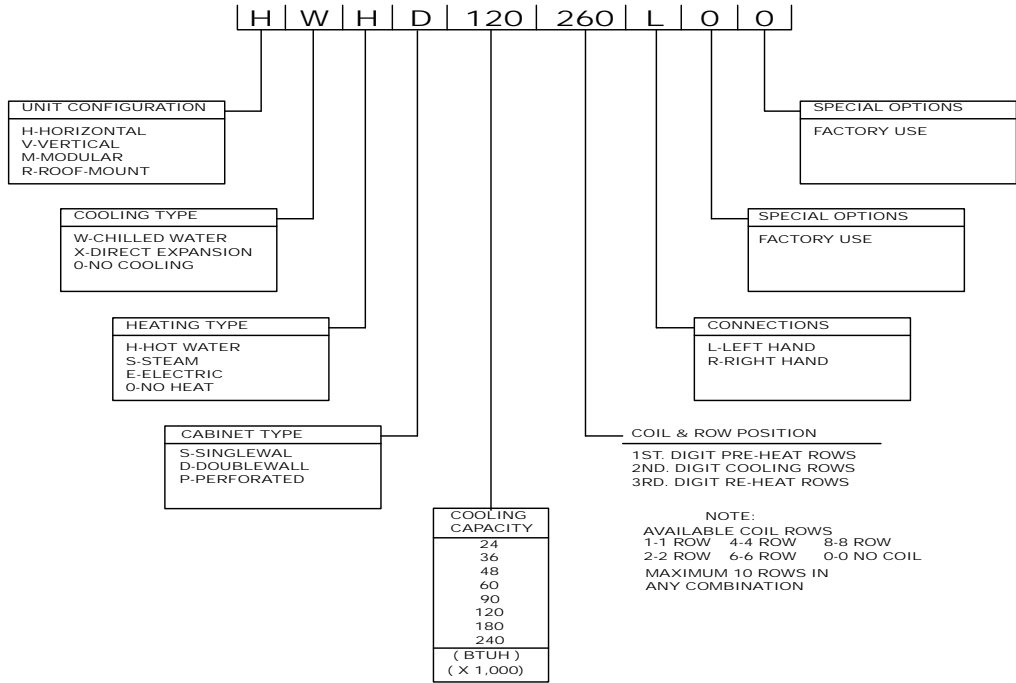
- \* TEFC
- \* High efficient.
- \* 2-speed 2-winding.
- \* Factory mounted VFD

#### OTHER OPTIONS & ACCESSORIES

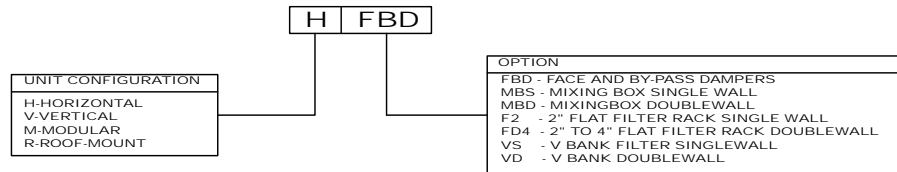
- \* Full perimeter roof curb, flat or sloped.
- \* Economizer single or dual enthalpy sensors or dry bulb sensor.
- \* Barometric relief dampers (50%)
- \* Power exhaust (100%)
- Energy recovery enthalpy wheel

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Phone (817)624.0820 Fax (817)624.8581

## BELT DRIVE UNIT NOMECLATURE



## 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		5/8	N/A	N/A	90-H	22.5 X 47	7.34	2		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			1-3/8	1-5/8	5/8	
			8			7/8	3/8										
36-H	13 X 31	2.8	1		5/8	N/A	N/A	120-H	28.5 X 47	9.3	2		7/8	N/A	N/A		
			2			N/A	N/A				4			1-1/8	1-5/8	5/8	
			4			7/8	3/8				6			1-3/8	1-5/8	5/8	
			6			7/8	3/8				8			10	1-5/8	1-5/8	5/8
			8			10	1-1/8				3/8						
48-H	15 X 40	4.17	1		5/8	N/A	N/A	180-H	31.5 X 60	13.13	2		1-1/8	1-3/8	1-5/8	5/8	
			2			N/A	N/A				4			1-3/8	1-5/8	5/8	
			4			7/8	1/2				6			1-5/8	2-1/8	5/8	
			6			1-1/8	1/2				8			2-1/8	2-1/8	5/8	
			8			1-1/8	1-3/8				1/2						
60-H	17.5 X 40	4.86	1		5/8	N/A	N/A	240-H	42 X 60	17.5	2		1-3/8	N/A	N/A		
			2			N/A	N/A				4			1-5/8	2-1/8	5/8	
			4			7/8	1/2				6			2-1/8	2-1/8	5/8	
			6			1-1/8	1/2				8			2-1/8	2-1/8	5/8	
			8			1-1/8	1-3/8				1/2						

CONTACT THE FACTORY FOR ADDITIONAL COIL INFORMATION

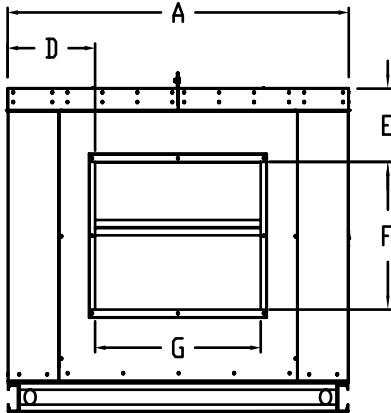
All Technical Specifications Subject to Change Without Notice.

**For more information contact Customer Service**

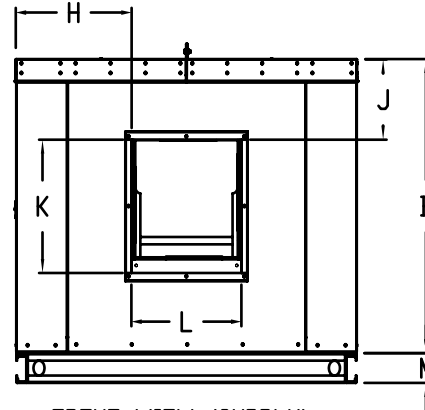
Phone (817)624.0820 Fax (817)624.8581

## ROOFTOP BELT DRIVE

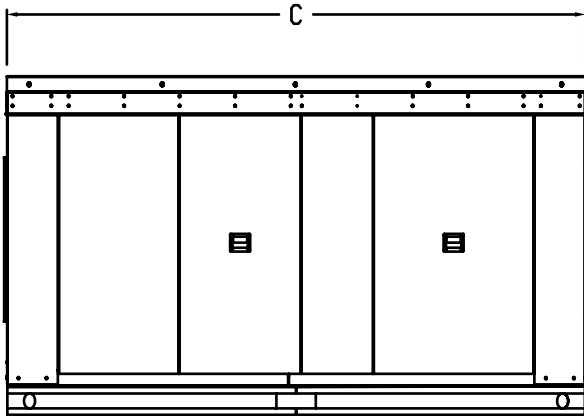
### SIZE 24 THROUGH 120



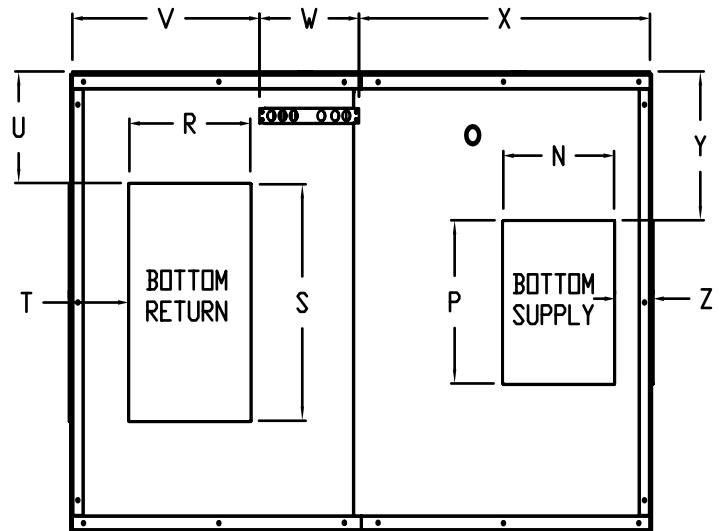
REAR VIEW (RETURN)



FRONT VIEW (SUPPLY)



