CENTURY
REFRIGERATION
DIVISION RAE CORPORATION

Refrigeration Products

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Century Refrigeration - Corporate Overview

RAE Corporation was founded in 1971, as a privately-held corporation. From the beginning, the company has been dedicated to the manufacturing of compressorized equipment for the refrigeration, HVAC, and industrial markets. Our manufacturing facilities are located in the 7,000-acre Mid-America Industrial Park, 40 miles east of Tulsa, Oklahoma. The low cost utilities, excellent labor resources, and central location of this site have contributed significantly to RAE Corporation's continuing success.

RAE Corporation remains a privately-held company, but today it functions with five divisions. Each of the five divisions are involved in the HVAC and refrigeration industry. The divisions include Century Refrigeration, Refrigeration Systems, Technical Systems, RAE Coils, and King Coils. Thus Century Refrigeration has the advantages of both a dedicated sales, marketing, and engineering group and a member of a larger, more diversified parent corporation.

Our corporate structure enables us to continue our history of personal involvement with each of our customers. By focusing attention on the refrigeration market, our sales representatives and engineers are able to develop a better understanding of the customer's specific needs. At the same time, we are able to draw on the financial security and manufacturing strength of a much larger, closely integrated corporation.

Century Refrigeration's products are marketed nationwide through one of the finest networks of manufacturer's representatives in the United States. Offices are maintained from coast to coast, ready to work with the customer on their special needs and applications. Our representatives are among the most experienced in the industry and are pledged to work together with Century Refrigeration to solve the most demanding application problems.

All Century Refrigeration equipment components are UL approved. Units are ETL certified and are built to ARI standards. Applicable products are NSF certified.

Century Refrigeration is making a world of difference. We are helping to supply consumers with the freshest food products on the planet. Meat, dairy, fruits, vegetables, and a host of other perishable products are delivered fresh to millions of homes because of our commitment to excellence and our mastery of refrigeration technology.

We are truly proud to support the industries that supply important products for nourishment and enjoyment. The world really is a better place because ***"we build cool stuff."***

Picture

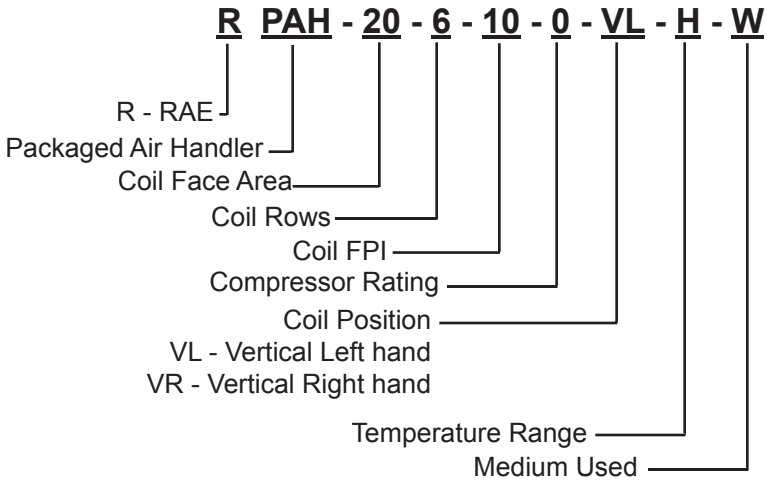
Air Handling Units

Model Number Nomenclature

Product Coolers and Packaged Air Handlers

Example:

R	PC	-22	6	10	-0	VL	-M	W
I	II	III	IV	V	VI	VII	VIII	IX



I – Basic Model
- R = RAE Corporation
- A to ZZZ (other than R) = Customer code

II – Unit Type
- PC = Product Cooler
- PAH = Packaged Air Handler

III – Area of Coil Face 4/5/6/7/50/58
- -08 to -45 = minimum 8 square feet to maximum 45 square feet

IV – Number of Coil Rows
- 4 = 4 rows
- 6 = 6 rows
- 8 = 8 rows

V – Density of Fins
- 4 to 14 = Minimum 4 fins/inch to maximum 14 fins/inch

VI – Compressor Rating
- -0 = No compressor

VII – Coil Position
- VL = Vertical, Left hand
- VR = Vertical, Right hand
- HL = Horizontal, Left hand
- HR = Horizontal, Right hand

VIII – Temperature Range
- -H = High
- -M = Medium
- -L = Low

IX – Medium Used

2 = R-22	7 = R-507
4 = R-404a	O = Other
5 = R-502	W = Water

Model Number	Length	Width	Heigth	Weight	CFM	Capacity (tons)
AH-4		38"	35.0"		1,450 - 2,000	3.6 - 5.0
AH-5		46"	35.0"		1,950 - 2,670	4.9 - 6.7
AH-6		50"	35.0"		2,200 - 3,000	5.5 - 7.5
AH-7		60'	35.5"		2,900 - 4,000	7.3 - 10.0
AH-8		64"	35.5"		3,150 - 4,333	7.9 - 10.8
AH-10		60"	44.5"		3,900 - 5,333	9.8 - 13.3
AH-11		60"	47.5"		4,350 - 6,000	10.9 - 15.0
AH-12		62"	50.5"		4,850 - 6,667	12.1 - 16.7
AH-15		60"	59.5"		5,800 - 8,000	14.5 - 20.0
AH-18		72"	59.5"		7,500 - 10,000	18.8 - 25.0
AH-22		82"	60.0"		8,500 - 12,000	21.3 - 30.0
AH-24		72"	73.5"		9,000 - 12,500	22.5 - 31.3
AH-28		82"	74.0"		11,000 - 15,000	27.5 - 37.5
AH-32		94"	76.0"		12,500 - 17,500	31.3 - 43.8
AH-38		94"	88.0"		15,000 - 21,000	37.5 - 52.5
AH-44		104"	88.5"		17,500 - 24,000	43.8 - 60.0
AH-50		104"	100.5"		20,000 - 28,000	50.0 - 70.0
AH-58		104"	112.5"		24,000 - 32,000	60.0 - 80.0

Note: Other optional components are available.

Air Cooled Chillers

Model Number	Dimensions L" x W" x H"	Leaving Water Temp.	85° Ambient	
			TONS	EER**
RCH LS 3	76" x 34" x 46"	44°	2.81	12.22
RCH LS 5	76" x 34" x 46"	44°	4.89	12.04
RCH LS 8	87" x 34" x 46"	44°	7.07	11.41
RCH LS 9	87" x 34" x 46"	44°	8.42	12.14
RCH LS 10	87" x 34" x 46"	44°	9.57	11.79
RCH LS 13	120" x 34" x 46"	44°	12.06	11.26
RCH LS 15	120" x 34" x 46"	44°	14.26	11.00
RCH LD 10	76" x 68" x 53"	44°	9.67	11.92
RCH LD 15	87" x 68" x 53"	44°	13.62	11.06
RCH LD 18	87" x 68" x 53"	44°	16.33	11.83
RCH LD 20	87" x 68" x 53"	44°	19.14	11.79
RCH LD 26	120" x 68" x 53"	44°	24.13	11.26
RCH LD 30	120" x 68" x 53"	44°	27.98	10.83
RCH CS 5	75" x 34" x 46"	44°	5.62	12.37
RCH CS 8	87" x 34" x 46"	44°	7.90	11.43
RCH CS 10	87" x 34" x 46"	44°	11.34	11.76
RCH CS 15	120" x 34" x 46"	44°	14.77	10.68
RCH CS 20	120" x 34" x 46"	44°	16.85	11.90
RCH CS 25	143" x 34" x 53"	44°	21.32	11.80
RCH CS 30	143" x 34" x 53"	44°	24.96	11.05
RCH CS 35	180" x 44" x 53"	44°	31.70	12.00
RCH CS 40	180" x 44" x 53"	44°	37.54	11.69
RCH CS 50	143" x 68" x 63"	44°	44.20	11.17
RCH CS 60	143" x 68" x 63"	44°	50.02	10.27
RCH CD 10	87" x 68" x 53"	44°	11.54	13.06
RCH CD 15	87" x 68" x 53"	44°	15.39	11.26
RCH CD 20	120" x 68" x 53"	44°	23.19	12.55
RCH CD 30	143" x 68" x 63"	44°	30.06	11.43
RCH CD 40	143" x 68" x 63"	44°	34.74	12.03
RCH CD 45	143" x 68" x 63"	44°	39.73	12.42
RCH CD 50	143" x 68" x 63"	44°	43.26	11.86
RCH CD 55	143" x 68" x 63"	44°	46.70	11.68
RCH CD 60	143" x 68" x 63"	44°	50.13	11.08
RCH CD 65	143" x 68" x 63"	44°	54.30	10.70
RCH CD 70	180" x 88" x 63"	44°	61.60	11.80
RCH CD 75	180" x 88" x 63"	44°	66.50	11.40
RCH CD 80	180" x 88" x 63"	44°	72.70	11.52
RCH CD 90	180" x 88" x 63"	44°	80.18	11.15
RCH CD 100	180" x 88" x 63"	44°	87.15	11.30
RCH CD 110	180" x 88" x 63"	44°	94.54	10.77
RCH CD 120	180" x 88" x 63"	44°	99.42	10.21
RCH CM 90	180" x 88" x 63"	44°	79.77	10.21
RCH CM 100	180" x 88" x 63"	44°	84.34	11.68
RCH CM 110	180" x 88" x 63"	44°	92.87	11.59
RCH CM 120	180" x 88" x 63"	44°	97.97	11.07
RCH CM 122	264" x 96" x 63"	44°	104.00	12.10
RCH CM 130	264" x 96" x 63"	44°	108.20	11.60
RCH CM 140	264" x 96" x 63"	44°	122.40	11.70
RCH CM 150	264" x 96" x 63"	44°	133.80	11.70
RCH CM 160	264" x 96" x 63"	44°	144.04	11.45
RCH CM 180	264" x 96" x 63"	44°	156.21	10.99

Unit Configuration

- Low Profile
- Base Rail Configuration
- Multiple Rigging Points
- Removable Access Panels
- Hinged Control Panel Access
- Closed Cell Polyvinyl Evaporator Insulation
- Evaporator Heater Cable with Ambient Stat
- Insulated Suction Lines
- ETL Certified Unit

Refrigerant Circuit

- Liquid Line Shut Off Valve with Charging Port
- Liquid Line Drier
- Liquid Line Sight Glass / Moisture Indicator
- “MOP” Type” Thermostatic Expansion Valve
- Oil Failure Switch on each Compressor (CS, CD, & CM units)
- High Pressure Safety Control
- Low Pressure Operating Control
- Freeze / Low Charge Control with Time Delay Circuit
- Refrigerant Operating Charge

Condenser

- Direct Drive Condenser Fans
- Epoxy Powder Coated Fan Guards
- Three Phase Motors with Permanently Lubricated Ball Bearings
- Fan Staging Head Pressure Control to +20° F
- Sub-Circuit Fan Motor Fusing with Internal Overload Motor Protector
- Fan Motor Contactor
- Plate Fin / Full Tube Collar Condenser Coils
- Baffled Condenser Plenum
- “True” Subcooling

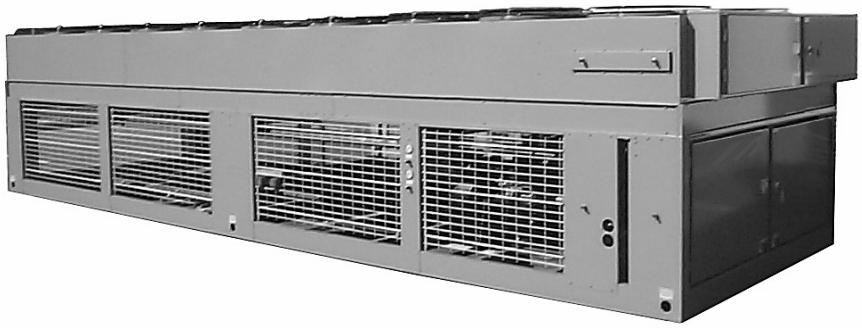
Electrical Components

- Return Water Temperature Control
- Fused Control Circuit
- Prewired Controls
- Flow Switch for Field Installation
- Auto / Demand Pumpdown Switch
- UL 508 Certified

