



1/4 Ton to 200 Ton Air-Cooled and Water Cooled Chillers

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

Packaged Air-Cooled Chillers

Air-cooled chillers can be used in various industrial applications, including medical, brewery, laboratories, injection molding, and more.



Packaged Water-Cooled Chillers

Water-cooled chillers are commonly used in large industrial applications, including manufacturing and food processing.



Split System Air-Cooled Chillers

Split system chillers are a unique alternative for companies whose application environments cannot accommodate traditional packaged systems.



Pre-Plumbed Tank Systems with Pumps

Our selection of tanks, pumps, controls and alarms, plus complete engineering support from system design to plant layout drawings, assure you of the correct system for the industry.



Secondary Heat Exchangers

Secondary heat exchangers are available in brazed plate, plate and frame, barrels, and coaxial. Secure them as a stand-alone system or combine with our chiller, tank, and pump packages.



Stock Chillers

Stock chillers are able to ship quickly and are at a discounted price. All items in stock ship within 1-2 days of receiving a signed purchase order.



Industries Served

- Brewery
- Dairy
- Food Processing
- Medical
- Cannabis
- Comfort Cooling
- Refrigeration
- Low Temperature
- Industrial

Why Drake?

- 1/4 ton to 200 tons air-cooled and water-cooled chillers
- Technical site review and needs assessment
- Custom engineering for specific industries
- Outstanding after-sale technical support

Drake Chillers is the industry leader in the design and manufacturing of industrial process chillers. With a vast arsenal of tools and configurations, Drake has the knowledge and brainpower to tackle even the most sophisticated cooling needs. From varying loads and narrow temperature bands to high and low ambient conditions, Drake builds systems that focus on one goal: to keep your equipment running.

www.drakechillers.com



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**AIR COOLED CHILLER
SELECTION PROCEDURE &
GLYCOL TABLES**

Air Cooled Selection Procedures

To properly select a air cooled packaged chiller, the following information must be known.

1. The required cooling capacity, BTUH.
2. Entering and leaving process fluid temperatures.
3. GPM of process fluid to be circulated
4. Design ambient air temperature.

If you know any two of the items 1 through 3 above you can calculate the third by using the formulas below.

For 100% water:

$$\text{Cooling capacity (in BTUH)} = \text{GPM} \times \text{Delta T} \times 500$$

$$\text{GPM} = \frac{\text{Capacity (in BTUH)}}{\text{Delta T} \times 500}$$

$$\text{Delta T} = \frac{\text{Capacity (in BTUH)}}{\text{GPM} \times 500}$$

Sample selection :

Select a air cooled packaged chiller to cool 6.5 GPM of 100% water from 54°F to 44°F.
Design ambient air temperature 95°F.

Find :

- A) Air cooled chiller model

Solution :

- A) 1. Chilled fluid Delta T = 54°F - 44°F = 10°F
- 2. Capacity (in BTUH) = 6.5 GPM x 10°F Delta T x 500 = 32,500 BTUH
- 3. From the PAC chiller capacity tables, it can be determined that the PAC30S has the capacity to meet the requirements.

Contact Drake directly (888-289-7299) for assistance with applications using glycol or any fluid other than water

Propylene Glycol Capacity Correction Factor Table

Percent Propylene Glycol by Weight	15%	20%	25%	30%	35%	40%	50%
Freezing Point In °F	24°	18°	15°	9°	5°	- 5°	- 30°
*Capacity Factor Multiplier	0.992	0.986	0.972	0.960	0.950	0.928	0.878
Pressure Drop Multiplier	1.04	1.08	1.13	1.21	1.26	1.47	2.79

Ethylene Glycol Capacity Correction Factor Table

Percent Ethylene Glycol by Weight	10%	15%	20%	25%	30%	35%	40%
Freezing Point In °F	25°	21°	17°	11°	5°	0°	- 10°
*Capacity Factor Multiplier	0.98	0.96	0.95	0.93	0.92	0.91	0.89
Pressure Drop Multiplier	1.08	1.11	1.16	1.21	1.27	1.32	1.38

* At standard ARI 590 conditions: 54°F entering fluid temperature, 44°F leaving fluid temperature, 95°F ambient temperature, 0.0005 fouling



How To Select The Right Chiller



Understanding the industry is the key to selecting the proper chiller in terms of price and performance. Not only should the chiller performance meet your needs, it should not include options and features that are not needed. By understanding your industry, Drake can assist you in getting the best Chiller that fits your needs. Of course no on-line tool or form can handle every situation, so if you need more assistance, please contact Drake at 888-289-7299.