SIDE VIEW



BOTTOM VIEW

ROOFTOP DIMENSIONS												
UNIT	A	B	C	D	E	F	G	H	J	K	L	M
90	61.50	39.50	104.25	15.75	10.00	19.75	29.90	20.90	10.90	16.00	19.75	4.00
120	61.50	39.50	104.25	15.75	10.00	19.75	29.90	20.90	10.90	16.00	19.75	4.00
UNIT	N	P	R	S	T	U	V	W	X	Y	Z	
90	20.00	21.9	22.0	32.0	10.3	15.0	32.0	19.5	52.8	20.0	6.8	
120	20.00	21.9	22.0	32.0	10.3	15.0	32.0	19.5	52.8	20.0	6.8	

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

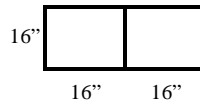
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## ROOFTOP FILTER ARRANGEMENTS

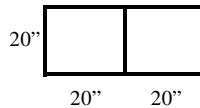
**Note: Standard filter rack (HF2) only accepts 2" TA or Pleated filters. Double wall filter rack (HFD4) accepts 2" or 4" TA or pleated filters.**

FILTER SIZE	UNIT MODEL				FILTER QUANTITY								
	14"	X	20"	X	24	36	48	60	90	120	180	240	
	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				
	<b>FILTER TOTAL</b>					2	2	2	2	6	6	10	10

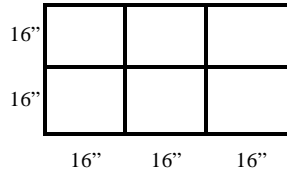
24/36  
**2-16"X16"X2/4**



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



90/120  
**6-16"X16"X2/4**



180/240  
**5-14"X20"X2/4**  
**5-14"X25"X2/4**

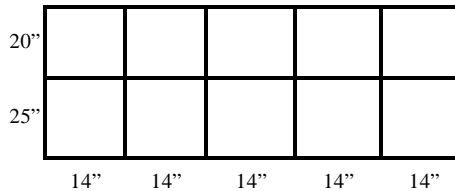


CHART ABOVE SHOWS SPECIFIC FILTER ARRANGEMENTS

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

All Technical Specifications Subject to Change Without Notice.

**For more information contact Customer Service**

Phone (817)624.0820 Fax (817)624.8581

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

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

CFM	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					
	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 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					
	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 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					
	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**

CFM	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					
	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 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					
	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 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					
	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 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					
	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 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					
	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 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					
	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	51.8	51.8	12.3	5.5	61.4	45.7	51.6	51.3

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**For more information contact Customer Service**

Phone (817)624.0820 Fax (817)624.8581

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

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

CFM	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					
	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**

CFM	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					
	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 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					
	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 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					
	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 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					
	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 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					
	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**

CFM	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					
	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 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					
	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 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					
	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

All Technical Specifications Subject to Change Without Notice.

**For more information contact Customer Service**

Phone (817)624.0820 Fax (817)624.8581



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

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

CFM	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					
	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 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					
	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**

CFM	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					
	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 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					
	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	207	59.0	58.1	38.5	4.5	192.8	176.7	56.9	55

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

CFM	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					
	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 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					
	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

All Technical Specifications Subject to Change Without Notice.

**For more information contact Customer Service**

Phone (817)624.0820 Fax (817)624.8581



**COMMERCIAL**  
**AIRE PRODUCTS™**

# Cooling Capacity RX\*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
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
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
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
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
800	35 °F		34560	22400	50.4	47.7
	40 °F	0.30	30160	20330	52.8	49.9
	45 °F	372	25910	20940	52.1	50.3
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		18980	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
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
1000	35 °F		37270	22870	57.4	55.7
	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	29510	18310	50.8	49.3
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
1000	35 °F		28380	19780	56.4	54.6
	40 °F	0.65	54610	32590	48.8	47.0
	45 °F	465	47270	29240	52.0	50.1
	50 °F		32680	23400	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
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
1000	35 °F		21570	17750	55.9	54.1
	40 °F	0.66	48460	31260	47.3	45.4
	45 °F	465	41580	27980	50.4	48.3
	50 °F		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	40550	22610	48.6	47.4
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
1000	35 °F		41830	25030	54.8	53.6
	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
800	35 °F		53450	31360	42.5	41.5
	40 °F	0.60	46560	27920	46.7	45.4
	45 °F	372	41060	25310	49.8	48.4
1000	35 °F		32190	21650	54.1	52.8
	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		38570	24280	38.5	37.9
	40 °F	0.38	33490	21360	43.1	42.0
	45 °F	279	27210	18290	48.0	46.7
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
1000	35 °F		24800	19440	53.9	52.6
	40 °F	0.88	55130	35080	43.6	42.4
	45 °F	465	47420	21200	47.3	45.8
	50 °F		40130	27890	50.5	48.9
	50 °F		28960	23340	54.8	53.4

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RXRW1009-9



# Cooling Capacity RX\*D-36

4 Row DX Coil										
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	DB °F	Wb °F	Total Capacity	Sensible Capacity	APD FV
			Capacity	Capacity						
900	35 °F	0.24	322	54500	30170	52.6	50.3	48510	271520	0.24
	40 °F			48510	25140	55.5	53.0			
	45 °F			42650	21540	58.0	55.5			
	50 °F			35430	22430	60.9	58.3			
1200	35 °F	0.38	429	56760	32930	58.5	55.5	49180	30000	0.38
	40 °F			49180	30000	60.9	57.8			
	45 °F			41640	27270	63.1	59.9			
	50 °F			35380	34040	63.1	59.5			
1500	35 °F	0.54	536	63080	37480	60.9	57.4	45310	31050	0.54
	40 °F			45310	31050	65.0	61.4			
	45 °F									
	50 °F									

4 Row DX Coil										
CFM	Suction Temp.	APD FV	80 °F EDB / 67 °F EWB		Leaving Air Temp.	DB °F	Wb °F	Total Capacity	Sensible Capacity	APD FV
			Capacity	Capacity						
900	35 °F	0.24	322	46500	27690	50.6	48.2	41180	28210	0.24
	40 °F			41180	25240	53.2	50.7			
	45 °F			34890	22540	56.0	53.4			
	50 °F			28830	19430	59.4	56.7			
1200	35 °F	0.38	429	54680	33080	53.6	50.7	41320	27410	0.38
	40 °F			41320	27410	58.2	55.0			
	45 °F			31530	23710	61.1	57.9			
	50 °F			25950	20860	64.2	58.8			
1500	35 °F	0.55	536	59580	36980	56.4	53.6	44750	30960	0.55
	40 °F			53530	34420	58.1	54.6			
	45 °F			44750	30960	60.3	56.7			
	50 °F			35500	27560	62.4	58.8			

4 Row DX Coil										
CFM	Suction Temp.	APD FV	77 °F EDB / 64 °F EWB		Leaving Air Temp.	DB °F	Wb °F	Total Capacity	Sensible Capacity	APD FV
			Capacity	Capacity						
900	35 °F	0.24	322	41410	26620	48.9	46.5	36080	24030	0.24
	40 °F			36080	24030	51.6	49.0			
	45 °F			28720	20820	55.0	52.2			
	50 °F									
1200	35 °F	0.39	429	48400	31710	51.9	48.9	41380	28500	0.39
	40 °F			41380	28500	54.4	51.2			
	45 °F			33940	25370	56.9	53.6			
	50 °F			23760	21460	60.0	56.7			
1500	35 °F	0.56	536	53920	36050	54.1	50.6	38270	29400	0.56
	40 °F			45740	32450	56.4	52.8			
	45 °F			38270	29400	58.4	54.6			
	50 °F			26670	25020	61.1	57.4			

6 Row DX Coil										
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	DB °F	Wb °F	Total Capacity	Sensible Capacity	APD FV
			Capacity	Capacity						
900	35 °F	0.35	322	66850	36100	46.3	44.9	59600	33090	0.35
	40 °F			59600	33090	49.5	48.0			
	45 °F			53040	30220	52.6	41.0			
	50 °F			43500	26450	56.6	55.1			
1200	35 °F	0.56	429	79300	43830	49.7	48.0	70360	39850	0.56
	40 °F			70360	39850	53.0	51.1			
	45 °F			62400	36590	55.6	53.7			
	50 °F			52680	32910	58.5	56.7			
1500	35 °F	0.82	536	81110	46600	55.0	52.9	69900	42190	0.82
	40 °F			69900	42190	57.9	55.7			
	45 °F			60830	38850	60.0	57.9			
	50 °F									