Compressors

- Energy Efficient Copeland Discus Compressors
- Compressor Service Valves
- Internal Compressor Overload Protection
- Compressor Fusing (LD, CD & CM units)
- Compressor Contactors
- Compressor Time Delay (LD, CD, & CM units)
- Compressor Isolator Pads
- Oil Equalization System each Circuit (CM units)

Water Cooled Chillers



Model Number	Dimensions L" x W" x H"	Leaving Water Temperature	85° Ambient	
			TONS	EER**
RWCH LS 3	60" x 35" x 27"	44°	2.91	19.16
RWCH LS 5	60" x 35" x 27"	44°	4.99	16.86
RWCH LS 8	60" x 35" x 27"	44°	7.38	16.78
RWCH LS 9	60" x 35" x 27"	44°	8.63	15.87
RWCH LS 10	60" x 35" x 27"	44°	9.67	15.30
RWCH LS 13	60" x 35" x 27"	44°	12.17	15.36
RWCH LS 15	60" x 35" x 27"	44°	14.46	14.81
RWCH LD 10	70" x 35" x 36"	44°	10.09	17.27
RWCH LD 15	70" x 35" x 36"	44°	14.56	16.70
RWCH LD 18	70" x 35" x 36"	44°	17.26	15.87
RWCH LD 20	70" x 35" x 36"	44°	20.18	15.75
RWCH LD 26	70" x 35" x 36"	44°	24.86	15.61
RWCH LD 30	70" x 35" x 36"	44°	28.50	14.66
RWCH CS 5	59" x 35" x 42 1/2"	44°	6.24	18.57
RWCH CS 8	59" x 35" x 42 1/2"	44°	8.42	16.45
RWCH CS 10	62 1/2" x 35" x 42 1/2"	44°	11.65	15.01
RWCH CS 15	62 1/2" x 35" x 44 1/2"	44°	15.29	14.16
RWCH CS 20	66" x 35" x 44 1/2"	44°	17.68	16.49
RWCH CS 25	66" x 35" x 44 1/2"	44°	22.26	15.72
RWCH CS 30	66" x 35" x 44 1/2"	44°	25.58	14.28
RWCH CS 35	91" x 35" x 57"	44°	34.11	14.31
RWCH CS 40	91" x 35" x 57"	44°	40.14	15.39
RWCH CS 50	91" x 35" x 57"	44°	45.86	13.88
RWCH CS 60	91" x 35" x 57"	44°	53.35	12.95
RWCH CD 10	76" x 35" x 63"	44°	11.54	15.52
RWCH CD 15	70" x 35" x 65"	44°	16.85	16.58
RWCH CD 20	80" x 35" x 65"	44°	23.82	15327
RWCH CD 30	80" x 35" x 67"	44°	30.06	14.02
RWCH CD 40	106" x 35" x 72"	44°	37.34	17.10
RWCH CD 45	106" x 35" x 72"	44°	41.18	16.08
RWCH CD 50	106" x 35" x 82"	44°	45.66	15.99
RWCH CD 55	106" x 35" x 82"	44°	49.82	15.38
RWCH CD 60	106" x 35" x 82"	44°	53.04	14.67
RWCH CD 65	106" x 35" x 84"	44°	60.11	14.73
RWCH CD 70	106" x 35" x 84"	44°	66.04	14.04
RWCH CD 75	106" x 35" x 84"	44°	70.31	14.00
RWCH CD 80	106" x 35" x 84"	44°	76.86	14.99
RWCH CD 90	106" x 40" x 88"	44°	83.20	14.25
RWCH CD 100	106" x 40" x 91"	44°	91.21	13.82
RWCH CD 110	106" x 40" x 91"	44°	99.22	13.57
RWCH CD 120	106" x 40" x 91"	44°	105.46	12.85
RWCH CM 90	142" x 35" x 89"	44°	82.27	14.92
RWCH CM 100	142" x 35" x 89"	44°	89.23	15.05
RWCH CM 110	142" x 35" x 89"	44°	97.03	15.07
RWCH CM 120	142" x 42" x 89"	44°	102.86	14.33
RWCH CM 130	142" x 42" x 91"	44°	119.70	14.53
RWCH CM 140	142" x 42" x 91"	44°	129.90	13.64
RWCH CM 150	142" x 42" x 91"	44°	140.40	14.21
RWCH CM 160	142" x 42" x 91"	44°	148.72	14.20
RWCH CM 180	154" x 42" x 89"	44°	161.0	13.2
RWCH CM 200	154" x 42" x 89"	44°	175.0	13.2
RWCH CM 220	154" x 42" x 89"	44°	192.1	12.6
RWCH CM 240	154" x 42" x 89"	44°	207.0	12.2

Standard Features

- Narrow Profile
- Structural Supports
- Hinged Control Panel Access
- Painted Enamel Unit
- Liquid Line Shut Off Valve with Charging Port
- Oil Failure Switch/Each Compressor (CS, CD & CM Series)
- High Pressure Safety Control
- Low Pressure Operating Control
- Refrigerant Operating Charge
- Fused Control Circuit
- Prewired Controls
- Auto/Demand Pumpdown Switch
- Flow Switch (Shipped Loose)
- Manual Lead/Lag Switch (LD, CD, CM Series
- Freeze Stat - Pressure Sensing Low Pressure Safety
- Compressor Service Valves
- Energy Efficient Copeland Compressors
- Internal Compressor Overload Protection (All 3 Windings)
- Compressor Fusing (LD, CD & CM Series)
- Crankcase Heaters
- Compressor Contactors
- Time Delay Compressor Start (LD, CD & CM Series)
- Compressor Isolator Pads
- Oil Equalization system For Each Circuit (CM Series)
- MOP Expansion Valves
- NEMA 3 UL 508 Labeled Electrical Panel
- Microelectronic Return Water Temperature Control
- Replaceable Core Driers (CM Series Only)

Evaporative Condenser Chillers

Unit Configuration

- Single Piece Construction
- Base Rail Configuration
- Multiple Rigging Points
- Removable Access Panels
- Hinged Control Panel Access
- Closed Cell Polyvinyl Evaporator Insulation
- Evaporator Heater Cable with Ambient Stat
- Insulated Suction Lines
- ETL Certified Unit

Refrigerant Circuit

- Liquid Line Shut Off Valve with Charging Port
- Liquid Line Drier (Replaceable Core)
- Liquid Line Sight Glass / Moisture Indicator
- “MOP” Type” Thermostatic Expansion Valve
- High Pressure Safety Control
- Low Pressure Operating Control
- Freeze / Low Charge Control with Time Delay Circuit
- Refrigerant Operating Charge

Evaporative Condenser

- Three Phase TEFC Motors with Permanently Lubricated Ball Bearings
- Fan Motor Contactor
- Non-Clog Water Diffusers
- PVC Eliminators

Electrical Components

- Return Water Temperature Control
- Fused Control Circuit
- Prewired Controls
- Flow Switch for Field Installation
- Auto / Demand Pumpdown Switch
- UL 508 Certified
- Phase Failure Protection

Compressors

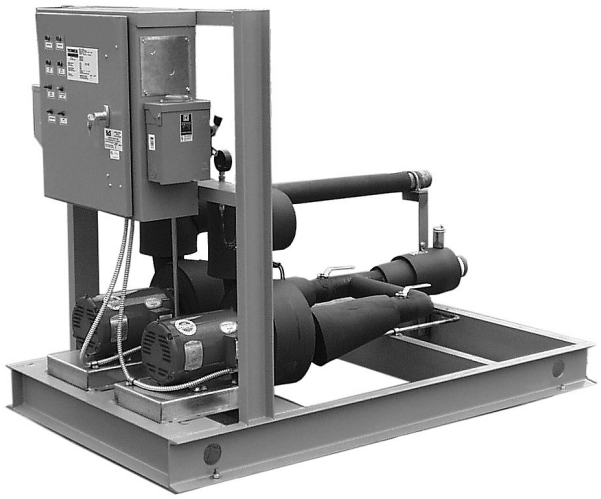
- Semi-Hermatic Screw Compressors
- Compressor Service Valves
- Compressor Overload Protection
- Compressor Fusing
- Compressor Contactors
- Compressor Time Delay
- Compressor Isolator Pads
- Oil Equalization System Each Circuit (CM units)

Model Number	Length	Width	Heigth	LWT	78° F WB		Power Source - One						Power Source - Two					
							MCA			MAX FUSE			MCA			MAX FUSE		
					Tons	KW/ Ton**	208v	230v	460v	208v	230v	460v	208v	230v	460v	208v	230v	460v
RECH SS60	120"	96"	102"	44°	69.9	0.934	282	279.0	136.4	450	450	110	–	–	–	–	–	–
RECH SD80	122"	96"	102"	44°	93.5	0.874	330	327.7	158.2	450	450	200	–	–	–	–	–	–
RECH SD120	162"	96"	102"	44°	137.7	0.914	291.2	287.8	239.8	450	450	220	253.8	253.8	123.8	450	450	200
RECH SD150	175"	96"	109"	44°	174.0	0.887	371.6	336.4	236.5	600	500	400	318.8	288.4	212.5	500	500	350
RECH SD200	248"	96"	102"	44°	197.7	0.867	390.8	353.0	241.5	600	600	400	390.8	353.0	241.5	600	600	400
RECH SM200	248"	96"	102"	44°	220.8	0.927	402.3	350.0	193.1	500	500	250	402.3	350.0	193.1	500	500	250
RECH SM240	248"	96"	102"	44°	270.4	0.967	492.2	489.0	238.9	600	600	300	492.2	489.0	238.9	600	600	300
RECH SM300	328"	96"	109"	44°	343.8	0.900	611.2	553.0	399.5	800	700	500	611.2	553.0	399.5	800	700	500

“CP” Series Pump Packages

Standard Features

- Close-coupled, end-suction, centrifugal pumps
- Mounted and wired pump starters
- Hand-Off-Auto switch for each pump
- Pump selector switch on dual pump packages only
- Mounted and wired paddle-type flow switch
- Isolation valve on suction side of pump (ball-type valve through 2 1/2” pipe size, butterfly-type valve 3” pipe size and up)
- Strainer installed on suction side of pump (wye strainer through 3”, basket strainer 4” and up)
- Vertical scale Fahrenheit thermometers
- Dial-type differential pressure gauge with shutoff valves across the pump
- Dielectric unions at each dissimilar metal connection
- 1/2” closed cell insulation on all piping and components
- Structural steel base rail configuration
- Corrosion resistant epoxy coating
- NEMA 3R hinged door control panel with UL 508 label
- Automatic switchover to standby pump based on flow or overload failure (dual pump packages only)



Model Number	Pump Quantity	Flow Range	Dimensions L" x W" x H"	Operating Weight	Total System Head (feet)4		Motor Horsepower		Pump Speed RPM	
CPS-20	1	1-20 GPM	48” x 36” x 48”	840 lbs.	50’	—	1’	—	1750	—
CPS-45	1	21-45 GPM	48” x 36” x 48”	1,140 lbs.	50’	100’	2’	5’	1750	1750
CPS-80	1	46-80 GPM	60” x 36” x 48”	1,425 lbs.	50’	100’	3’	5’	1750	3500
CPS-130	1	81-130 GPM	72” x 36” x 60”	1,620 lbs.	50’	100’	5’	7.5’	1750	3500
CPS-200	1	131-200 GPM	72” x 48” x 66”	2,040lbs.	50’	100’	5’	10’	3500	3500
CPS-350	1	201-350 GPM	84” x 48” x 66”	2,660 lbs.	50’	100’	7.5’	15’	3500	3500
CPS-600	1	351-600 GPM	96” x 60” x 72”	3,410 lbs.	50’	100’	10’	20’	3500	3500
CPS-800	1	601-800 GPM	96” x 84” x 72”	4,760 lbs.	50’	100’	15’	25’	3500	3500
CPD-20	2	1-20 GPM	48” x 42” x 48”	1,330 lbs.	50’	—	1’	—	1750	—
CPD-45	2	21-45 GPM	48” x 42” x 48”	1,470 lbs.	50’	100’	2’	5’	1750	1750
CPD-80	2	46-80 GPM	60” x 48” x 48”	1,650 lbs.	50’	100’	3’	5’	1750	3500
CPD-130	2	81-130 GPM	72” x 60” x 60”	1,955 lbs.	50’	100’	5’	7.5’	1750	3500
CPD-200	2	131-200 GPM	72” x 60” x 66”	2,285 lbs.	50’	100’	5’	10’	3500	3500
CPD-350	2	201-350GPM	84” x 60” x 66”	3,010 lbs.	50’	100’	7.5’	15’	3500	3500
CPD-600	2	351-600 GPM	96” x 84” x 72”	5,040 lbs.	50’	100’	10’	20’	3500	3500
CPD-800	2	601-800 GPM	96” x 84” x 72”	5,880 lbs.	50’	100’	15’	25’	3500	3500

Coil Products

Whether standard or custom engineered, Century Refrigeration's heat transfer coils offer the optimum in efficiency, long life, and quality design. Century Refrigeration's coils are manufactured in our facility and we take pride in putting our label on the finished product. Our experience, engineering, and commitment to excellence make Century Refrigeration a leading supplier of heat transfer coils for all your HVAC needs. Each component of a Century Refrigeration's coil is selected and engineered to provide the best and most versatile coil possible.