1. Industries Served

Brewery: Dairy: Food Processing: Medical:
 Cannabis: Comfort Cooling: Refrigeration: Low Temperature:
 Industrial: Other: _____

2. Load & Cooling Fluid Temps.

Inlet Temp: °F Cooling Capacity = (Inlet - Outlet) * Flow Rate * 500 = : BTU/hr
 Outlet Temp: °F Other Information:
 Flow Rate: GPM

3. Condenser Cooling Method

Air Cooled: or Water Cooled:
 Max Ambient Air: (Std = 95°F) (air cooled only) °F Condenser Entering Fluid Temp. (water cooled only) °F
 Elevation (when above 3000 ft.):

4. Split or Packaged

Packaged (Smallest Footprint): Split System: Condensing Unit Style:

5. Fluid to be Processed

Water:
 Propylene Glycol Mix: % Ethylene Glycol Mix: %
 Other: %

6. Available Electrical

Electrical Requirements (Voltage/Phase/Hertz):
 / /

7. Tank Selections

Process Chiller / Recirculation Tank: (to absorb variations and for capacity/temp control) Storage/Once Through Tank: (for fluid volume only)
Tank Type: Polyethylene: (open loop systems only) Stainless Steel:
 No Tank:

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

Continued on next page

How To Select The Right Chiller (Continued)

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES



Basic Controls: Remote Controls:
 Linked to Building System: Protocol (eg. BACnet MSTP)

Unit Runs Continuously:
 Unit Runs Intermittently in Full and Off:
 Load Varies During Operation: Minimum Load: %

What is the **Lowest** Ambient Operation Temperature the Chiller will be Running? (air cooled only)

Process Pumps: Yes No
 Pressure Drop: **psi** Pump VFD: (with tank only)
 Dual Pumps / Manual Changeover: Dual Pumps / Auto Changeover:

Electrical Upgrades
 Fused Disconnect: Installed 115V Service Outlet:
 Compressor Fusing: Circuit Breakers:

Tank / Pump Upgrades: *(Available on units with tanks or pumps only):*
 Tank Low Level Alarm with Dry Contacts: Low Flow By Pass: City Water Change Over Panel:
 Pressure Gauges: Flow Meters:

Condenser Protections:
 Heresite™ Coating: Gold Fins: Copper Fins:

Other Options:
 EEV: Evap. Heat Tape: Secondary HX:
 Powder Coating: NEMA4 Elec Box: Other:

Send to: drakesales@drakechillers.com - or - Fax to: 215-638-5518

Company Name: _____
 Contact Name: _____
 Phone/Email: _____



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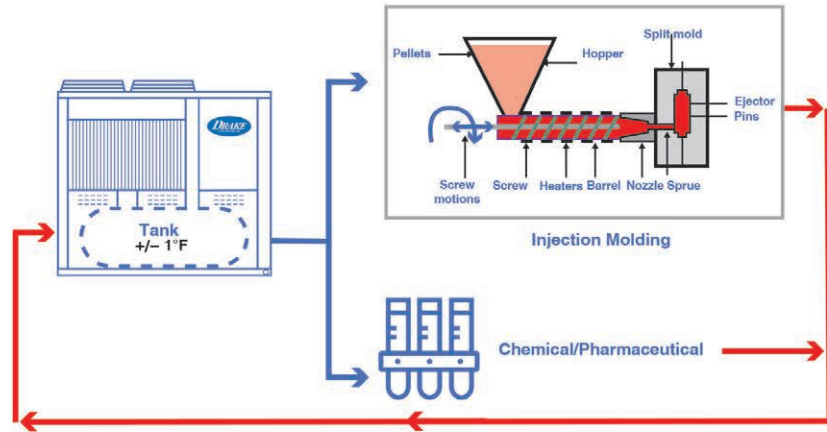