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

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

8 Row DX Coil										
CFM	Suction Temp.	APD FV	85 °F EDB / 71 °F EWB		Leaving Air Temp.	DB °F	Wb °F	Total Capacity	Sensible Capacity	APD FV
			Capacity	Capacity						
900	35 °F	0.47	322	72800	39850	42.3	41.3	65310	35970	0.47
	40 °F			65310	35970	46.4	45.2			
	45 °F			58930	33040	49.6	48.3			
	50 °F			48850	28880	54.0	52.9			
1200	35 °F	0.75	429	73480	41710	51.5	50.1	70080	40290	0.75
	40 °F			70080	40290	52.6	51.2			
	45 °F			60480	36520	55.6	54.3			
	50 °F									
1500	35 °F	1.09	536	90230	51240	52.0	50.5	81260	47580	1.09
	40 °F			81260	47580	54.4	52.9			
	45 °F			67420	42340	57.8	56.3			
	50 °F									

8 Row DX Coil										
CFM	Suction Temp.	APD FV	80 °F EDB / 67 °F EWB		Leaving Air Temp.	DB °F	Wb °F	Total Capacity	Sensible Capacity	APD FV
			Capacity	Capacity						
900	35 °F	0.48	322	62730	36760	40.9	40.1	56650	32950	0.48
	40 °F			56650	32950	45.0	43.8			
	45 °F			47140	28950	49.2	47.9			
	50 °F			37490	24930	53.5	52.3			
1200	35 °F	0.76	429	76190	44860	44.3	43.0	78380	40490	0.76
	40 °F			78380	40490	47.7	46.3			
	45 °F			59620	37010	50.5	49.1			
	50 °F			46230	31570	54.8	53.5			
1500	35 °F	1.10	536	78290	47710	49.6	48.0	68410	42620	1.10
	40 °F			68410	42620	52.8	51.3			
	45 °F			53910	37710	56.0	54.5			
	50 °F									

8 Row DX Coil										
CFM	Suction Temp.	APD FV	77 °F EDB / 64 °F EWB		Leaving Air Temp.	DB °F	Wb °F	Total Capacity	Sensible Capacity	APD FV
			Capacity	Capacity						
900	35 °F	0.48	322	55760	35140	39.9	39.1	48430	31060	0.48
	40 °F			48430	31060	44.2	43.0			
	45 °F			39290	26700	48.8	47.5			
	50 °F			28970	22370	53.4	52.1			
1200	35 °F	0.77	429	67260	42730	43.1	41.9	59100	38540	0.77
	40 °F			59100	38540	46.5	45.0			
	45 °F			49050	33930	50.1	48.6			
	50 °F			35510	28390	54.5	53.1			
1500	35 °F	1.11	536	78560	50350	45.1	43.6	67310	44860	1.11
	40 °F			67310	44860	48.6	46.9			
	45 °F			57840	40660	51.2	49.6			
	50 °F			41310	34070	55.4	53.9			

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# Cooling Capacity RX\*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	0.23	88340	48390	46.1	44.7
	40 °F		78650	43710	49.8	48.3
	45 °F		68540	39350	53.4	51.7
1600	35 °F	0.37	54660	33980	57.7	56.1
	40 °F		108110	59600	49.1	47.4
	45 °F		96160	54170	52.3	50.5
2000	35 °F	0.54	82600	48600	55.7	53.9
	40 °F		67710	43020	59.1	57.3
	45 °F		124710	69420	51.5	49.6
2000	35 °F	0.54	97380	58070	57.0	55.0
	40 °F		112790	64240	54.0	52.0
	45 °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	0.23	75520	44380	44.6	43.3
	40 °F		65530	39390	48.6	47.0
	45 °F		53790	34230	52.7	51.0
1600	35 °F	0.38	40080	28870	57.0	55.4
	40 °F		92240	54660	47.3	45.7
	45 °F		79960	48860	50.8	49.0
2000	35 °F	0.55	48590	36670	58.1	56.3
	40 °F		108370	64690	49.1	47.2
	45 °F		94240	58220	52.2	50.1
2000	35 °F	0.48	58120	43980	55.7	53.7
	40 °F		76230	50780	52.7	50.7
	45 °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	0.23	66150	41960	43.7	42.4
	40 °F		56250	36900	47.8	46.1
	45 °F		43520	31220	52.3	50.5
1600	35 °F	0.38	30950	26260	56.2	54.5
	40 °F		80890	51860	46.2	44.4
	45 °F		68280	45740	49.8	47.9
2000	35 °F	0.56	38610	33580	57.0	55.2
	40 °F		95550	61730	47.6	45.7
	45 °F		79010	53980	51.3	49.2
2000	35 °F	0.48	45460	40460	57.8	55.7
	40 °F		63360	47360	54.5	52.3
	45 °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	0.34	101340	55520	40.4	39.6
	40 °F		90500	49680	45.0	43.9
	45 °F		75920	42990	50.4	49.2
	50 °F		60300	36770	55.4	54.4
1600	35 °F	0.56	126940	69450	43.1	42.1
	40 °F		113260	62590	47.3	46.0
	45 °F		99230	56350	51.0	49.7
	50 °F		88810	41200	60.1	59.2
2000	35 °F	0.81	149370	81940	45.5	44.2
	40 °F		133720	74510	49.0	47.7
	45 °F		115370	66690	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	0.35	86610	50760	39.6	38.9
	40 °F		73270	43520	45.3	44.1
	45 °F		58090	36640	50.8	49.6
	50 °F		44960	31420	55.0	53.9
1600	35 °F	0.57	108340	63540	42.0	41.0
	40 °F		97490	57840	45.4	44.2
	45 °F		78220	49040	50.7	49.4
	50 °F		58600	41220	55.4	54.2
2000	35 °F	0.83	127700	76200	44.0	42.9
	40 °F		111470	67210	47.9	46.5
	45 °F		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	0.35	74450	46920	39.8	39.1
	40 °F		59760	39110	46.0	44.8
	45 °F		47410	33530	50.4	49.2
	50 °F		36650	29180	53.9	52.8
1600	35 °F	0.57	95200	60150	41.2	40.3
	40 °F		81330	52820	45.6	44.3
	45 °F		63710	44770	50.4	49.1
	50 °F		48500	38590	54.1	52.8
2000	35 °F	0.83	112010	71240	43.1	41.9
	40 °F		95500	62910	47.1	45.7
	45 °F		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	0.46	104620	57410	38.8	38.2
	40 °F		94010	51500	43.6	42.5
	45 °F		83160	46280	47.8	46.7
	50 °F		65790	39030	53.6	52.6
1600	35 °F	0.74	135290	74080	40.3	39.5
	40 °F		121970	66940	44.6	43.5
	45 °F		97730	55990	51.2	50.1
	50 °F		84280	50470	54.4	53.5
2000	35 °F	1.08	160890	88030	42.5	41.6
	40 °F		145000	80020	46.4	45.2
	45 °F		126770	71850	50.3	49.2
	50 °F		166720	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	0.46	89250	52350	38.3	37.8
	40 °F		80310	47210	42.4	41.4
	45 °F		63640	39170	48.8	47.7
	50 °F		36480	28510	57.3	56.5
1600	35 °F	0.75	46840	68480	39.1	38.4
	40 °F		102260	60410	43.9	42.8
	45 °F		85240	52350	48.7	47.6
	50 °F		49040	37730	57.5	56.6
2000	35 °F	1.1	138100	80970	41.3	40.4
	40 °F		121730	72420	45.4	44.2
	45 °F		102850	48300	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	0.47	78450	49400	37.9	37.4
	40 °F		66280	42470	43.3	42.3
	45 °F		50840	35170	49.1	48.0
	50 °F		38210	29970	53.2	52.3
1600	35 °F	0.76	102420	64500	38.7	38.1
	40 °F		88040	56420	43.5	42.4
	45 °F		70590	48080	48.4	47.3
	50 °F		49150	39210	53.7	52.7
2000	35 °F	1.11	122040	77040	40.4	39.6
	40 °F		105240	68030	44.7	43.5
	45 °F		84320	58300	49.3	48.1
	50 °F		62220	49230	53.6	52.5

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RXRW1009-11



# Cooling Capacity RX\*D-60

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
1500	35 °F		108820	59660	46.6	45.2
	40 °F	0.26	96590	53820	50.4	48.8
	45 °F	309	84000	48440	53.8	52.2
2000	35 °F		132520	73190	49.7	48.0
	40 °F	0.42	117660	66540	52.9	51.0
	45 °F	411	82030	52710	59.6	57.7
2500	35 °F		152440	85120	52.1	50.2
	40 °F	0.61	137770	78820	54.6	52.5
	45 °F	514	118460	71170	57.5	55.5
	50 °F		95900	62930	60.7	58.7