Series 12

Tubes:

1/2" O.D. X .017" copper tube wall thickness is standard. Tube wall thickness may be optionally provided as .025", and .032".

Fins:

Die-formed tempered aluminum, copper, or acrylic coated fins with extruded fin collars provide maximum heat transfer and accurate fin spacing. Utilizing a 1.25" equilateral triangle design in a staggered pattern, the fins are available with corrugated or flat surfaces jof .006", .008", and .010" thickness.

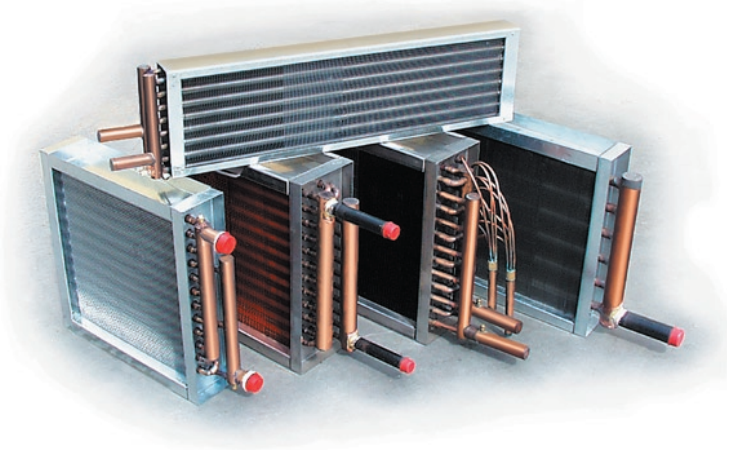
Series 58

Tubes:

5/8" O.D. X .020" copper tube wall thickness is standard. Tube wall thickness may be optionally provided as .025", .035", and .049".

Fins:

Die-formed tempered aluminum, copper, or acrylic coated fins with extruded fin collars provide maximum heat transfer and accurate fin spacing. Utilizing a 1.5" equilateral triangle design in a staggered pattern, the fins are available with corrugate or flat surfaces of .006", .008", and .010" thickness



Series 11

Tubes:

1" O.D. X .035" aluminum tube wall thickness is standard. Copper tube wall thickness may be optionally provided as a .049".

Fins:

Fins are constructed from .010" aluminum die-formed plate with a rippled-corrugated surface.

Our water coils are applicable to virtually any type of hot water, chilled water, or glycol system whether standard or custom engineered and offer the optimum in efficiency, long life, and quality design. Century Refrigeration's ARI certified coil catalog and computer selection program allow for easy selection of hot water and chilled water coils. Our programs assist you in selecting the most economically feasible coil and provides you with information on fin spacing, row selection, and complete engineering schedule data.

Our engineering staff has extensive experience in the proper application of DX coils in air conditioning systems. Our fin spacing range of 4 FPI to 14 FPI allows us an opportunity to apply low temperature coils that may freeze condensate on the coil surface or high temperature process coils. Additionally, we can provide mounted expansion valves, sideport hot gas connectors, or integrally mounted electric heaters for defrost applications.

Century Refrigeration manufactures standard steam and steam distributing coils. Coils may be provided with same end or opposite end connections. Coils are pitched in the case to allow for proper condensate drainage.

Condenser coils are available with single and or multiple circuits for any condensing or high particulate areas. Condenser coils may incorporate special or unique circuiting to exactly match the coil it is replacing. Integral or separate subcooling coils may be designed into the coil.

Century Refrigeration designs and engineers our coils for corrosive atmospheres, unique configurations, and special component packages. Century Refrigeration is an applications-oriented manufacturer of coils. Our engineering group prides itself on being able to understand your application, then translate that understanding into a design that will satisfy your needs.

Booster Coils

Model Number Nomenclature **58B 12 X 12 -10 - 1 - W E R - A**

- 5/8" O.D. Tubing
- Booster Coil, B = Duct Flanges, BS = Slip & Drive
- Finned Height x Finned Length
- Fins Per Inch
- Rows Deep
- Waffled Fin
- Connection Size — A = 3/4" MPT, B = 1" MPT, C = 1 1/4" MPT
- Right Hand
- Circuiting — E = 1 Tube Feed, J = 2 Tube Feed, H = Half, Q = Quarter

Part Number	Model Number	EAT	LAT	TOTAL BTUH	APD	EWT	LWT	WD
100	58B 6 X 6-10-1 WER-A	55°	73.1	3,930	.16"	180	160	.07'
101	58B 6 X 9-10-1 WER-A	55°	76.2	6,900	.16"	180	160	.20'
102	58B 6X12-10-1 WER-A	55°	78.1	10,000	.16"	180	160	.39'
103	58B 6X15-10-1 WER-A	55°	79.2	13,140	.16"	180	160	.66'
104	58B 6X18-10-1 WER-A	55°	80.1	16,320	.16"	180	160	1.00'
105	58B 9 X 9-10-1 WER-A	55°	78.7	11,560	.16"	180	160	.60'
106	58B 9X12-10-1 WER-A	55°	80.1	16,320	.16"	180	160	1.14'
107	58B 9X15-10-1 WER-A	55°	81.1	21,130	.16"	180	160	1.87'
108	58B 9X18-10-1 WER-A	55°	81.6	26,000	.16"	180	160	2.82'
109	58B 12X12-10-1 WER-A	55°	81.2	22,750	.16"	180	160	2.42'
110	58B 12X15-10-1 WER-A	55°	82.1	29,240	.16"	180	160	3.90'
111	58B 12X18-10-1 WER-A	55°	82.5	35,750	.16"	180	160	5.77'
112	58B 12X24-10-1 WJR-A	55°	81.2	45,510	.16"	180	160	1.91'
113	58B 12X30-10-1 WJR-A	55°	82.1	58,470	.16"	180	160	3.12'
114	58B 12X36-10-1 WJR-A	55°	82.5	71,500	.16"	180	160	4.65'
115	58B 15X18-10-1WJR-A	55°	81.1	42,280	.16"	180	160	1.76'
116	58B 15X24-10-1WJR-A	55°	82.1	58,470	.16"	180	160	3.31'
117	58B 15X30-10-1WJR-A	55°	82.6	74,770	.16"	180	160	5.39'
118	58B 15X36-10-1WJR-A	55°	83.2	91,140	.16"	180	160	8.02'
119	58B 18X18-10-1WQR-B	55°	80.1	78,970	.16"	180	160	1.00'
120	58B 18X24-10-1WQR-B	55°	81.2	68,260	.16"	180	160	1.91'
121	58B 18X30-10-1WQR-B	55°	82.1	87,710	.16"	180	160	3.12'
122	58B 8 X36-10-1WQR-B	55°	82.5	107,260	.16"	180	160	4.65'
123	58B 18X42-10-1WQR-B	55°	82.9	126,880	.16"	180	160	6.53'
124	58B 18X48-10-1WQR-B	55°	83.2	146,550	.16"	180	160	8.76'
125	58B 24X24-10-1WQR-C	55°	81.2	91,020	.16"	180	160	1.91'
126	58B 24X30-10-1WQR-C	55°	82.1	116,940	.16"	180	160	3.12'
127	58B 24X36-10-1WQR-C	55°	82.5	143,010	.16"	180	160	4.65'
128	58B 24X48-10-1WQR-C	55°	83.2	195,400	.16"	180	160	8.76'
200	58B 6 X 6-10-2WER-A	55°	95.2	8,780	.33"	180	160	.41'
201	58B 6 X 9-10-2WER-A	55°	98.9	14,290	.33"	180	160	1.02'
202	58B 6 X12-10-2WER-A	55°	100.8	19,880	.33"	180	160	1.90'
203	58B 6 X15-10-2WER-A	55°	102.1	25,510	.33"	180	160	3.06'
204	58B 6 X18-10-2WER-A	55°	102.9	31,170	.33"	180	160	4.52'
205	58B 9 X 9-10-2WER-A	55°	101.5	22,680	.33"	180	160	2.94'
206	58B 9 X12-10-2WER-A	55°	102.9	31,160	.33"	180	160	5.37'
207	58B 9 X15-10-2WER-A	55°	103.8	39,690	.33"	180	160	8.56'
208	58B 9 X18-10-2WJR-A	55°	101.5	45,380	.33"	180	160	2.20'
209	58B 12X12-10-2WJR-A	55°	100.8	39,750	.33"	180	160	1.90'
210	58B 12X15-10-2WJR-A	55°	102.1	51,020	.33"	180	160	3.06'
211	58B 12X18-10-2WJR-A	55°	102.9	62,340	.33"	180	160	4.52'
212	58B 12X24-10-2WJR-A	55°	104.1	85,080	.33"	180	160	8.34'
213	58B 12X30-10-2WHR-A	55°	102.1	102,040	.33"	180	160	2.44'
214	58B 12X36-10-2WHR-A	55°	102.9	124,680	.33"	180	160	3.64'
215	58B 15X18-10-2WHR-B	55°	98.6	71,440	.33"	180	160	.79'
216	58B 15X24-10-2WHR-B	55°	100.8	99,390	.33"	180	160	1.49'
217	58B 15X30-10-2WHR-B	55°	102.1	127,550	.33"	180	160	2.44'
218	58B 15X36-10-2WHR-B	55°	102.9	155,850	.33"	180	160	3.64'
219	58B 18X18-10-2WQR-C	55°	102.9	93,510	.33"	180	160	4.52'
220	58B 18X24-10-2WQR-C	55°	104.1	127,620	.33"	180	160	8.34'
221	58B 18X30-10-2WHR-C	55°	102.1	153,060	.33"	180	160	2.44'
222	58B 18X36-10-2WHR-C	55°	102.9	187,020	.33"	180	160	3.64'
223	58B 18x42-10-2WHR-C	55°	103.5	221,090	.33"	180	160	5.10'
224	58B 18x48-10-2WHR-C	55°	104.1	255,240	.33"	180	160	6.84'
225	58B 21X30-10-2WHR-C	55°	102.1	178,570	.33"	180	160	2.44'
226	58B 21X36-10-2WHR-C	55°	102.9	218,800	.33"	180	160	3.64'
227	58B 21X48-10-2WHR-C	55°	104.1	297,780	.33"	180	160	6.84'
228	58B 24X24-10-2WQR-C	55°	104.1	170,160	.33"	180	160	8.34'
229	58B 24X30-10-2WHR-C	55°	102.1	204,080	.33"	180	160	2.44'
230	58B 24X36-10-2WHR-C	55°	102.9	249,350	.33"	180	160	3.64'
231	58B 24X48-10-2WHR-C	55°	104.1	340,320	.33"	180	160	6.84'

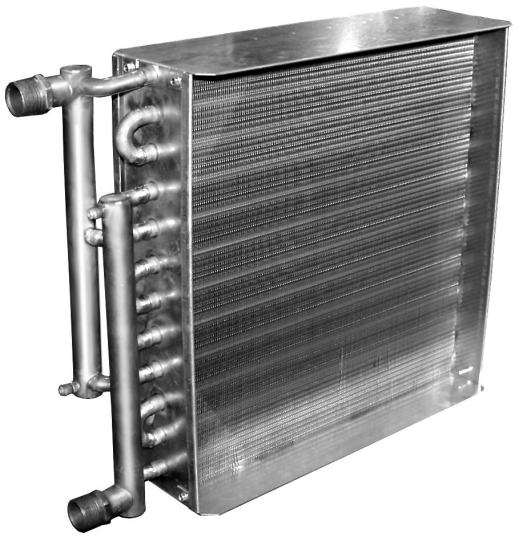
Notes: Above information is for 180°.