Typical Chilled Water Systems

Industrial Chillers



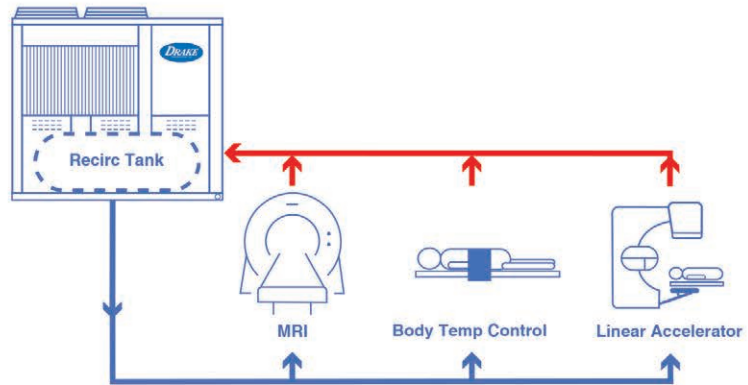
Critical Temperature Tolerances



Medical Chillers



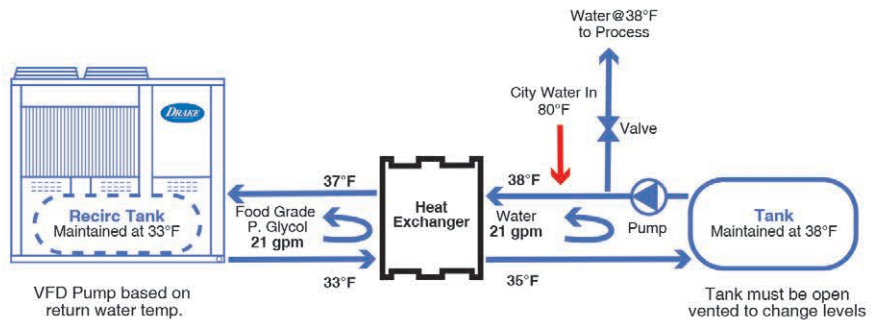
MRI Equipment



Food Processing Chillers



35-41°F Ingredient Water Glycol Chillers



Industries Served



Brewery

Dairy

Food Processing

Medical

Cannabis

Comfort Cooling

Refrigeration

Low Temp

Industrial

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

PACKAGED AIR COOLED CHILLER



PACKAGED AIR COOLED CHILLER, SCREW COMPRESSOR, DUAL CIRCUIT, R407C R404A

Standard Features (Cont'd.)

- Copper Tube/Aluminum Fin Condenser: Rust resistant and high CFM
- Compressor Vibration Eliminators: Eliminates vibration transfer and reduces noise
- Galvanized Steel Metal Cabinet: Sturdy, corrosion resistant, professional appearance
- Insulated Process Fluid Lines: Maximum thermal efficiency
- Factory Tested: Ensures unit meets performance design criteria and arrives in working order
- Electronic Expansion Valves: Added consistency, efficiency, and control
- Full Refrigerant Charge: Hassle free and more efficient installation
- NEMA 3R Rated Electrical: Indoor/outdoor use
- Phase monitor

Available Options

- Extended Warranty: 5 year extended compressor warranty available (+2 years)
- Electrical: Compressor fusing, disconnects and more
- Stainless Steel Pumps: On board pumps in multiple configurations and options
- Fluid Piping Upgrades: Flow meters, pressure gauges, low flow bypass valves, and more
- Coastal Protection/Hazardous Environment: Heresite coating, "Gold", or Copper condenser coils
- Low Ambient Protection: Head pressure control for low ambient temperatures down to -40°F
- Service outlets, evaporator heat tape, etc...