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
1500	35 °F		92630	54510	45.2	43.8
	40 °F	0.26	80250	48410	49.1	47.5
	45 °F	309	65760	42111	53.2	51.4
2000	35 °F		112950	67090	47.9	46.2
	40 °F	0.42	99140	60620	51.0	49.1
	45 °F	411	81330	54610	54.6	52.7
2500	35 °F		132430	79300	49.7	47.7
	40 °F	0.62	114540	71380	52.7	50.6
	45 °F	514	92690	62290	56.2	54.0
	50 °F		69220	53550	59.5	57.5

4 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
1500	35 °F		81130	51570	44.3	42.8
	40 °F	0.24	68680	45280	48.3	46.5
	45 °F	309	53120	38410	52.6	50.9
2000	35 °F		98960	63650	46.7	44.9
	40 °F	0.43	83300	56140	50.3	48.3
	45 °F	411	65820	48660	53.9	51.8
2500	35 °F		116370	75530	48.3	46.2
	40 °F	0.62	96080	66110	51.9	49.6
	45 °F	514	76890	58090	54.9	52.7
	50 °F		55300	49820	58.1	55.9

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
1500	35 °F		124760	68200	41.1	40.2
	40 °F	0.38	111460	61260	45.6	44.4
	45 °F	309	95620	54020	50.2	49.0
	50 °F		76380	46310	55.2	54.1
	35 °F		154990	84850	44.1	42.9
2000	40 °F	0.63	138570	76810	47.9	46.7
	45 °F	411	120540	68930	51.7	50.5
	50 °F		73810	45400	60.1	59.2
	35 °F		182380	100240	46.3	45.0
	40 °F	0.91	165370	92290	49.4	48.0
2500	45 °F	514	141320	82130	53.3	52.0
	50 °F		88740	62940	60.7	59.6

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
1500	35 °F		106660	62490	40.2	39.4
	40 °F	0.39	92290	54730	45.1	43.9
	45 °F	309	74190	46440	50.4	49.2
	50 °F		56640	39410	54.9	53.8
	35 °F		133150	78160	42.6	41.6
2000	40 °F	0.64	116140	69500	46.8	45.5
	45 °F	411	97410	61090	50.8	49.5
	50 °F		72830	51310	55.5	54.3
	35 °F		158610	93440	44.3	43.0
	40 °F	0.93	136290	82550	48.4	47.0
2500	45 °F	514	82230	62820	56.0	54.7
	50 °F		86880	62310	56.2	54.9

6 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
1500	35 °F		93760	59070	39.6	38.8
	40 °F	0.39	76660	49810	45.4	44.2
	45 °F	309	60420	42380	50.1	48.9
	50 °F		47490	37090	53.5	52.3
	35 °F		116910	73990	41.8	40.8
2000	40 °F	0.64	102490	66400	45.4	44.1
	45 °F	411	79330	55780	50.5	49.1
	50 °F		65320	50020	53.2	51.9
	35 °F		137190	87490	43.7	42.5
	40 °F	0.94	116770	77340	47.6	46.1
2500	45 °F	514	95060	67730	51.2	49.8
	50 °F		68400	57200	55.3	54.0

8 Row DX Coil						
85 °F EDB / 71 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
1500	35 °F		131460	72200	38.6	38.0
	40 °F	0.51	118040	64650	43.4	42.4
	45 °F	309	101550	56770	48.5	47.3
	50 °F		82740	48980	53.5	52.5
	35 °F		168510	92260	40.5	39.7
2000	40 °F	0.83	154670	84780	44.1	43.0
	45 °F	411	128030	72430	50.0	48.9
	50 °F		104170	62870	54.7	53.7
	35 °F		200580	109740	42.6	41.7
	40 °F	1.22	180680	99730	46.5	45.3
2500	45 °F	514	157160	89240	50.6	49.4
	50 °F		130430	78560	54.7	53.7

8 Row DX Coil						
80 °F EDB / 67 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
1500	35 °F		112710	66150	37.8	37.4
	40 °F	0.52	98060	57780	43.2	42.1
	45 °F	309	80710	49460	48.5	47.3
	50 °F		60690	41200	53.7	52.8
	35 °F		144770	84830	39.4	38.8
2000	40 °F	0.85	127240	75200	44.0	43.0
	45 °F	411	100420	62760	50.0	48.9
	50 °F		56680	45950	58.0	57.2
	35 °F		173650	101790	41.1	40.2
	40 °F	1.24	150880	89880	45.6	44.5
2500	45 °F	514	127150	79050	49.8	48.6
	50 °F		69580	56880	58.2	57.4

8 Row DX Coil						
77 °F EDB / 64 °F EWB						
CFM	Suction Temp.	APD FV	Total Capacity	Sensible Capacity	Leaving Air Temp.	
					DB °F	Wb °F
1500	35 °F		99770	62840	37.2	36.8
	40 °F	0.52	80580	51920	44.1	43.0
	45 °F	309	64570	44400	48.9	47.7
	50 °F		47160	37220	53.4	52.4
	35 °F		127270	80160	38.9	38.3
2000	40 °F	0.86	104480	67700	44.8	43.7
	45 °F	411	80770	56820	50.0	48.8
	50 °F		61250	48910	53.7	52.7
	35 °F		151610	95750	40.6	39.7
	40 °F	1.25	130060	84280	44.9	43.8
2500	45 °F	514	103870	72170	49.5	48.3
	50 °F		75890	60760	53.9	52.8



# Cooling Capacity RX\*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	Wb °F
2250	35 °F		174880	95740	43.9	42.8
	40 °F	0.38	157920	87370	47.5	46.3
	45 °F	306	140200	79510	50.9	49.6
	50 °F		86400	59180	59.6	58.7
3000	35 °F		213250	117520	47.2	45.9
	40 °F	0.57	190570	107190	50.5	49.1
	45 °F	408	168130	97850	53.5	52.2
	50 °F		142350	87970	56.7	55.4
3750	35 °F		242920	135350	50.2	48.7
	40 °F	0.77	223060	127040	52.3	50.8
	45 °F	511	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	Wb °F
2250	35 °F		151630	88950	42.2	41.2
	40 °F	0.38	133760	79700	46.1	44.9
	45 °F	306	111600	69630	50.4	49.1
	50 °F		59370	49650	58.9	57.9
3000	35 °F		186410	110040	44.9	43.6
	40 °F	0.57	162710	98570	48.6	47.2
	45 °F	408	108820	76330	55.7	54.3
	50 °F		75970	64520	59.4	58.3
3750	35 °F		214880	128190	47.3	45.8
	40 °F	0.79	185300	114670	50.8	49.2
	45 °F	511	128660	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	Wb °F
2250	35 °F		134860	85150	41.0	40.1
	40 °F	0.38	115750	74950	45.3	44.0
	45 °F	306	87160	53850	54.2	53.0
	50 °F					
3000	35 °F		163430	104290	43.9	42.7
	40 °F	0.58	117230	82480	50.9	49.4
	45 °F	408	85180	69560	55.0	53.6
	50 °F		61610	60860	57.7	56.4
3750	35 °F		191020	123120	45.8	44.3
	40 °F	0.79	162860	109670	49.2	47.6
	45 °F	511	101340	84290	55.6	54.1
	50 °F		75620	74840	58.0	56.6