In models with 1 row (100s): For 200°, add 5.5° to Leaving Air Temperature. For 160°, subtract 5.5° from LAT.

In models with 2 rows (200s): For 200°, add 9.5° to Leaving Air Temperature. For 160°, subtract 9.5° from LAT.

Slip & Drive Booster Coils

Part Number	Model Number	EAT	LAT	TOTAL BTUH	APD	EWT	LWT	WD
300	58BS6X6-10-1WER	55°	73.1	3,930	.16"	180°	160°	.07'
301	58BS6X9-10-1WER	55°	76.2	6,900	.16"	180°	160°	.20'
302	58BS6X12-10-1WER	55°	78.1	10,000	.16"	180°	160°	.39'
303	58BS6X15-10-1WER	55°	79.2	13,140	.16"	180°	160°	.66'
304	58BS6X18-10-1WER	55°	80.1	16,320	.16"	180°	160°	1.00'
305	58BS9X9-10-1WER	55°	78.7	11,560	.16"	180°	160°	.60'
306	58BS9X12-10-1WER	55°	80.1	16,320	.16"	180°	160°	1.14'
307	58BS9X15-10-1WER	55°	81.1	21,130	.16"	180°	160°	1.87'
308	58BS9X18-10-1WER	55°	81.6	26,000	.16"	180°	160°	2.82'
309	58BS12X12-10-1WER	55°	81.2	22,750	.16"	180°	160°	2.42'
310	58BS12X15-10-1WER	55°	82.1	29,240	.16"	180°	160°	3.90'
311	58BS12X18-10-1WER	55°	82.5	35,750	.16"	180°	160°	5.77'
312	58BS12X24-10-1WJR	55°	81.2	45,510	.16"	180°	160°	1.91'
313	58BS12X30-10-1WJR	55°	82.1	58,470	.16"	180°	160°	3.12'
314	58BS12X36-10-1WJR	55°	82.5	71,500	.16"	180°	160°	4.65'
315	58BS15X18-10-1WJR	55°	81.1	42,280	.16"	180°	160°	1.76'
316	58BS15X24-10-1WJR	55°	82.1	58,470	.16"	180°	160°	3.31'
317	58BS15X30-10-1WJR	55°	82.6	74,770	.16"	180°	160°	5.39'
318	58BS15X36-10-1WJR	55°	83.2	91,140	.16"	180°	160°	8.02'
319	58BS18X18-10-1WQR	55°	80.1	78,970	.16"	180°	160°	1.00'
320	58BS18X24-10-1WQR	55°	81.2	68,260	.16"	180°	160°	1.91'
321	58BS18X30-10-1WQR	55°	82.1	87,710	.16"	180°	160°	3.12'
322	58BS8X36-10-1WQR	55°	82.5	107,260	.16"	180°	160°	4.65'
323	58BS18X42-10-1WQR	55°	82.9	126,880	.16"	180°	160°	6.53'
324	58BS18X48-10-1WQR	55°	83.2	146,550	.16"	180°	160°	8.76'
325	58BS24X24-10-1WQR	55°	81.2	91,020	.16"	180°	160°	1.91'
326	58BS24X30-10-1WQR	55°	82.1	116,940	.16"	180°	160°	3.12'
327	58BS24X36-10-1WQR	55°	82.5	143,010	.16"	180°	160°	4.65'
328	58BS24X48-10-1WQR	55°	83.2	195,400	.16"	180°	160°	8.76'
400	58BS6X6-10-2WER	55°	95.2	8,780	.33"	180°	160°	.41'
401	58BS6X9-10-2WER	55°	98.9	14,290	.33"	180°	160°	1.02'
402	58BS6X12-10-2WER	55°	100.8	19,880	.33"	180°	160°	1.90'
403	58BS6X15-10-2WER	55°	102.1	25,510	.33"	180°	160°	3.06'
404	58BS6X18-10-2WER	55°	102.9	31,170	.33"	180°	160°	4.52'
405	58BS9X9-10-2WER	55°	101.5	22,680	.33"	180°	160°	2.94'
406	58BS9X12-10-2WER	55°	102.9	31,160	.33"	180°	160°	5.37'
407	58BS9X15-10-2WER	55°	103.8	39,690	.33"	180°	160°	8.56'
408	58BS9X18-10-2WJR	55°	101.5	45,380	.33"	180°	160°	2.20'
409	58BS12X12-10-2WJR	55°	100.8	39,750	.33"	180°	160°	1.90'
410	58BS12X15-10-2WJR	55°	102.1	51,020	.33"	180°	160°	3.06'
411	58BS12X18-10-2WJR	55°	102.9	62,340	.33"	180°	160°	4.52'
412	58BS12X24-10-2WJR	55°	104.1	85,080	.33"	180°	160°	8.34'
413	58BS12X30-10-2WHR	55°	102.1	102,040	.33"	180°	160°	2.44'
414	58BS12X36-10-2WHR	55°	102.9	124,680	.33"	180°	160°	3.64'
415	58BS15X18-10-2WHR	55°	98.6	71,440	.33"	180°	160°	.79'
416	58BS15X24-10-2WHR	55°	100.8	99,390	.33"	180°	160°	1.49'
417	58BS15X30-10-2WHR	55°	102.1	127,550	.33"	180°	160°	2.44'
418	58BS15X36-10-2WHR	55°	102.9	155,850	.33"	180°	160°	3.64'
419	58BS18X18-10-2WQR	55°	102.9	93,510	.33"	180°	160°	4.52'
420	58BS18X24-10-2WQR	55°	104.1	127,620	.33"	180°	160°	8.34'
421	58BS18X30-10-2WHR	55°	102.1	153,060	.33"	180°	160°	2.44'
422	58BS18X36-10-2WHR	55°	102.9	187,020	.33"	180°	160°	3.64'
423	58BS18x42-10-2WHR	55°	103.5	221,090	.33"	180°	160°	5.10'
424	58BS18x48-10-2WHR	55°	104.1	255,240	.33"	180°	160°	6.84'
425	58BS21X30-10-2WHR	55°	102.1	178,570	.33"	180°	160°	2.44'
426	58BS21X36-10-2WHR	55°	102.9	218,800	.33"	180°	160°	3.64'
427	58BS21X48-10-2WHR	55°	104.1	297,780	.33"	180°	160°	6.84'
428	58BS24X24-10-2WQR	55°	104.1	170,160	.33"	180°	160°	8.34'
429	58BS24X30-10-2WHR	55°	102.1	204,080	.33"	180°	160°	2.44'
430	58BS24X36-10-2WHR	55°	102.9	249,350	.33"	180°	160°	3.64'
431	58BS24X48-10-2WHR	55°	104.1	340,320	.33"	180°	160°	6.84'



Coil Construction

* 5/8” O.D. Smooth Wall Copper Tubing
* .020” Tube Wall Thickness
* .008” Corrugated Aluminum Plate Fin
* 16 Gauge Galvanized Steel Casing
* Slip and Drive Casing

Order Entry Procedure

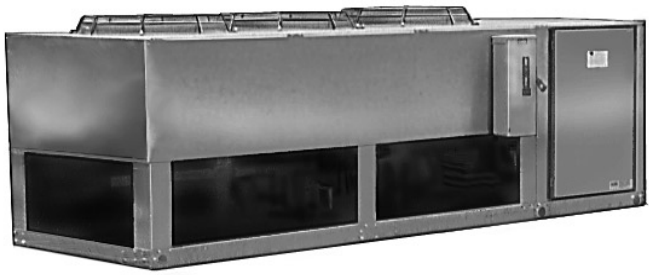
* Specify quantities required
* Order by Part Number (not model number)
* Each coil will be individually cartoned. If bulk crating is acceptable, please indicate on order entry.
* Continual engineering and research for product improvement may result in design and specification changes. Consult factory if certified drawings are required.

Note: Due to this being a stocking product line, there will be no exceptions to sizes or any changes allowed.

Note: (*) Capacity is based on entering air temperature of 55° and an entering water temperature of 180° with a face velocity of 800 FPM.

“D” Series Condensing Units

The "D" Series Outdoor air Cooled Condensing Units are specifically designed for commercial and industrial refrigeration duty cooling applications. They come completely prepiped and wired with low profile and vertical air discharge. They also utilize a unique horizontal condenser and coil design and high volume condenser fans, and each unit is provided with a separate subcooling circuit to maximize unit performance. The D series condensing unit is suitable for mounting at ground level or rooftop.



DS and DD

R-404a						R-22					
Model Number	MCA		Ambient Temp. 95°F			Model Number	MCA		Ambient Temp. 95°F		
	208/230v	460v	Suction Temp. -10°F	Suction Temp. 20°F	Suction Temp. 45°F		208/230v	460v	Suction Temp. -10°F	Suction Temp. 20°F	Suction Temp. 45°F
DS 05 H4	31.2	14.6	25,751	48,685	75,099	DS 05 H2	30.6	15.0			
DS 08 H4	45.7	20.3	39,698	71,250	109,585	DS 08 H2	45.7	20.6			
DS 09 H4	57.0	27.7	47,372	82,323	126,345	DS 09 H2	58.6	28.3			
DS 10 H4	60.2	27.6	56,149	99,071	150,755	DS 10 H2	60.9	29.2			
DS 12 H4	70.8	34.5	70,348	124,135	190,523	DS 12 H2	72.4	35.1			
DS 15 H4	85.0	41.3	77,278	135,019	205,106	DS 15 H2	85.7	42.8			
DS 20 H4	93.0	47.0	76,851	142,192	217,239	DS 20 H2	94.5	47.3			
DS 25 H4	118.0	59.4	100,760	183,808	277,406	DS 25 H2	119.3	60.3			
DS 30 H4	132.8	66.1	120,738	219,286	334,608	DS 30 H2	134.4	67.7			
DS 35 H4	153.5	76.5	153,730	274,746	420,115	DS 35 H2	155.2	77.6			
DS 40 H4	Note 1	98.4	182,377	320,793	477,617	DS 40 H2	Note 1	99.3			
DD 10 H4	31.2	14.6	51,686	98,189	152,039	DD 10 H2	30.6	15.0			
DD 16 H4	45.7	20.4	78,849	140,450	214,531	DD 16 H2	45.7	20.6			
DD 18 H4	57.0	27.6	94,645	164,295	251,727	DD 18 H2	58.6	28.3			
DD 20 H4	60.2	27.6	112,595	199,177	304,070	DD 20 H2	60.9	29.2			
DD 24 H4	70.8	34.5	140,246	246,443	376,894	DD 24 H2	72.4	35.1			
DD 30 H4	85.0	41.3	154,063	267,711	405,022	DD 30 H2	85.7	42.8			
DD 40 H4	93.0	47.0	152,871	281,888	428,525	DD 40 H2	94.5	47.3			
DD 50 H4	118.1	59.4	201,886	368,822	557,536	DD 50 H2	119.3	60.3			
DD 60 H4	132.8	66.1	241,479	439,069	670,092	DD 60 H2	134.4	67.7			
DD 70 H4	148.9	74.2	305,151	540,724	819,867	DD 70 H2	150.6	75.3			
DD 80 H4	Note 2	98.4	360,129	625,283	920,746	DD 80 H2	Note 2	102.2			
DS 03 L4	24.3	11.6				DS 03 L2	24.2	11.7			
DS 04 L4	36.2	14.3				DS 04 L2	36.3	14.4			
DS 06 L4	39.3	14.3				DS 06 L2	40.2	14.4			
DS 07 L4	36.5	16.7				DS 07 L2	37.3	16.7			
DS 08 L4	42.7	21.6				DS 08 L2	43.4	22.2			
DS 09 L4	54.5	23.8				DS 09 L2	55.8	25.4			
DS 10 L4	58.2	26.0				DS 10 L2	59.8	27.5			
DS 11 L4	58.2	29.1				DS 11 L2	59.8	29.2			
DS 15 L4	71.5	35.5				DS 15 L2	73.6	36.1			
DS 22 L4	93.0	46.3				DS 22 L2	95.1	46.9			
DS 27 L4	116.3	57.8				DS 27 L2	118.4	58.4			
DS 30 L4	134.8	67.1				DS 30 L2	137.0	68.7			
DD 12 L4	39.3	14.3				DD 12 L2	40.2	14.4			
DD 14 L4	36.5	16.7				DD 14 L2	37.3	16.7			
DD 16 L4	42.7	21.6				DD 16 L2	43.4	22.2			
DD 18 L4	54.5	23.8				DD 18 L2	55.8	25.4			
DD 20 L4	58.2	26.0				DD 20 L2	59.8	27.5			
DD 22 L4	58.2	29.1				DD 22 L2	59.8	29.2			
DD 30 L4	71.5	35.5				DD 30 L2	73.6	36.1			
DD 44 L4	93.0	46.3				DD 44 L2	95.1	46.9			
DD 54 L4	116.3	57.8				DD 54 L2	118.4	58.4			
DD 60 L4	134.8	67.2				DD 60 L2	137.0	68.7			