Standard Features

- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Stainless Steel Brazed Plate Evaporator: Fully insulated and selected based upon application requirements
- Hanbell Screw Compressor: Robust, long lasting, rebuildable compressor with 3 year standard warranty
- Stepped Capacity Control: Allows for soft-start and stepless capacity control from 25-100%
- Suction Accumulator: Protects the compressor from damage caused by liquid flood back
- Compressor Crankcase Heater: Prevents compressor damage caused by liquid refrigerant on startup
- Water Flow Switch: Protects against process fluid freezing caused by fluid pump failure



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor			Price	
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA		Max. Fuse
PAC800D3-T3-T	708000	208-230/3/60	175	88	88	3	2	38	136	480.0	6	6.6	350	480	
PAC1000D3-T3-T	944000	208-230/3/60	175	88	88	3	2	50	180	650.0	6	6.6	450	620	
PAC1200D3-T3-T	1219000	208-230/3/60	231	88	88	4	2	66	238	970.0	8	6.6	590	820	
PAC1400D3-T3-T	1368000	208-230/3/60	231	88	88	4	2	70	254	970.0	8	6.6	630	870	
PAC1600D3-T3-T	1665000	208-230/3/60	286	88	88	5	2	81	304	440.0	10	6.6	750	1050	
PAC1800D3-T3-T	1818000	208-230/3/60	341	88	88	5	2	90	340	440.0	12	6.6	850	1180	
PAC2000D3-T3-T	2153000	208-230/3/60	396	88	88	5	2	107	384	630.0	14	6.6	960	1340	
PAC800D3-T4-T	708000	460/3/60	175	88	88	3	2	38	68	240.0	6	3.1	180	230	
PAC1000D3-T4-T	944000	460/3/60	175	88	88	3	2	50	90	325.0	6	3.1	230	310	
PAC1200D3-T4-T	1219000	460/3/60	231	88	88	4	2	66	119	485.0	8	3.1	300	410	
PAC1400D3-T4-T	1368000	460/3/60	231	88	88	4	2	70	127	485.0	8	3.1	320	430	
PAC1600D3-T4-T	1665000	460/3/60	286	88	88	5	2	81	152	720.0	10	3.1	380	520	
PAC1800D3-T4-T	1818000	460/3/60	341	88	88	5	2	90	170	720.0	12	3.1	420	580	
PAC2000D3-T4-T	2153000	460/3/60	396	88	88	5	2	107	192	815.0	14	3.1	480	660	

Contact your United branch or call Drake directly (888-289-7299) for technical assistance.

Due to the manufacturer's policy of continuous product improvement, the manufacturer reserves the right to make changes without notice.

Please contact your local United Refrigeration Branch or our Customer Service Center for pricing.



SEMI-HERMETIC COMPRESSOR

Standard Features (Cont'd.)

- Direct drive condenser fan motor
- Fan cycle control (+40°F)
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fi
- Condenser clean out ports
- Liquid line drier, sightglass, solenoid, TEV
- Replaceable core liquid line drier (15 to 120 HP)
- Galvanized steel sheet metal cabinet & base frame
- Complete refrigerant charge from factory
- Computerized factory run test under load conditions
- Refrigerant and water lines all have 1/2" insulation
- Phase monitor
- 1 step compressor cylinder unloading

Available Options

- Compressor fusing
- Fused disconnect
- Flooded condenser with receiver / head pressure control (-20°F)
- Flooded condenser with heated receiver and head pressure control (-40°F)
- Factory installed heat tape freeze protection thermostatically controlled
- Special piping for de-ionized and reverse osmosis water systems
- Shell and tube chiller barrel
- Fused Stainless Steel process pump with union and ball valves
- Dual system process pump with manual or auto changeover
- Water flow mete
- Electroplated, copper or heresite finned condenser coil (coastal protection)
- 4 year extended compressor warranty
- Hot gas by-pass capacity control with solenoid valve & time delay relay
- Factory assisted start-up