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
2250	35 °F		193760	106210	39.4	38.8
	40 °F	0.57	176190	96530	43.6	42.6
	45 °F	306	153700	85780	48.2	47.1
	50 °F		104650	66210	56.6	55.8
3000	35 °F		246600	134910	41.6	40.7
	40 °F	0.85	215990	119360	46.6	45.5
	45 °F	408	195270	110040	49.6	48.5
	50 °F		162810	96820	53.9	52.9
3750	35 °F		290140	158980	44.1	43.0
	40 °F	1.16	262280	145500	47.6	46.4
	45 °F	511	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	Wb °F
2250	35 °F		167130	98020	38.3	37.8
	40 °F	0.57	148450	87390	42.9	41.9
	45 °F	306	124960	75950	47.7	46.6
	50 °F		72860	55050	56.6	55.8
3000	35 °F		211160	123740	40.6	39.7
	40 °F	0.86	188260	111490	44.5	43.4
	45 °F	408	158220	97430	48.9	47.8
	50 °F		94060	72140	57.0	56.2
3750	35 °F		251600	147760	42.3	41.3
	40 °F	1.18	219860	131700	46.4	45.2
	45 °F	511	188560	117620	50.0	48.8
	50 °F		148690	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	Wb °F
2250	35 °F		151380	95390	36.7	36.4
	40 °F	0.58	128580	81860	42.4	41.4
	45 °F	306	102690	69190	47.8	46.6
	50 °F					
3000	35 °F		188720	118920	39.3	38.6
	40 °F	0.87	164310	105380	43.6	42.5
	45 °F	408	126580	87580	49.2	48.1
	50 °F		95900	74940	53.2	52.2
3750	35 °F		223480	141370	41.2	40.2
	40 °F	1.19	191900	124820	45.4	44.2
	45 °F	511	157590	109000	49.4	48.1
	50 °F		117660	92580	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
2250	35 °F		194590	106670	39.2	38.6
	40 °F	0.75	176610	96860	43.5	42.4
	45 °F	306	156610	87240	47.6	46.5
	50 °F		130960	76270	52.6	51.3
3000	35 °F		252160	138000	40.6	39.8
	40 °F	1.13	223300	122950	45.4	44.4
	45 °F	408	201470	112900	48.7	47.6
	50 °F		173960	101400	52.4	51.4
3750	35 °F		276030	152170	45.8	44.7
	40 °F	1.55	237630	135050	50.2	49.2
	45 °F	511	210130	123800	53.1	52.2
	50 °F					

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
2250	35 °F		168800	99030	37.9	37.4
	40 °F	0.76	150750	88640	42.3	41.4
	45 °F	306	126000	76500	47.5	46.4
	50 °F		99670	65380	52.2	51.2
3000	35 °F		212280	124400	40.3	39.6
	40 °F	1.15	191600	113280	43.9	42.9
	45 °F	408	151370	94660	49.8	48.8
	50 °F		132860	87030	52.3	51.3
3750	35 °F		262310	153770	40.8	40.0
	40 °F	1.57	226190	135000	45.6	44.5
	45 °F	511	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	Wb °F
2250	35 °F		151170	95230	36.8	36.5
	40 °F	0.77	129040	82190	42.3	41.3
	45 °F	306	104170	69970	47.4	46.3
	50 °F		77170	58490	52.3	51.3
3000	35 °F		191120	120400	38.8	38.2
	40 °F	1.15	171880	109480	42.3	41.3
	45 °F	408	121530	85620	49.9	48.8
	50 °F		103070	78020	52.3	51.3
3750	35 °F		232690	146790	39.8	39.0
	40 °F	1.58	200490	129370	44.2	43.1
	45 °F	511	166690	113410	48.2	47.1
	50 °F		103250	87550	54.8	53.9

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# Cooling Capacity RX\*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
4000	35 °F		110500	77220	60.2	59.2
	40 °F	0.61	284900	156900	47.1	45.8
	45 °F	430	252830	142260	50.7	49.3
5000	35 °F		221470	129260	53.8	52.4
	40 °F		138400	99130	61.1	59.9
	45 °F	537	325770	181520	50.0	48.4
5000	35 °F	0.83	294060	167810	52.6	51.1
	40 °F		254320	151940	55.7	54.2
	45 °F	537	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
4000	35 °F		110410	77380	55.3	54.1
	40 °F	0.62	246420	145560	45.2	43.9
	45 °F	430	214760	130340	48.8	47.4
5000	35 °F		137840	98920	56.4	55.0
	40 °F	0.84	283050	169130	47.7	46.1
	45 °F	537	244750	151710	51.0	49.4
5000	35 °F		164330	119740	57.1	55.0
	40 °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
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
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

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		254980	139630	40.1	39.3
	40 °F	0.61	231860	127140	44.1	43.0
	45 °F	322	205800	114750	48.1	47.0
4000	35 °F		139620	88290	56.6	55.8
	40 °F	0.91	323810	177150	42.3	41.3
	45 °F	430	287890	159080	46.6	45.5
5000	35 °F		256380	144550	50.1	49.0
	40 °F	1.25	343440	191100	48.1	46.9
	45 °F	537	296740	171090	52.0	50.8
5000	35 °F		216670	128290	53.9	52.9
	40 °F		252880	153990	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	165870	100830	47.9	46.7
4000	35 °F		97650	73560	56.6	55.7
	40 °F	0.92	245970	146130	45.1	43.9
	45 °F	430	205880	127660	49.5	48.3
5000	35 °F		125640	96220	57.0	56.1
	40 °F	1.27	329190	193630	43.0	41.9
	45 °F	537	287710	172990	46.9	45.7
5000	35 °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
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
5000	35 °F		128200	100000	53.2	52.2
	40 °F	1.28	293070	185730	41.7	40.7
	45 °F	537	259160	167890	45.1	43.9
5000	35 °F		209250	144880	49.4	48.2
	40 °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	238880	130780	42.9	41.9
	45 °F	322	210090	116770	47.4	46.3
4000	35 °F		174010	101440	52.4	51.4
	40 °F	1.22	337250	184600	40.5	39.7
	45 °F	430	301040	165530	45.1	44.0
5000	35 °F		269580	150940	48.6	47.5
	40 °F	1.67	232620	135460	52.3	51.3
	45 °F	537	392880	215210	43.5	42.4
5000	35 °F		369410	203540	45.7	44.6
	40 °F		320260	181380	50.0	48.9
	45 °F	537	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
4000	35 °F		128220	85210	52.8	51.9
	40 °F	1.23	286650	167950	39.9	39.1
	45 °F	430	256730	151680	43.7	42.7
5000	35 °F		223540	135740	47.6	46.4
	40 °F	1.69	350600	205500	40.7	39.9
	45 °F	537	304130	181200	45.3	44.2
5000	35 °F		258150	164550	48.5	47.4
	40 °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	49.9	48.9
4000	35 °F		82670	70150	54.8	53.9
	40 °F	1.24	256840	161760	38.5	38.0
	45 °F	430	230310	146570	42.2	41.2
5000	35 °F		185280	124380	47.4	46.3
	40 °F	1.7	309370	195200	39.9	39.1
	45 °F	537	268700	173180	44.1	43.0
5000	35 °F		222700	151380	48.2	47.1
	40 °F		162850	126380	53.0	52.0



# Cooling Capacity RX\*D-180

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
5000	35 °F	0.51	361270	198790	46.6	45.3
	40 °F		328110	183410	49.6	48.2
	45 °F		285440	165390	53.1	51.7
6000	35 °F	0.66	244030	149360	56.2	54.9
	40 °F		394080	219750	49.7	48.2
	45 °F		369190	208870	51.4	49.9
7000	35 °F	0.82	268770	169600	57.7	56.4
	40 °F		354980	212350	55.7	54.2
	45 °F		293600	189770	58.8	57.4

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
5000	35 °F	0.52	315610	186030	44.4	43.2
	40 °F		275920	166630	48.1	46.7
	45 °F		199440	131290	54.9	53.6
6000	35 °F	0.67	134030	110360	58.9	57.8
	40 °F		355030	210890	46.4	45.0
	45 °F		306670	188370	50.0	48.5
7000	35 °F	0.83	220320	153170	55.6	54.2
	40 °F		155420	129690	59.3	58.1
	45 °F		380230	229250	48.7	47.1
7000	35 °F	0.83	344480	213230	50.9	49.3
	40 °F		289090	190240	54.0	52.4
	45 °F		175320	148230	59.8	58.4

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
5000	35 °F	0.52	276420	176070	43.5	42.3
	40 °F		240310	157880	47.0	45.6
	45 °F		150290	119390	54.3	52.9
6000	35 °F	0.68	144260	117070	54.7	53.4
	40 °F		316170	202710	44.9	43.5
	45 °F		269390	179950	48.5	46.9
7000	35 °F	0.84	173350	139730	54.9	53.4
	40 °F		342550	225130	46.4	44.9
	45 °F		293410	199730	49.9	48.2
7000	35 °F	0.84	194780	159180	55.4	53.8
	40 °F		188800	156910	55.7	54.1
	45 °F					

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
5000	35 °F	0.77	411840	225310	41.5	40.6
	40 °F		376380	206840	45.1	44.0
	45 °F		304220	174510	51.3	50.2
6000	35 °F	0.99	273630	162310	53.7	52.7
	40 °F		464580	254610	44.0	43.0
	45 °F		425140	235440	47.1	46.0
7000	35 °F	1.24	389380	219460	49.7	48.5
	40 °F		322890	192430	54.0	53.0
	45 °F		483180	268630	48.0	46.8
7000	35 °F	1.24	418340	240730	51.8	50.7
	40 °F		356530	216540	55.1	54.1
	45 °F					