Note 1: MCA 208v = 209 230v = 199 Note 2: MCA 208v = 233 230v = 215

“D” Series Condensing Units

The DM Series condensing units can be applied between the operating saturated suction temperatures of -40°F and 45°F depending on the unit selected and the refrigerant utilized. Each DM Series unit is designed to meet the demands of multiple load applications required for commercial and industrial refrigeration.

DM Series condensing units can be matched with the Century Refrigeration A Series medium profile unit coolers, BOC Series large profile unit coolers, or the PFE blast freezer coils. Applications ranging from low temperature product storage, produce ripening or medium temperature product storage are readily supported. The DM units bridge the gap between individual systems and large multiple compressor rack systems for the warehouse industry as well.

Refrigerants 404A, 507C, and 22 are available. POE oils, as required, can be supplied and managed to provide a dependable large tonnage condensing unit to meet today's rapidly changing market place.

D Series Standard Features

- Direct Drive Condenser Fans
- * Liquid Receiver with Relief Valve
- Receiver Inlet and Outlet Valves
- Refrigerant Charging Valve
- High Pressure Safety
- Low Pressure Operating Control
- Crankcase Heater
- Poly-Coated Fan Guard
- Compressor Contactor & Overload Protection
- Vibration Isolation Under Compressor
- Separate Sub-Cooling Circuit
- Fan Motor Contactor & Overload Protection
- Removable Access Panels
- NEMA 3R Weatherproof Electrical Panel
- Prewired Controls
- Hinged Control Panel Access
- Rigging Holes
- Compressor Service Valves
- Discharge Vibrasorber
- Oil Failure Control
- Low Profile
- Run/Pumpdown Switch

Model Number Nomenclature

D M 05 H 4

Compressor Type
- C = Carlyle
- D = Discus
- R = Reed
- Z = Other

Number of Compressors
- S = Single
- D = Dual
- M = Multiple

Nominal Horsepower

Refrigerant Type
- 2 = R22
- 4 = R404a

Temperature Range
- H = High
- M = Medium
- L = Low

DM

R-404a					
Model Number	MCA		Ambient Temp. 95°F		
	208/230v	460v	Suction Temp. -10°F	Suction Temp. 20°F	Suction Temp. 45°F
DM 45 H4	221.3	108.1	232,574	407,668	621,511
DM 60 H4	244.1	122.0	229,556	423,902	645,475
DM 75 H4	304.0	152.0	302,007	550,218	829,149
DM 90 H4	342.3	171.2	360,108	650,420	984,501
DM 105 H4	384.6	192.3	461,190	824,238	1,260,344
DM 120 H4	Note 3	258.4	546,636	959,208	1,427,545
DM 45 L4	198.6	99.3			
DM 66 L4	242.1	121.1			
DM 81 L4	290.2	145.1			
DM 90 L4	338.3	169.2			

R-22					
Model Number	MCA		Ambient Temp. 95°F		
	208/230v	460v	Suction Temp. -10°F	Suction Temp. 20°F	Suction Temp. 45°F
DM 45 H2	221.3	108.1			
DM 60 H2	244.1	122.0			
DM 75 H2	304.0	152.0			
DM 90 H2	342.3	171.2			
DM 105 H2	384.6	192.3			
DM 120 H2	Note 4	258.4			
DM 45 L2	198.6	99.3			
DM 66 L2	242.1	121.1			
DM 81 L2	290.2	145.1			
DM 90 L2	338.3	169.2			

Note 1: MCA 208v = 209 230v = 199 Note 2: MCA 208v = 233 230v = 215

“LUI / LUO” Series

Standard Features

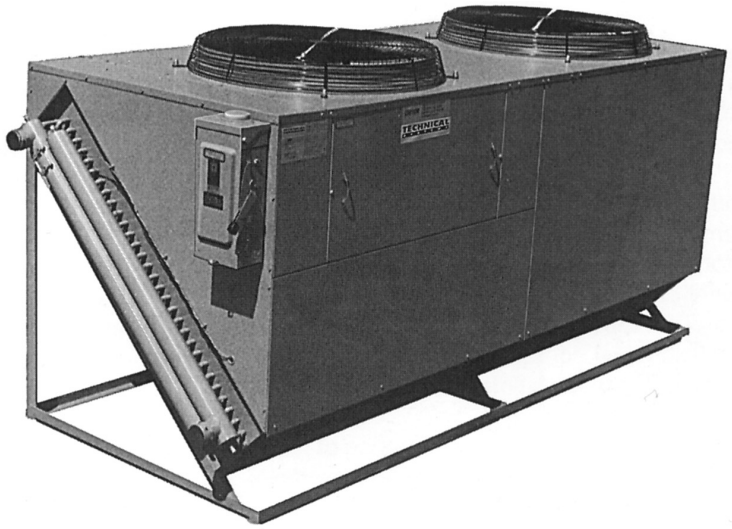
- Dependable Hi-Efficiency Scroll Compressor
- Direct Drive Condenser Fans
* Liquid Receiver with Relief Valve
- Receiver Inlet and Outlet Valves
- Refrigerant Charging Valve
- High Pressure Safety
- Low Pressure Operating Control
- Crankcase Heater
- Corrosion Resistant Fan Guard
- Compressor Contactor & Overload Protection
- Fan Motor Overload Protection
- Removable Access Panels
- NEMA 3R Weatherproof Electrical Panel
- Prewired Controls
- Hinged Control Panel Access
- Compressor Service Valves
- Low Profile
- Run/Pumpdown Switch
- Designed for Refrigerant - 404a
- Liquid Injection Kit (on XL models only)

Model Number	Dimensions L" X W" X H"	Unit MCA		Ambient Temp °F 95° Capacity		
		208/230V 3ø	460V 3ø	20°	45°	
LUO/LUI 2.02H	38" x 35" x 33 1/8"	15.0	15.0	15,433	25,221	
LUO/LUI 2.52H	38" x 35" x 33 1/8"	15.0	15.0	19,222	30,478	
LUO/LUI 3.02H	38" x 35" x 33 1/8"	15.6	15.0	22,091	34,764	
LUO/LUI 3.52H	38" x 35" x 33 1/8"	18.7	15.0	26,397	42,159	
LUO/LUI 4.04H	48" x 35" x 33 1/8"	20.0	15.0	30,400	49,195	
LUO/LUI 5.02H	48" x 35" x 33 1/8"	25.4	15.0	38,879	62,172	
LUO/LUI 6.02H	48" x 35" x 33 1/8"	27.9	15.0	46,429	72,575	
LUO/LUI 7.52H	48" x 35" x 33 1/8"	35.0	18.9	57,550	89,934	
LUO/LUI 9.02H	48" x 35" x 33 1/8"	43.7	22.3	68,628	106,846	

Model Number	Dimensions L" X W" X H"	Unit MCA		Ambient Temp °F 95°		
		208/230V 3ø	460V 3ø	Low Temp. 0°	Low Temp. -20°	XL Temp. -40°
LUO/LUI 3.04	38" x 35" x 33 1/8"	13.0	6.9	15,333	10,466	6,687
LUO/LUI 3.54	38" x 35" x 33 1/8"	16.0	8.7	18,232	12,588	8,189
LUO/LUI 4.04	48" x 35" x 33 1/8"	17.8	9.5	20,882	14,287	9,452
LUO/LUI 5.04	48" x 35" x 33 1/8"	25.0	11.8	25,811	17,868	11,640
LUO/LUI 6.04	48" x 35" x 33 1/8"	28.6	11.8	31,976	21,822	14,067
LUO/LUI 10.04	48" x 35" x 33 1/8"	57.0	27.4	53,230	36,601	23,030

Fluid Coolers

Model Number		Dimensions L" x W" x H"	60/50/40** MBH
RFC2	RFC2-19	30" x 40" x 35"	8.5*
	RFC2-24	30" x 40" x 35"	9.8*
	RFC2-31	30" x 40" x 35"	14.0*
	RFC2-37	30" x 40" x 35"	15.5*
	RFC2-42	30" x 40" x 35"	32.4
RFC4	RFC4-41	60" x 40" x 35"	30.4
	RFC4-52	60" x 40" x 35"	38.8
	RFC4-66	60" x 40" x 35"	25.0*
	RFC4-78	60" x 40" x 35"	27.4*
	RFC4-85	60" x 40" x 35"	57.5
	RFC4-92	60" x 40" x 35"	62.5
	RFC4-100	60" x 40" x 35"	70.2
RFC12	RFC12-105	49" x 41 1/4" x 50"	72.3
	RFC12-113	49" x 41-1/4" x 50"	84.9
	RFC12-119	49" x 41-1/4" x 50"	86.8
	RFC12-127	49" x 41-1/4" x 50"	92.9
	RFC12-133	49" x 41-1/4" x 50"	90.6
RFC24	RFC24-142	98" x 41-1/4" x 50"	90.1
	RFC24-159	98" x 41-1/4" x 50"	101.2
	RFC24-175	98" x 41-1/4" x 50"	111.0
	RFC24-195	98" x 41-1/4" x 50"	130.8
	RFC24-219	98" x 41-1/4" x 50"	148.2
	RFC24-241	98" x 41-1/4" x 50"	161.7
	RFC24-253	98" x 41-1/4" x 50"	169.1
	RFC24-269	98" x 41-1/4" x 50"	183.1
	RFC24-281	98" x 41-1/4" x 50"	195.3
RFC36	RFC36-295	147" x 41-1/4" x 50"	1198.2
	RFC36-332	147" x 41-1/4" x 50"	223.7
	RFC36-362	147" x 41-1/4" x 50"	245.1
	RFC36-392	147" x 41-1/4" x 50"	115.9*
	RFC36-410	147" x 41-1/4" x 50"	280.1
	RFC36-432	147" x 41-1/4" x 50"	294.5
RFC48	RFC48-460	196" x 41-1/4" x 50"	113.0*
	RFC48-494	196" x 41-1/4" x 50"	115.6*
	RFC48-508	196" x 41-1/4" x 50"	343.2
	RFC48-548	196" x 41-1/4" x 50"	386.6
	RFC48-573	196" x 41-1/4" x 50"	395.0
	RFC48-597	196" x 41-1/4" x 50"	418.2
RFC72	RFC72-670	147" x 82-1/2" x 50"	498.0
	RFC72-735	147" x 82-1/2" x 50"	225.1*
	RFC72-785	147" x 82-1/2" x 50"	231.8*
	RFC72-821	147" x 82-1/2" x 50"	560.1
	RFC72-864	147" x 82-1/2" x 50"	589.0
RFC96	RFC96-921	196" x 82-1/2" x 50"	226.0*
	RFC96-989	196" x 82-1/2" x 50"	231.2*
	RFC96-1016	196" x 82-1/2" x 50"	686.5
	RFC96-1096	196" x 82-1/2" x 50"	737.2
	RFC96-1142	196" x 82-1/2" x 50"	773.7
	RFC96-1195	196" x 82-1/2" x 50"	836.5



Features

Cabinets are rigidly constructed of steel members for great strength and durability. All sheet metal is galvanized per specification ASTM-A-525 Grade G90.