Standard Features

- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Refrigerant suction accumulator
- 316 stainless steel (copper brazed) plate evaporator with 1/2" insulation, and secured in a steel bracket
- Water flow switc
- Condenser fan and control circuit fusing
- Semi-Hermetic compressor with crankcase heater
- Compressor vibration eliminators & spring isolator kit
- Compressor oil safety control
- Compressor and condenser motor contactors

SEMI-HERMETIC COMPRESSOR, SINGLE CIRCUIT, R407C R404A



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor			Fan Motor			MCA	Max. Fuse	Price	
			L	W	H		Qty	HP	Compressor	RLA Ea.	LRA Ea.	Qty				FLA Ea.
PAC150S3-T3-S	148800	208-230/3/60	145	44	54.5	2 MPT	1	15	3DS3R17ME	59.6	275.0	2	2.3	80	125	☎
PAC150S3-T4-S	148800	460/3/60	145	44	54.5	2 MPT	1	15	3DS3R17ME	29.0	138.0	2	1.2	40	60	☎
PAC200S3-T3-S	171600	208-230/3/60	145	44	54.5	2 MPT	1	20	4DA3R18ME	66.0	308.0	2	2.3	90	150	☎
PAC200S3-T4-S	171600	460/3/60	145	44	54.5	2 MPT	1	20	4DA3R18ME	33.0	154.0	2	1.2	45	80	☎
PAC220S3-T3-S	195600	208-230/3/60	145	44	54.5	2 MPT	1	22	4DB3R20ME	65.6	374.0	2	2.3	90	150	☎
PAC220S3-T4-S	195600	460/3/60	145	44	54.5	2 MPT	1	22	4DB3R20ME	32.8	187.0	2	1.2	45	70	☎
PAC250S3-T3-S	223200	208-230/3/60	183	44	54.5	2 MPT	1	25	4DH3R22ME	82.2	428.0	3	2.3	110	175	☎
PAC250S3-T4-S	223200	460/3/60	183	44	54.5	2 MPT	1	25	4DH3R22ME	41.1	214.0	3	1.2	60	90	☎
PAC301S3-T3-S	309600	208-230/3/60	183	44	54.5	2 1/2 MPT	1	30	6DB3R32ME	105.0	565.0	3	2.3	150	225	☎
PAC301S3-T4-S	309600	460/3/60	183	44	54.5	2 1/2 MPT	1	30	6DB3R32ME	52.5	283.0	3	1.2	70	110	☎
PAC351S3-T3-S	321600	208-230/3/60	143	44	54.5	2 1/2 MPT	1	35	6B4709PH	125.0	550.0	4	2.3	175	250	☎
PAC351S3-T4-S	321600	460/3/60	143	44	54.5	2 1/2 MPT	1	35	6B4709PH	62.5	275.0	4	1.2	80	125	☎
PAC400S3-T3-S	352000	208-230/3/60	143	84	54.5	2 1/2 MPT	1	40	6B5406PH	142.0	700.0	4	2.3	225	350	☎
PAC400S3-T4-S	352000	460/3/60	143	84	54.5	2 1/2 MPT	1	40	6B5406PH	71.0	350.0	4	1.2	110	175	☎
PAC500S3-T3-S	441600	208-230/3/60	183	84	54.5	3 MPT	1	50	6B6462PH	180.0	950.0	6	2.3	200	350	☎
PAC500S3-T4-S	441600	460/3/60	183	84	54.5	3 MPT	1	50	6B6462PH	90.0	425.0	6	1.2	100	175	☎