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
5000	35 °F	0.78	359200	210460	39.8	39.0
	40 °F		318750	188370	44.0	42.9
	45 °F		260120	160870	49.2	48.1
6000	35 °F	1.01	160600	121680	56.7	55.9
	40 °F		414920	243270	41.2	40.3
	45 °F		342260	206380	47.1	45.9
7000	35 °F	1.25	313020	193240	49.2	48.0
	40 °F		187650	143940	57.1	56.2
	45 °F		464510	273020	42.7	41.7
7000	35 °F	1.25	404380	242940	46.8	45.6
	40 °F		347550	217590	50.3	49.1
	45 °F		276410	188890	54.2	53.1

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
5000	35 °F	0.78	320050	201550	38.7	38.1
	40 °F		270760	174090	43.9	42.8
	45 °F		221010	150450	48.4	47.2
6000	35 °F	1.02	160040	125050	53.2	52.2
	40 °F		363690	229730	40.6	39.7
	45 °F		318450	205490	44.4	43.3
7000	35 °F	1.26	259120	177620	48.8	47.7
	40 °F		191770	149700	53.3	52.2
	45 °F		412200	261080	41.5	40.6
7000	35 °F	1.26	364890	236210	44.9	43.7
	40 °F		293630	203150	49.4	48.2
	45 °F		218990	172470	53.6	52.5

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
5000	35 °F	1.02	419940	229820	40.6	39.8
	40 °F		381460	209470	44.6	43.5
	45 °F		350650	194830	47.4	46.3
6000	35 °F	1.33	259080	157070	54.7	53.8
	40 °F		486670	266270	42.2	41.2
	45 °F		451740	248370	45.1	44.0
7000	35 °F	1.65	402270	225470	48.7	47.6
	40 °F		327410	194710	53.7	52.7
	45 °F		510150	281610	46.2	45.1
7000	35 °F	1.65	439670	250270	50.5	49.4
	40 °F		386980	229800	53.3	52.3
	45 °F					

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
5000	35 °F	1.04	363940	213260	39.2	38.6
	40 °F		325440	191940	43.3	42.3
	45 °F		280820	170340	47.4	46.3
6000	35 °F	1.34	186340	131480	54.9	54.0
	40 °F		420700	246600	40.7	39.9
	45 °F		376970	223410	44.4	43.3
7000	35 °F	1.67	337600	204640	47.4	46.3
	40 °F		264650	173580	52.3	51.3
	45 °F		487890	206040	40.9	40.1
7000	35 °F	1.67	434140	257790	44.2	43.7
	40 °F		369240	227670	48.9	47.8
	45 °F		298080	198190	52.9	51.9

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
5000	35 °F	1.05	322090	202830	38.4	37.9
	40 °F		287580	185070	42.2	41.2
	45 °F		230670	155080	47.5	46.4
6000	35 °F	1.35	172120	130190	52.2	51.2
	40 °F		372820	235190	39.7	39.0
	45 °F		327890	210640	43.6	42.6
7000	35 °F	1.68	279230	187150	47.3	46.2
	40 °F		206620	159190	52.2	51.2
	45 °F		430820	271950	40.1	39.3
7000	35 °F	1.68	381590	245200	43.7	42.6
	40 °F		317350	214440	47.9	46.7
	45 °F		192310	163230	54.8	53.9

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# Cooling Capacity RX\*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	270,55	47.7	46.4
	40 °F	0.55	450150	252,560	50.2	48.8
	45 °F	400	390090	227,530	53.6	52.3
	50 °F		338560	207,730	56.4	55.1
8000	35 °F		489520	277,340	51.5	50.1
	40 °F	0.66	419940	249,160	54.9	53.5
	45 °F	457	357520	225,840	57.8	56.4
	50 °F					
9000	35 °F		519550	298,310	53.0	51.5
	40 °F	0.78	461330	275,200	55.5	54.0
	45 °F	514	381810	245,830	58.6	57.2
	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
7000	35 °F		428300	253,400	45.4	44.1
	40 °F	0.56	376020	228,430	48.8	47.4
	45 °F	400	321950	205,030	52.0	50.6
	50 °F		189010	154,740	58.9	57.7
8000	35 °F		467190	278,150	48.8	48.3
	40 °F	0.67	416440	254,440	49.6	48.1
	45 °F	457	297790	205,750	55.4	54.0
	50 °F		210380	174,020	59.2	57.9
9000	35 °F		493670	297,180	48.4	46.9
	40 °F	0.79	447390	276,330	50.6	49.1
	45 °F	514	375970	246,570	53.8	52.2
	50 °F		230600	192,700	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	244,990	43.7	42.5
	40 °F	0.56	329290	217,470	47.5	46.0
	45 °F	400	211480	167,320	54.3	52.9
	50 °F		200610	163,130	54.8	53.5
8000	35 °F		419430	269,170	45.0	43.6
	40 °F	0.68	356990	238,930	48.6	47.0
	45 °F	457	234530	187,620	54.7	53.2
	50 °F		221660	182,680	55.3	53.8
9000	35 °F		450270	291,350	46.2	44.7
	40 °F	0.8	380790	258,630	49.7	48.0
	45 °F	514	256330	207,240	55.1	53.5
	50 °F		182290	179,820	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	316,950	41.3	40.4
	40 °F	0.82	519610	285,980	45.6	44.5
	45 °F	400	459720	258,550	49.4	48.2
	50 °F		380670	226,230	53.8	52.8
8000	35 °F		641190	350,840	42.7	41.7
	40 °F	0.99	585290	322,610	46.1	44.9
	45 °F	457	511730	289,430	50.1	48.9
	50 °F		429210	256,070	54.1	53.1
9000	35 °F		697300	382,070	44.0	43.0
	40 °F	1.17	629970	349,430	47.5	46.3
	45 °F	514	547600	313,590	51.4	50.2
	50 °F		473590	284,250	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	291,500	40.2	39.4
	40 °F	0.83	443430	262,250	44.2	43.1
	45 °F	400	368340	228,990	49.0	47.8
	50 °F		220630	168,770	56.9	56.1
8000	35 °F		554960	325,330	41.1	40.2
	40 °F	1.01	497400	294,480	44.8	43.6
	45 °F	457	415860	257,000	49.3	48.1
	50 °F		247270	190,870	57.2	56.3
9000	35 °F		604740	355,110	42.3	41.3
	40 °F	1.19	528340	316,390	46.4	45.2
	45 °F	514	453190	282,550	50.0	48.8
	50 °F		356640	243,450	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	281,280	38.8	38.2
	40 °F	0.84	382750	245,580	43.6	42.6
	45 °F	400	292080	202,960	49.4	48.3
	50 °F		223820	174,920	53.2	52.2
8000	35 °F		486580	307,270	40.5	39.6
	40 °F	1.02	425670	274,530	44.4	43.2
	45 °F	457	343190	235,620	49.0	47.8
	50 °F		254670	199,210	53.3	52.3
9000	35 °F		537820	340,110	41.1	40.2
	40 °F	1.20	461330	299,920	45.3	44.1
	45 °F	514	378150	261,560	49.4	48.2
	50 °F		282260	222,130	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	321,380	40.7	39.9
	40 °F	1.10	532060	292,250	44.7	43.6
	45 °F	400	487580	271,240	47.6	46.5
	50 °F		407470	237,230	52.3	51.3
8000	35 °F		661000	361,620	41.4	40.5
	40 °F	1.33	590260	325,330	45.8	44.7
	45 °F	457	532450	298,920	48.9	47.8
	50 °F		461210	269,920	52.5	51.5
9000	35 °F		712300	390,030	43.2	42.2
	40 °F	1.57	664520	366,080	45.7	44.6
	45 °F	514	578140	327,220	49.9	48.8
	50 °F		498870	295,000	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	303,960	38.5	37.9
	40 °F	1.11	452980	267,350	43.5	42.5
	45 °F	400	392440	238,130	47.5	46.4
	50 °F		309090	202,700	52.3	51.3
8000	35 °F		576650	337,870	39.6	38.9
	40 °F	1.34	506730	299,930	44.2	43.1
	45 °F	457	447870	271,820	47.5	46.4
	50 °F		351550	230,920	52.4	51.4
9000	35 °F		633140	371,080	40.6	39.8
	40 °F	1.59	550720	327,790	45.2	44.1
	45 °F	514	457950	285,480	49.7	48.6
	50 °F		377260	252,500	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	284,970	38.3	37.8
	40 °F	1.12	400660	255,250	42.3	41.4
	45 °F	400	232140	171,190	47.5	46.4
	50 °F		194190	164,110	54.7	53.8
8000	35 °F		501510	316,180	39.4	38.7
	40 °F	1.35	445650	285,220	43.1	42.1
	45 °F	457	371860	249,520	47.4	46.2
	50 °F		219130	186,430	54.8	53.9
9000	35 °F		561340	354,000	39.6	38.9
	40 °F	1.60	490990	315,470	43.7	42.6
	45 °F	514	396260	270,480	48.4	47.3
	50 °F		291810	227,000	53.0	52.0