Plate fin coils employ 5/8" copper tubes in a staggered configuration for maximum heat transfer. Copper tubes are expanded into and permanently bond with the aluminum fins for maximum conductance through each fin. Each coil is optimally circuited for minimum solution pressure drop.

Fans are sized to provide proper air flow through each coil. They are direct-drive propeller type fans with steel hubs and blades. Vertical air discharge through a formed venturi minimizes noise generation and air recirculation

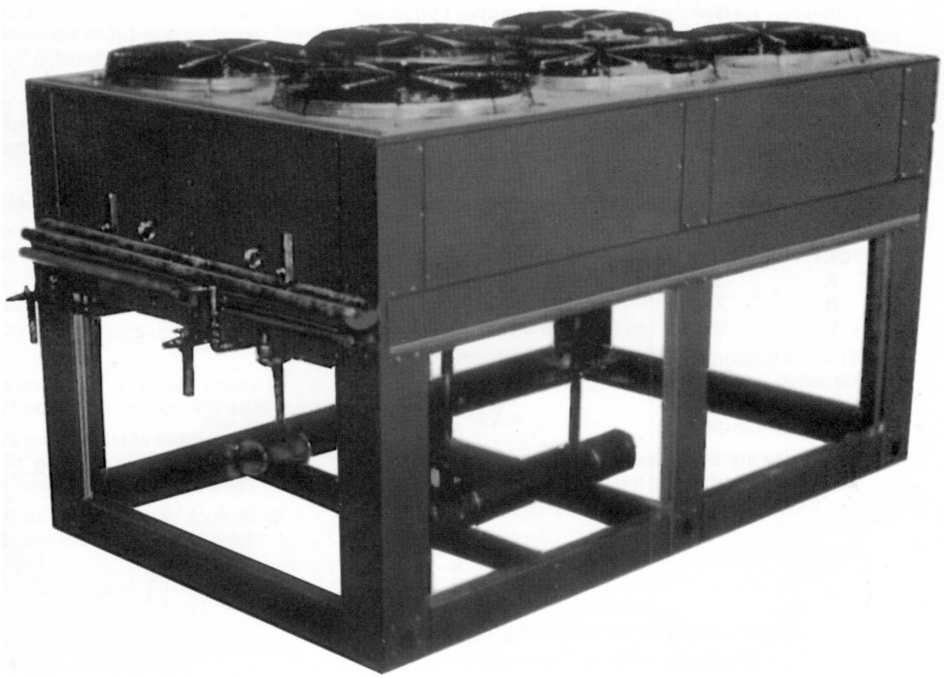
Motors are three phase 1140 RPM specifically designed for vertical shaft, direct-drive fan application and utilize permanently lubricated ball bearings. Corrosion resistant 3/8" diameter steel rod mounting brackets do not restrict air flow and help to eliminate vibration.

* Pressure drop @ 3 GPM/circuit,
115°F avg. fluid temperature,
40% Ethlene glycol.

** Ent. sol. Temp/Lvg. sol. Temp/Ambient -°F.

Pressure drop is given in ft. of water head.

“PFC” Series Condensers



Model Number	Dimensions L" x W" x H"	BTUH/1°
PFC-4	32" x 34" x 40"	1,852
PFC-5	32" x 34" x 40"	2,334
PFC-6	32" x 34" x 40"	2,952
PFC-8	51" x 34" x 40"	3,810
PFC-9	51" x 34" x 40"	4,228
PFC-10	51" x 34" x 40"	4,652
PFC-11	51" x 34" x 40"	5,377
PFC-14	86 1/2" x 34" x 40"	6,816
PFC-18	86 1/2" x 34" x 40"	8,701
PFC-21	110" x 34" x 40"	10,512
PFC-28	110" x 34" x 40"	13,531
PFC-34	86 1/2" x 68" x 53"	16,616
PFC-37	86 1/2" x 68" x 53"	18,386
PFC-42	110" x 68" x 63"	21,023
PFC-47	110" x 68" x 63"	23,281
PFC-55	110" x 68" x 63"	27,063
PFC-68	144 1/2" x 88" x 63"	33,986
PFC-76	144 1/2" x 88" x 63"	37,864
PFC-84	180" x 88" x 63"	41,862
PFC-92	180" x 88" x 63"	45,967
PFC-112	264" x 98" x 63"	55,676
PFC-136	264" x 98" x 63"	67,810
PFC-150	264" x 98" x 63"	75,001
PFC-162	264" x 98" x 63"	80,962

Applications

Century Refrigeration Air Cooled Condensers are designed for commercial and industrial applications The PFC Series, for outdoor applications, utilizes R-22 refrigerant. It comes completely piped and wired, featuring a low profile and vertical air discharge. It also utilizes a unique horizontal condenser coil design and high volume condenser fans. The Century design is unaffected by wind direction or extreme weather conditions.

Standard Features

Cabinet

Cabinets are constructed entirely of mill galvanized sheet steel panels and formed structural members. All panels are removable for access and service.

Motors

Motors are industrial duty 1140 RPM, ball bearing, weather resistant, three-phase with inherent electrical protection.

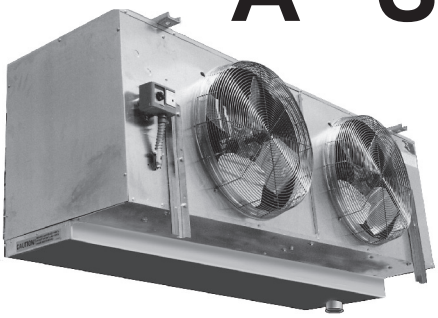
Fans

Fans are of heavy duty steel with a corrosion resistant coating.

Condenser Coils

Condenser coils are of seamless copper tube with die-stamped aluminum plate fins, galvanized steel frames and tube sheets.

“A” Series Unit Coolers



Air Defrost - Cooler Applications Above +35°F

- 38 models available 17,934 to 160,639 BTUH
- Fin spacing at 5, 6, or 8 per inch

Electric Defrost - Cooler/Freezer applications to -30°F operating room temperature

- 45 models available 10,332 to 128,869 BTUH
- Fin spacing at 4, 5, or 6 per inch
- 60 to 70 feet air throw
- Insulated drain pan and adjustable defrost termination/fan delay is

AIR DEFROST			
Model Number	Width*	CFM	+45°
510-140	46"	3,270	20,087
510-153	46"	3,930	“A’
510-185	46"	3,170	26,542
510-206	46"	3,784	29,555
520-281	76"	6,540	40,316
520-307	76"	7,860	“A’
520-371	76"	6,340	53,228
520-413	76"	7,568	57,154
530-422	106"	9,810	60,560
530-461	106"	11,790	“A’
530-556	106"	9,510	79,842
530-620	106"	11,352	88,,953
540-745	136"	12,680	106,958
540-830	136"	15,208	119,082
540-925	136"	15,920	132,712
610-150	46"	3,260	22,135
610-164	46"	3,880	“A’
610-193	46"	3,050	28,482
610-212	46"	3,760	31,285
620-301	76"	6,520	44,419
620-328	76"	7,760	“A’
620-387	76"	6,100	57,110
620-424	76"	7,520	62,570
630-451	106"	9,780	66,555
630-492	106"	11,640	“A’
630-581	106"	9,150	85,739
630-636	106"	11,280	93,855
640-779	136"	12,200	114,958
640-852	136"	15,040	125,730
640-978	136"	15,536	144,324
810-165	46"	3,160	24,800
810-208	46"	2,950	31,263
820-330	76"	6,320	49,600
820-417	76"	5,900	62,678
830-495	106"	9,480	74,401
830-626	106"	8,850	94,091
840-839	136"	11,800	126,105
840-1050	136"	15,132	157,819
Not rated for use in this range.			

ELECTRIC DEFROST					
Model Number	Width*	CFM	-40°	0°	+25°
410-126	46"	3,310	10,332	13,860	15,372
410-137	46"	4,030	11,234	15,070	16,715
410-169	46"	3,220	13,520	18,590	20,618
410-185	46"	3,810	15,170	20,350	22,570
420-253	76"	6,630	20,746	27,830	30,866
420-275	76"	8,060	22,500	30,250	33,550
420-338	76"	6,440	27,716	37,180	41,236
420-371	76"	7,620	30,422	40,810	45,262
430-379	106"	9,940	31,078	41,690	46,238
430-413	106"	12,090	33,866	45,430	50,386
430-507	106"	9,750	41,574	55,770	61,854
430-556	106"	11,430	45,592	61,160	67,832
440-679	136"	12,970	55,678	74,690	82,838
440-745	136"	15,240	61,090	81,950	90,890
440-841	136"	16,120	68,962	92,510	102,602
510-140	46"	3,270	12,054	16,170	17,934
510-153	46"	3,930	13,173	17,672	19,600
510-185	46"	3,170	15,929	21,368	23,699
510-206	46"	3,784	17,737	23,793	26,389
520-281	76"	6,540	24,194	32,456	35,996
520-307	76"	7,860	26,433	35,459	39,327
520-371	76"	6,340	31,943	42,851	47,525
520-413	76"	7,568	35,559	47,702	52,905
530-422	106"	9,810	36,343	48,753	54,071
530-461	106"	11,790	36,692	53,246	59,054
530-556	106"	9,510	47,915	64,276	71,288
530-620	106"	11,352	53,382	71,610	79,422
540-745	136"	12,680	64,188	86,105	95,499
540-830	136"	15,208	71,463	95,865	106,323
540-925	136"	15,920	79,643	106,838	118,493
610-150	46"	3,260	Not rated for use in this range.	17,820	19,754
610-164	46"	3,880		19,483	21,609
610-193	46"	3,050		22,928	25,430
610-212	46"	3,760		25,186	27,933
620-301	76"	6,520		35,759	39,660
620-328	76"	7,760		38,966	43,217
620-387	76"	6,100		45,976	50,992
620-424	76"	7,520		50,371	55,869
630-451	106"	9,780		53,578	59,424
630-492	106"	11,640		58,450	64,826
630-581	106"	9,150		69,023	76,533
630-636	106"	11,280		75,555	83,799
640-779	136"	12,200		92,545	102,641
640-852	136"	15,040		101,548	112,269
640-978	136"	15,536		116,186	128,869

*All units are 26" deep and 30 15/16" tall.