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## HOT WATER HEATING CAPACITY

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

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				CFM	50.0 Deg. F EDB				60.0 Deg. 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 Deg. F EDB				60.0 Deg. F EDB				CFM	50.0 Deg. F EDB				60.0 Deg. 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 Deg. F EDB				60.0 Deg. F EDB				CFM	50.0 Deg. F EDB				60.0 Deg. 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 Deg. F EDB				60.0 Deg. F EDB				CFM	50.0 Deg. F EDB				60.0 Deg. 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 Deg. F EDB				60.0 Deg. F EDB				CFM	50.0 Deg. F EDB				60.0 Deg. 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 Deg. F EDB				60.0 Deg. F EDB				CFM	50.0 Deg. F EDB				60.0 Deg. 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	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

RXRW1009-17

1.800.444.6354 Fax 1.800.944.6354 Local: 817.624.8581 501 Terminal Road Fort Worth TX 76106 [www.commercialaire.com](http://www.commercialaire.com)



## INTERNAL STATIC PRESURES CHILLED WATER COIL & 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	
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	0.6	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	1.3	
	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	0.16		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)

All Technical Specifications Subject to Change Without Notice.

For more information contact Customer Service

Phone (817)624.0820 Fax (817)624.8581

**1.800.444.6354 Fax 1.800.944.6354 Local: 817.624.8581 501 Terminal Road Fort Worth TX 76106 [www.commercialaire.com](http://www.commercialaire.com)**

RXRW1009-18



## INTERNAL STATIC PRESURES DX COIL & 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	
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	0.6	
	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	0.10	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	1.1	
	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 for system TSP (total static pressure)

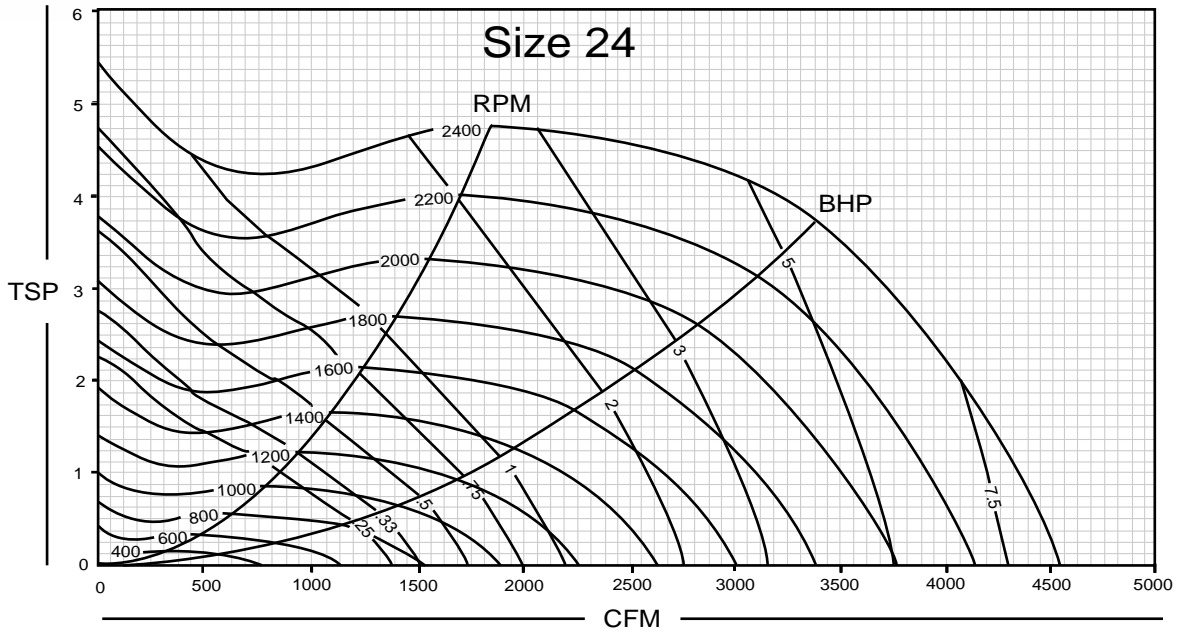
All Technical Specifications Subject to Change Without Notice.

**For more information contact Customer Service**

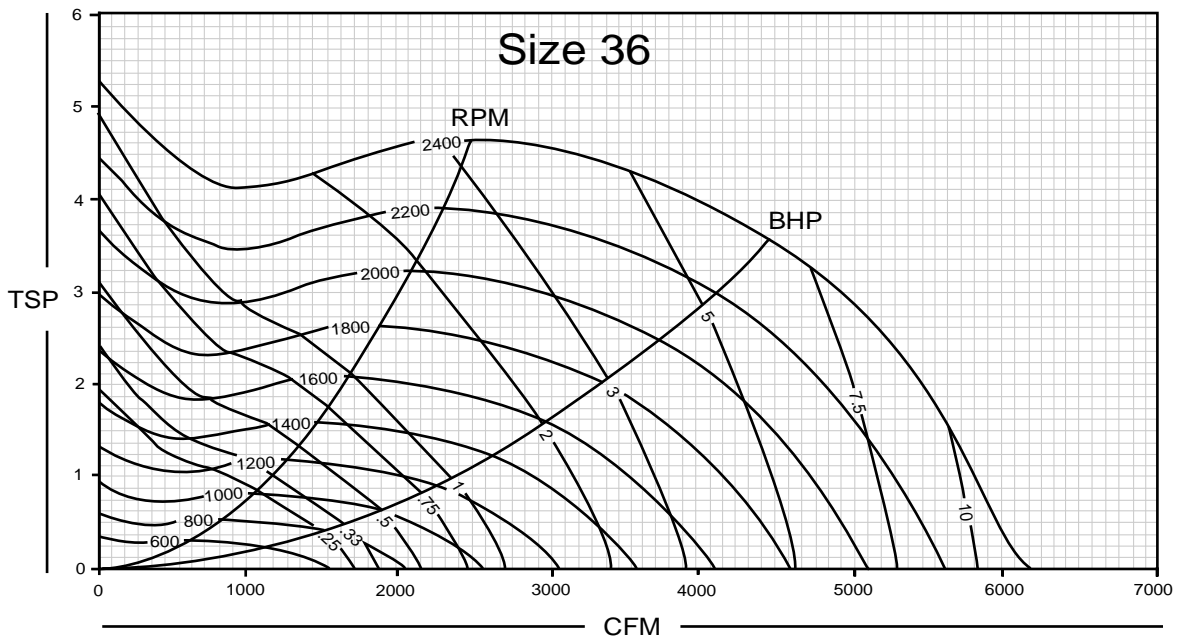
Phone (817)624.0820 Fax (817)624.8581

[www.commercialaire.com](http://www.commercialaire.com)

1.800.444.6354 Fax 1.800.944.6354 Local: 817.624.8581 501 Terminal Road Fort Worth TX 76106 [www.commercialaire.com](http://www.commercialaire.com)



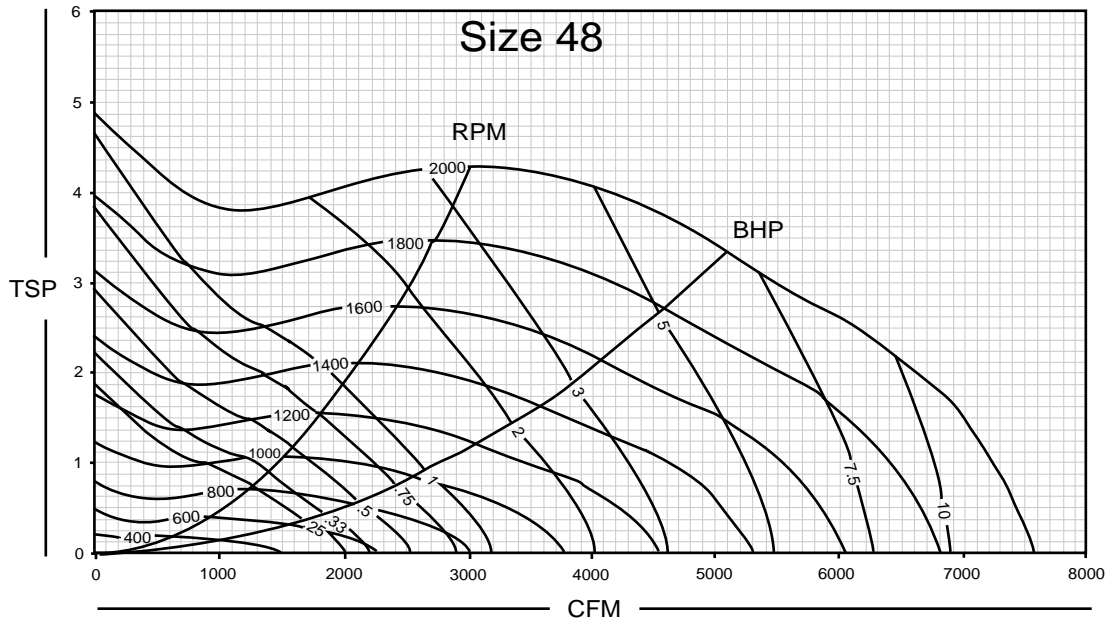
SIZE 24 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
600	1000	1400	0.5



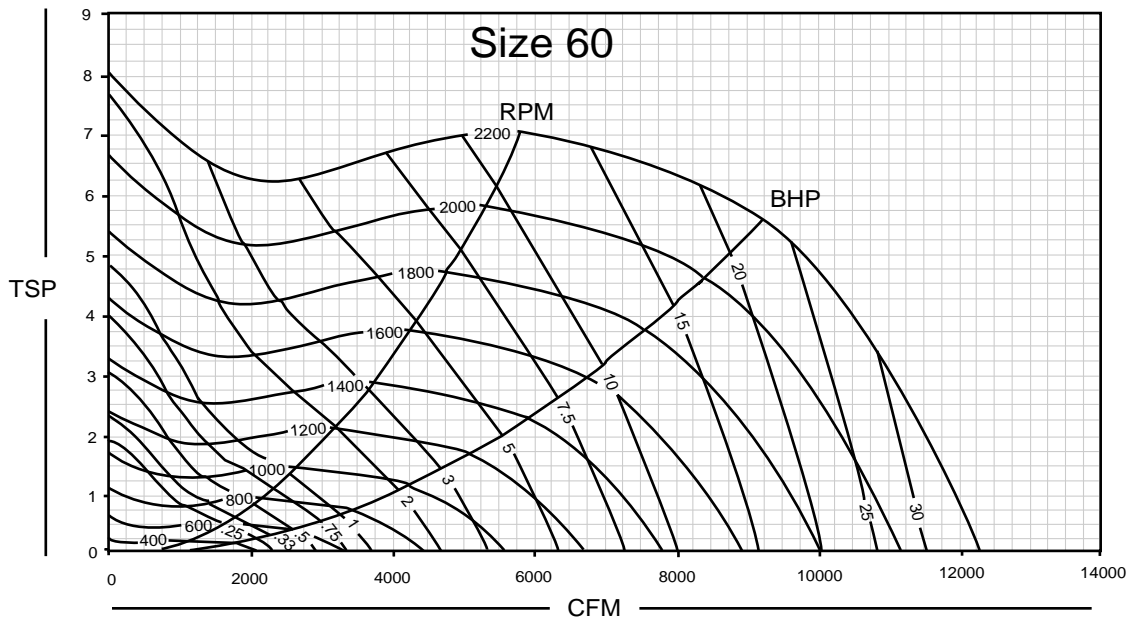
SIZE 36 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
900	1500	1325	0.5

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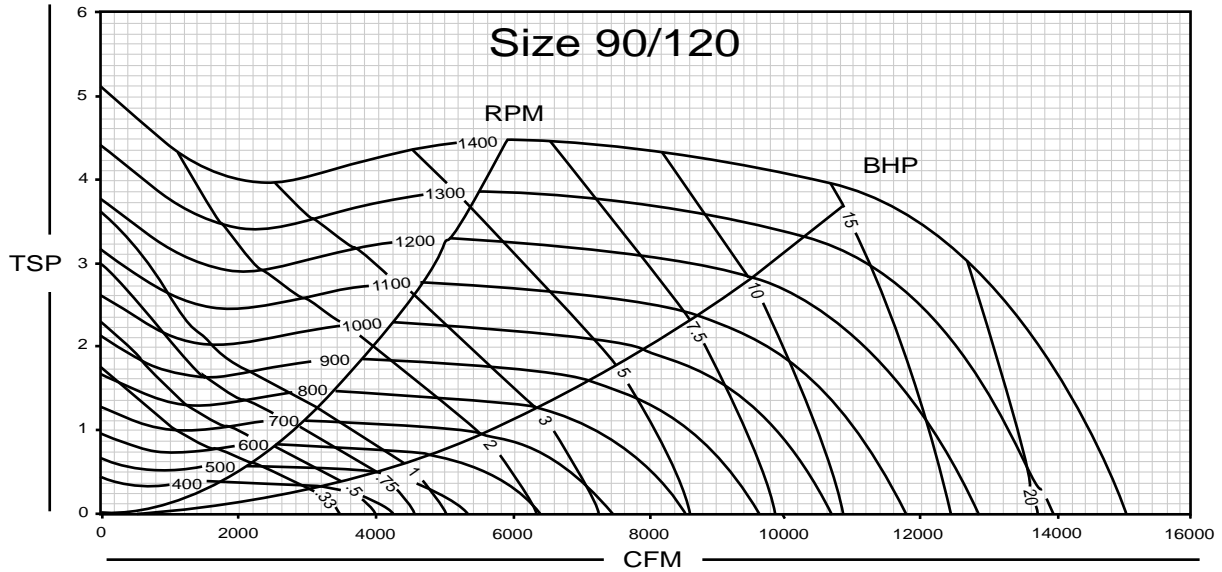
SIZE 48 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
1200	2000	1600	1.5



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

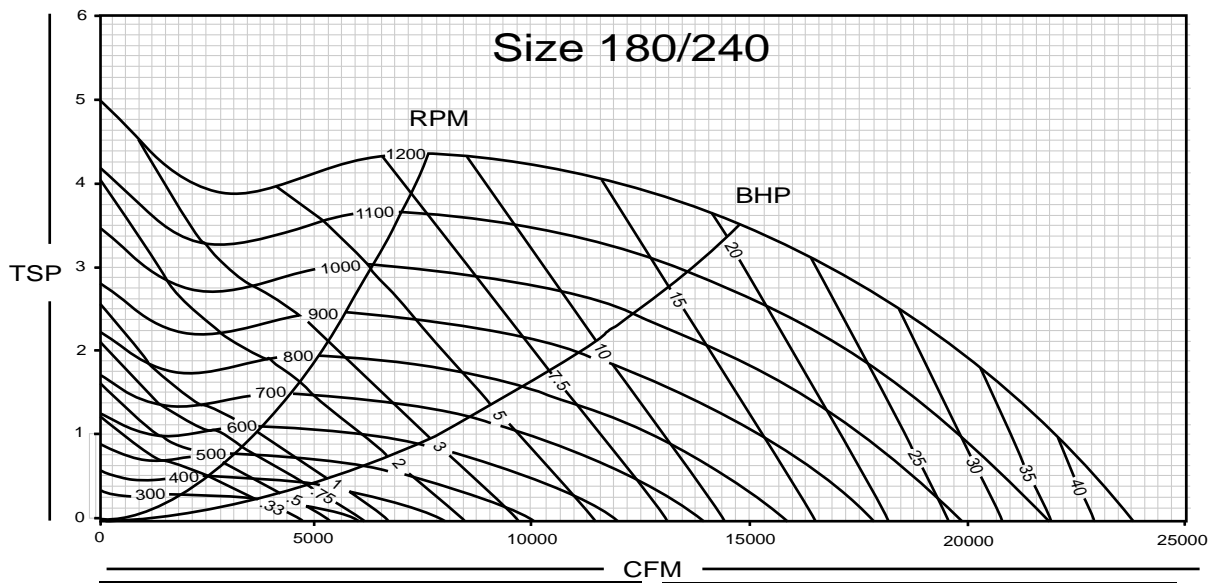
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SIZE 90 PERFORMANCE GUIDELINES			
MIN. CFM	MAX. CFM	MAX. RPM	MAX. HP
2250	3750	1300	3.0

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

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