“BALV” Series Unit Coolers

Air, Electric, or Hot Gas Defrost

- 4,000 to 20,000 CFM
- 16,000 to 152,000 BTUH

	Model Number	Dimensions L x W x H	Fans Qty.	CFM	Evaporating Temperature °F	
					0°	+25°
4 FPI	410-175	56 1/4" x 52 1/2" x 23 1/4"	1	3,975	16,100	17,870
	410-211	56 1/4" x 52 1/2" x 23 1/4"	1	3,890	19,410	21,540
	420-349	96 1/4" x 52 1/2" x 23 1/4"	2	7,950	32,100	35,640
	420-422	96 1/4" x 52 1/2" x 23 1/4"	2	7,785	38,820	43,090
	430-523	136 1/4" x 52 1/2" x 23 1/4"	3	11,925	48,120	53,410
	430-633	136 1/4" x 52 1/2" x 23 1/4"	3	11,675	58,240	64,650
	440-698	176 1/4" x 52 1/2" x 23 1/4"	4	15,900	64,220	71,280
	440-844	176 1/4" x 52 1/2" x 23 1/4"	4	15,560	77,650	86,190
	450-872	216 1/4" x 52 1/2" x 23 1/4"	5	19,870	80,220	89,040
	450-1055	216 1/4" x 52 1/2" x 23 1/4"	5	19,460	97,060	107,740
5 FPI	510-197	56 1/4" x 52 1/2" x 23 1/4"	1	3,950	18,130	20,120
	510-236	56 1/4" x 52 1/2" x 23 1/4"	1	3,863	21,710	24,100
	520-393	96 1/4" x 52 1/2" x 23 1/4"	2	7,896	36,160	40,140
	520-472	96 1/4" x 52 1/2" x 23 1/4"	2	7,725	43,420	48,200
	530-590	136 1/4" x 52 1/2" x 23 1/4"	3	11,844	54,280	60,250
	530-709	136 1/4" x 52 1/2" x 23 1/4"	3	11,588	65,230	72,410
	540-786	176 1/4" x 52 1/2" x 23 1/4"	4	15,792	72,310	80,260
	540-945	176 1/4" x 52 1/2" x 23 1/4"	4	15,450	86,940	96,500
	550-983	216 1/4" x 52 1/2" x 23 1/4"	5	19,740	90,440	100,400
	550-1180	216 1/4" x 52 1/2" x 23 1/4"	5	19,313	108,560	120,500
6 FPI	610-209	56 1/4" x 52 1/2" x 23 1/4"	1	3,921	19,230	21,350
	610-251	56 1/4" x 52 1/2" x 23 1/4"	1	3,832	23,090	25,630
	620-417	96 1/4" x 52 1/2" x 23 1/4"	2	7,841	28,260	42,580
	620-502	96 1/4" x 52 1/2" x 23 1/4"	2	664	46,180	51,260
	630-626	136 1/4" x 52 1/2" x 23 1/4"	3	11,762	57,590	63,920
	630-752	136 1/4" x 52 1/2" x 23 1/4"	3	11,496	69,180	76,790
	640-834	176 1/4" x 52 1/2" x 23 1/4"	4	15,682	76,730	85,170
	640-1003	176 1/4" x 52 1/2" x 23 1/4"	4	15,328	92,280	102,430
	650-1043	216 1/4" x 52 1/2" x 23 1/4"	5	19,603	95,960	106,520
	650-1254	216 1/4" x 52 1/2" x 23 1/4"	5	19,160	115,370	128,060
8 FPI	810-229	56 1/4" x 52 1/2" x 23 1/4"	1	3,863	Not rated for use in this range.	23,390
	810-266	56 1/4" x 52 1/2" x 23 1/4"	1	3,735		27,160
	820-457	96 1/4" x 52 1/2" x 23 1/4"	2	7,725		46,670
	820-532	96 1/4" x 52 1/2" x 23 1/4"	2	7,469		54,330
	830-636	136 1/4" x 52 1/2" x 23 1/4"	3	11,588		70,050
	830-800	136 1/4" x 52 1/2" x 23 1/4"	3	11,204		81,700
	840-915	176 1/4" x 52 1/2" x 23 1/4"	4	15,450		93,440
	840-1056	176 1/4" x 52 1/2" x 23 1/4"	4	14,938		108,760
	850-1143	216 1/4" x 52 1/2" x 23 1/4"	5	19,313		116,720
	850-1331	216 1/4" x 52 1/2" x 23 1/4"	5	18,673		135,920

Applications

- Meat Cutting / Prep Rooms
- Holding / Packing Rooms
- Florist Boxes
- High Humidity - Low TD

Features

- Low Air Velocity
- Two Way Air Throw
- Prewired, Thermal Protected Motors
- Ceiling Flush Mount Design
- Hinged Drain Pan

Options

- Electric Defrost
- Hot Gas Defrost
- Insulated Drain Pans
- Stainless Steel Hardware
- Stainless Steel Drain pan
- Stainless Steel Cabinet
- Acrycoat or Copper Fins

“BOC” Series Unit Coolers

Air Defrost
- For cooler applications above +35°F
- 24 models available 93,062 to 256,200 BTUH
- Fin spacing at 4, 5, 6, or 8 per inch
- 95 to 105 feet air throw

Electric Defrost
- For cooler/freezer applications to -30°F operating room temperature
- 18 models available 62,550 to 226,900 BTUH
- Fin spacing at 4, 5, or 6 per inch
- 95 to 105 feet air throw
- Insulated drain pan and adjustable defrost termination/fan delay is standard

Cabinet
Cabinets are made of heavy gauge, rust-proof smooth finish aluminum housing. All hardware is corrosion resistant. Full die-formed venturies minimize noise with maximum air throw. Fan guards are heavy gauge wire basket type coated for corrosion protection.

Model Number	Width	CFM	-40°	0°	+30°
420-800	106”	14,600	62,550	83,908	94,587
420-904	106”	15,800	71,832	96,630	108,624
430-1046	136”	20,688	85,850	115,157	129,813
430-1216	136”	22,650	99,800	133,843	150,877
440-1395	176”	27,500	114,395	153,500	173,000
440-1621	176”	30,200	132,922	178,400	201,100
520-889	106”	14,300	68,720	92,180	103,912
520-997	106”	15,500	78,500	105,270	118,669
530-1150	136”	20,100	94,300	126,500	142,600
530-1325	136”	22,050	108,700	145,778	164,331
540-1533	176”	26,800	125,760	168,000	190,100
540-1767	176”	29,400	144,894	194,300	219,100
620-912	106”	13,600		94,723	106,779
620-1067	106”	15,200		111,012	125,141
630-1200	136”	19,350		132,000	148,800
630-1395	136”	21,600		153,450	172,980
640-1600	176”	25,800		176,000	198,400
640-1860	176”	28,800		204,600	230,600
820-1006	106”	13,500			116,064
820-1145	106”	15,000			134,490
830-1280	136”	19,050			158,720
830-1550	136”	21,450			192,200
840-1707	176”	25,400			211,600
840-2067	176”	28,600			256,200

*All units are 34" deep and 42 5/8" tall.

Coil
Coils are copper tube, full collared die-formed aluminum plate fin and tube sheets. Tubes are mechanically expanded for maximum heat transfer. Coils are leak tested at 350 psig under water. Solder and flare type distributors have removable nozzles. Each nozzle is sized for the specified refrigerant and temperature range. All coils require external equalized expansion valve. Expansion valve is located within the cabinet. The expansion valve compartment is heated during the defrost cycle on electric defrost models.

Fans
Fans have heavy duty steel blades and hubs, statically and dynamically balanced for smooth operation. They are selected for maximum air throw.

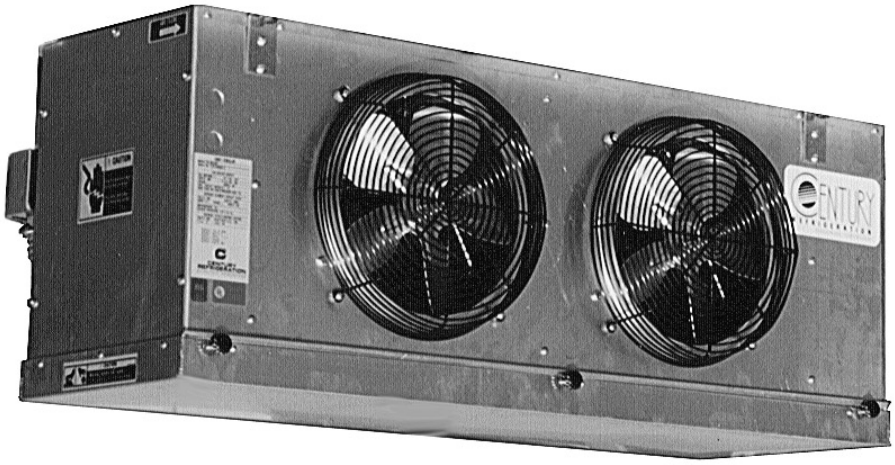
Motors
Motors are permanently lubricated and suitable for low temperature applications. Motors are heavy duty, high efficiency, full ball bearing and have internal thermal overloads. Fan motors are pre-wired to terminal blocks.

Refrigerants
All coils are designed for use with many refrigerants.

Electric Defrost models include pre-wired terminal blocks, low watt density heaters, housed internal to the coil for a rapid and efficient defrost. Lower coil and drain pan heater provides fast and reliable condensate drain. Standard operating control includes an adjustable defrost termination with fan delay.

Mounting
The standard mounting configuration is ceiling hung, but optional floor mounting is available.

“FH” Series Unit Coolers



Model Number[1]		Dimension	Capacity (BTUH) at 10° TD[2] Saturated Suction Temperature (°F)		Fans
		Width	0°	25°	CFM
4 FPI Coils	FH 420-63	42 3/4"	6,300	6,678	1,250
	FH 420-79	42 3/4"	7,900	8,374	1,230
	FH 430-95	59 3/4"	9,500	10,070	1,875
	FH 430-122	59 3/4'	12,200	12,932	1,845
	FH 440-160	75 3/4"	16,000	16,960	2,460
	FH 450-202	92 3/4"	20,200	21,412	3,075
	FH 460-240	108 3/4"	24,000	25,440	3,690
5 FPI Coils	FH 520-74	42 3/4"	7,400	7,844	1,220
	FH 520-96	42 3/4"	9,600	10,176	1,210
	FH 530-114	59 3/4"	11,400	12,084	1,830
	FH 530-146	59 3/4'	14,600	15,476	1,815
	FH 540-192	75 3/4"	19,200	20,352	2,420
	FH 550-240	92 3/4"	24,000	25,440	3,025
	FH 560-288	108 3/4"	28,800	30,528	3,630
6 FPI Coils	FH 620-83	42 3/4"	8,300	8,798	1,210
	FH 620-106	42 3/4"	10,600	11,236	1,20
	FH 630-126	59 3/4"	12,600	13,356	1,815
	FH 630-161	59 3/4'	16,100	17,066	1,800
	FH 640-213	75 3/4"	21,300	22,578	2,400
	FH 650-267	92 3/4"	26,700	28,302	3,000
	FH 660-317	108 3/4"	31,700	33,602	3,600
8 FPI Coils **	FH 820-92	42 3/4"	9,200	9,752	1,200
	FH 820-118	42 3/4"	11,800	12,508	1,170
	FH 830-140	59 3/4"	14,000	14,840	1,800
	FH 830-180	59 3/4'	18,000	19,080	1,755
	FH 840-238	75 3/4"	23,800	25,228	2,340
	FH 850-300	92 3/4"	30,000	31,800	2,925
	FH 860-355	108 3/4"	35,500	37,630	3,510

*All units are 15 3/4" deep and 15 7/8" tall.

Applications

- Walk-in Coolers / Freezers
- Beverage Boxes / Produce Storage
- Air Defrost
  28 selections
  6,678 to37,985 BTUH
  4, 5, 6, and 8 FPI Coils
- Electric Defrost
  21 Selections
  6,174 to 33,919 BTUH
  4, 5, and 6 FPI Coils

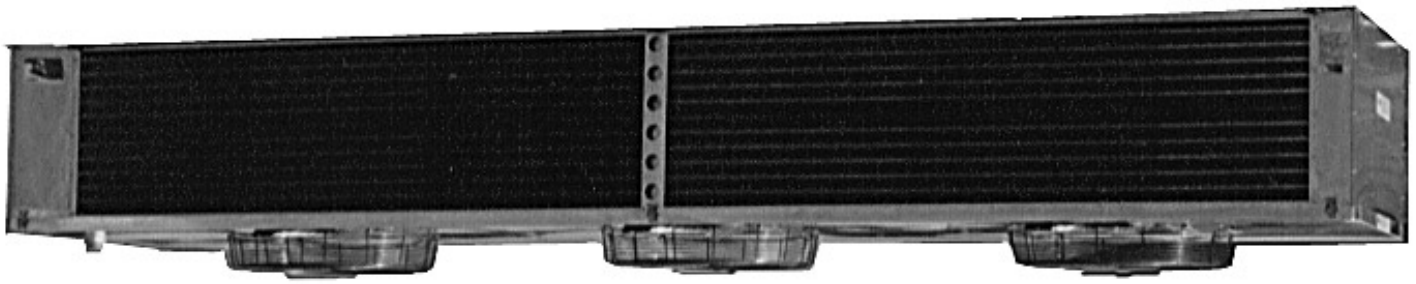
Features

- Permanently lubricated motors, low noise level fnas for high, medium, and low temperature refrigeation applications
- 4, 5, 6, and 8 PFPI spacing for accurate matching of loads
- Easy access to controls, motors, and wiring.
- Ceiling flush mount design
- Hinged drain pans

Options

- High Efficiency PSC Motors
- Electric Defrost
- Hot Gas Defrost
- Insulated Drain Pans
- Heated Drain Pans

“FV” Series Unit Coolers



Cabinet

Cabinets are made of heavy gauge, rust-proof smooth finish aluminum housing. All hardware is corrosion resistant. Full die-formed venturies minimize noise with maximum air throw. Fan guards are heavy gauge wire basket type coated for corrosion protection. Units mount flush to the ceiling for ease of wash down, no difficult areas above the unit to clean.

Coil

Coils are copper tube, full collared die-formed aluminum plate fin and tube sheets. Tubes are mechanically expanded for maximum heat transfer. Coils are leak tested at 175 psig under water. Flare connection type distributors have removable nozzles. Each nozzle is sized for the specified refrigerant and temperature range. All coils require external equalized expansion valve. Expansion valve is located within the cabinet. The expansion valve compartment is heated during the defrost cycle on electric defrost models.

Fans

Fans have heavy duty aluminum blades, statically and dynamically balanced for smooth operation. They are selected for quiet operation and maximum air throw.

Motors

Motors are permanently lubricated and suitable for low temperature applications. All motors are thermally protected, 1550 RPM.

Refrigerants

All coils are designed for use with refrigerants R-22 and R-404a. Specify which refrigerant when ordering.

Electrical

Factory preqired to terminal blocks located on end of unit.

Defrost

Standard unit is suitable for air defrost applications (above 32°F room). Electric defrost models (below 32°F room) are available. Removable, low watt density resistance heaters, prewired with termination and fan delay controls.

Drain Pan

Drain Pans are hinged fr ease of access and cleaning.

Model Number	Dimensions L" x W" x H"			Capacity (BTUH) at 10°TD2			CFM
				Saturated Suction Temperature (°F)			
				20°	35°	50°	
FV 20-50	58”	28 7/8”	9”	5,450	5,875	6,320	950
FV 20-74	58”	28 7/8”	10 1/2”	8,066	8,695	9,354	1,200
FV 30-100	82”	28 7/8”	10 1/2”	10,900	11,750	12,640	1,825
FV 30-135	82”	28 7/8”	12”	14,715	15,863	17,064	2,175
FV 40-195	102”	28 7/8”	12”	21,255	22,913	24,648	3,390
FV 40-275	102”	28 7/8”	15”	29,975	32,313	34,760	4,500

“HPC / VPC” Product Coolers

Applications

- Product Storage (above 32°F)
- Processing Rooms
- Ripening Rooms
- Bulk / Palletized Storages

Sizes

- Six Sizes
  1,710 - 20,630 BTU/˚FTD
  3,200 - 31,290 CMF
- Direct Expansion & Glycol Coils
- Air Defrost
- Halocarbon Refrigerants

Construction

Models HPC/VPC - 80 and 120 are single fan design mounted on solid tempered steel shaft. Outboard bearings are flange type, with lubrication fittings. Fan shafts are coated with a rust resistant sealer after assembly.

Models HPC/VPC - 160 thru 447 are dual fan design mounted on advance technology tubular shafts. Outboard bearing design eliminates alignment problems associated with multiple inboard bearings that require center bearing structural members which hinder air flow patterns.

Model	Dimensions L x W x H		CFR	Capacity (BTUH) / °F TD(1) Wet Surface			Capacity (BTUH) / °F TD(2) Dry Surface		
	HPC	VPC		4 ROW	6 ROW	8 ROW	4 ROW	6 ROW	8 ROW
HPC/VPC 80	51 1/2 x 47 1/8 x 34 3/4	51 1/2 x 41 3/4 x 68 1/2	4,400	2,373	3,134	3,668	2,431	3,213	3,737
HPC/VPC 120	61 x 53 1/8 x 40 3/4	61 x 47 3/4 x 80 1/2	6,600	3,564	4,716	5,502	3,658	4,832	5,605
HPC/VPC 160	90 x 47 1/8 x 34 3/4	90 x 41 3/4 x 68 1/2	8.800	4,755	6,288	7,325	4,874	6,438	7,474
HPC/VPC 218	100 x 53 1/8 x 40 3/4	100 x 47 3/4 x 80 1/2	11,990	6,469	8,556	9,986	6,632	8,771	10,187
HPC/VPC 375	133 x 60 1/8 x 49 3/4	133 x 54 3/4 x 96 1/2	20,625	11,130	14,718	17,172	11,423	15,090	17,517
HPC/VPC 447	147 x 64 5/8 x 52 3/4	147 x 59 1/4 x 104	24,585	13,261	17,545	20,458	13,606	17,981	20,873

(1) Based on 550 FPM coil face velocity.
(2) Based on 700 FPM coil face velocity.

Data required to calculate expanded ratings:

1. Total Required Capacity (BTUH)
2. Design Room Temperature (°F DB / °F WB)
3. Design Room Humidity (% RH)
4. Operating Temperature Difference
   (Temperature difference between room design and saturated suction temperature.)
5. Maximum Fins Per Inch
6. Maximum Face Velocity
   (For wet applications, limit coil face velocity to 550 FPM.)
7. External Static Pressure (Inch / WG)

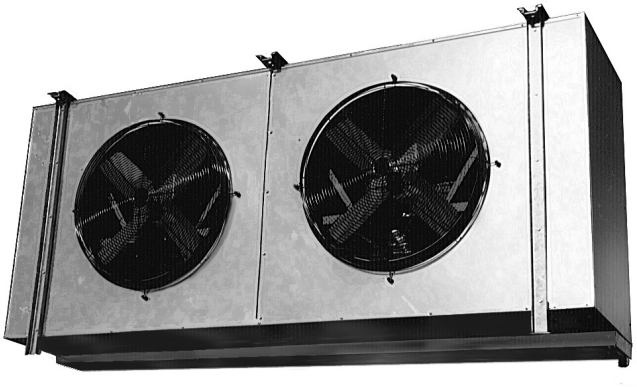
“PFE” Series Unit Coolers

PFE Unit Coolers for blast freezer and wet cooler applications are designed to meet the rigors of the industrial refrigeration market. Cabinets are designed with corrosion resistant G-90 mill galvanized sheet metal. Cabinet structure is designed for ceiling or stacked floor mounting. Drain pans are insulated aluminum with factor supplied drain connection.

Optimum air flow and static requirements are efficiently addressed with the 28" heavy duty, efficient airfoil cast aluminum fan blade configuration, and fan icing is kept to a minimum due to the draw-through design.

Industrial duty three-phase, permanently luricated fan motors with ball bearings are provided in either 1 1/2 horsepower (1140 RPM motors) or 3 horsepower (1750 RPM motors) selections to meet the most demanding static requirements.

PFE unit coolers are suplied with high efficiency, custom circuited heat transfer coils. Coils are manufactured with copper tubes and aluminum fins. Six, eight, and ten row coils are available. Five-fin-per-inch coils are available for blast chilling applications and four-fin-per-inch coils are available for blast freezing applications.



Defrosting of the coils may be accomplished by electric defrost , air defrost, or 3 pipe hot gas defrost. The electric defrost is accomplished by chromate heaters designed specifically for the application. Heater location facilitates rapid defrost with less down time and quicker recovery. Air defrost may be used on blast chiller applications with less than 16 hours of run time per day and five (5) fin per inch coils. Hot gas defrost may be used on chiller freezer applications and is supplied with hot gas defrost drain pan.

DRY SURFACE 3 HP 1,750 RPM Fans			
Model Number		0° External Static	
		CFM	BTUH @ -20 SST
1 Fan 61" wide	PFE 410-52-6	11,510	51,580
	PFE 410-60-8	10,840	59,630
	PFE 410-67-10	10,360	67,370
	PFE 510-57-6	11,280	56,860
	PFE 510-66-8	10,550	65,580
	PFE 510-72-10	10,030	71,820
2 Fans 106" wide	PFE 420-103-6	23,030	103,150
	PFE 420-119-8	21,680	119,250
	PFE 420-135-10	20,710	134,740
	PFE 520-114-6	22,570	113,720
	PFE 520-131-8	21,100	131,150
	PFE 520-144-10	20,060	143,640
3 Fans 136" wide	PFE 430-145-6	33,450	144,140
	PFE 430-166-8	30,980	166,300
	PFE 430-187-10	29,430	187,330
	PFE 530-158-6	32,670	157,570
	PFE 530-182-8	30,090	181,730
	PFE 530-198-10	28,330	198,210
4 Fans 176" wide	PFE 440-192-6	44,600	192,190
	PFE 440-222-8	41,310	221,740
	PFE 440-250-10	39,240	249,770
	PFE 540-210-6	43,560	210,100
	PFE 540-242-8	40,120	242,310
	PFE 540-264-10	37,770	264,280

DRY SURFACE 1.5 HP 1,140 RPM Fans			
Model Number		0° External Static	
		CFM	BTUH @ -20 SST
1 Fan 61" wide	PFE 410-45-6	9,250	45,310
	PFE 410-53-8	8,780	53,250
	PFE 410-59-10	8,380	58,740
	PFE 510-49-6	9,110	49,460
	PFE 510-57-8	8,560	57,480
	PFE 510-62-10	8,140	62,210
2 Fans 106" wide	PFE 420-91-6	18,,510	90,610
	PFE 420-107-8	17,550	106,510
	PFE 420-117-10	16,860	117,480
	PFE 520-99-6	18,210	98,910
	PFE 520-115-8	17,130	114,970
	PFE 520-124-10	16,270	124,420
3 Fans 136" wide	PFE 430-128-6	27,020	127,600
	PFE 430-148-8	25,140	147,970
	PFE 430-163-10	23,800	163,260
	PFE 530-140-6	26,330	140,060
	PFE 530-160-8	24,410	159,880
	PFE 530-173-10	23,300	172,860
4 Fans 176" wide	PFE 440-170-6	36,020	170,220
	PFE 440-197-8	33,520	197,290
	PFE 440-218-10	31,730	217,680
	PFE 540-187-6	35,110	186,750
	PFE 540-213-8	32,540	213,170
	PFE 540-230-10	30,670	230,480

WET SURFACE 1.5 HP 1,140 RPM Fans			
Model Number		0° External Static	
		CFM	BTUH @ 25 SST
1 Fan 61" wide	PFE 410-56-6	8,930	56,110
	PFE 410-65-8	8,380	65,440
	PFE 410-72-10	7,930	71,570
	PFE 510-61-6	8,690	60,930
	PFE 510-70-8	8,040	69,710
	PFE 510-75-10	7,610	74,970
2 Fans 106" wide	PFE 420-112-6	17,870	112,220
	PFE 420-131-8	16,760	130,890
	PFE 420-143-10	15,860	143,150
	PFE 520-122-6	17,390	121,850
	PFE 520-139-8	16,070	139,420
	PFE 520-150-10	15,230	149,950
3 Fans 136" wide	PFE 430-157-6	25,820	156,670
	PFE 430-181-8	23,800	181,140
	PFE 430-198-10	22,350	197,910
	PFE 530-169-6	24,850	168,980
	PFE 530-193-8	22,680	192,800
	PFE 530-207-10	21,350	207,210
4 Fans 176" wide	PFE 440-209-6	34,430	208,890
	PFE 440-242-8	31,730	241,510
	PFE 440-264-10	29,800	263,890
	PFE 540-225-6	33,140	225,310
	PFE 540-257-8	30,240	257,070
	PFE 540-276-10	28,470	276,270

*All units are 39 1/4" deep and 51 5/8" tall.

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