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PACKAGED AIR COOLED CHILLER



SEMI-HERMETIC COMPRESSOR, DUAL CIRCUIT, R407C R404A

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor			Fan Motor			MCA	Max. Fuse	Price	
			L	W	H		Qty	HP	Compressor	RLA Ea.	LRA Ea.	Qty				FLA Ea.
PAC150D3-T3-S	188400	208-230/3/60	145	44	54.5	2 1/2 MPT	2	7.5	3DA3R10ME	41.0	215.0	2	2.3	100	125	☎
PAC150D3-T4-S	188400	460/3/60	145	44	54.5	2 1/2 MPT	2	7.5	3DA3R10ME	20.0	106.0	2	1.2	50	60	☎
PAC200D3-T3-S	222000	208-230/3/60	145	44	54.5	2 1/2 MPT	2	10	3DB3R12ME	43.6	215.0	2	2.3	110	125	☎
PAC200D3-T4-S	222000	460/3/60	145	44	54.5	2 1/2 MPT	2	10	3DB3R12ME	20.0	106.0	2	1.2	50	60	☎
PAC240D3-T3-S	265200	208-230/3/60	183	44	54.5	2 1/2 MPT	2	12	3DF3R15ME	48.1	275.0	3	2.3	125	150	☎
PAC240D3-T4-S	265200	460/3/60	183	44	54.5	2 1/2 MPT	2	12	3DF3R15ME	23.6	138.0	3	1.2	60	80	☎
PAC300D3-T3-S	300000	208-230/3/60	183	44	54.5	2 1/2 MPT	2	15	3DS3R17ME	59.6	275.0	3	2.3	150	200	☎
PAC300D3-T4-S	300000	460/3/60	183	44	54.5	2 1/2 MPT	2	15	3DS3R17ME	29.0	138.0	3	1.2	70	90	☎
PAC400D3-T3-S	339600	208-230/3/60	143	84	54.5	2 1/2 MPT	2	20	4DA3R18ME	66.6	308.0	4	2.3	175	225	☎
PAC400D3-T4-S	339600	460/3/60	143	84	54.5	2 1/2 MPT	2	20	4DA3R18ME	33.3	154.0	4	1.2	80	110	☎
PAC440D3-T3-S	392400	208-230/3/60	143	84	54.5	3 MPT	2	22	4DB3R20ME	65.6	374.0	4	2.3	175	200	☎
PAC440D3-T4-S	392400	460/3/60	143	84	54.5	3 MPT	2	22	4DB3R20ME	32.8	187.0	4	1.2	80	110	☎
PAC500D3-T3-S	446400	208-230/3/60	183	84	54.5	3 MPT	2	25	4DH3R22ME	82.1	428.0	6	2.3	200	250	☎
PAC500D3-T4-S	446400	460/3/60	183	84	54.5	3 MPT	2	25	4DH3R22ME	41.1	214.0	6	1.2	100	125	☎
PAC601D3-T3-S	627600	208-230/3/60	183	84	54.5	3 MPT	2	30	6DB3R32ME	105.0	565.0	6	2.3	250	350	☎
PAC601D3-T4-S	627600	460/3/60	183	84	54.5	3 MPT	2	30	6DB3R32ME	52.5	283.0	6	1.2	150	175	☎
PAC701D3-T3-S	650400	208-230/3/60	183	84	54.5	4 Fling	2	35	6B4709PH	117.0	550.0	8	2.3	300	400	☎
PAC701D3-T4-S	650400	460/3/60	183	84	54.5	4 Fling	2	35	6B4709PH	58.6	275.0	8	1.2	150	200	☎
PAC800D3-T3-S	720000	208-230/3/60	223	84	56.5	4 Fling	2	40	6B5406PH	157.1	700.0	8	2.3	400	500	☎
PAC800D3-T4-S	720000	460/3/60	223	84	56.5	4 Fling	2	40	6B5406PH	78.6	350.0	8	1.2	175	250	☎
PAC1000D3-T3-S	879600	208-230/3/60	228	89	56.5	4 Fling	2	50	6B6462PH	160.0	950.0	6	6.6	400	550	☎
PAC1000D3-T4-S	879600	460/3/60	228	89	56.5	4 Fling	2	50	6B6462PH	80.0	425.0	6	3.1	200	250	☎

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

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SCROLL COMPRESSOR

Standard Features (Cont'd.)

- Full refrigerant charge from factory
- Phase monitor
- Hot gas by-pass capacity control on standard scroll models (not -ZD or tandem models)
- "Hard start kit" (single phase units only)

Available Options

- Remote touchscreen panel
- 4 year extended compressor warranty
- Casters (factory mounted)
- 115 volt (rain tight) service outlet
- Fused disconnect
- Compressor fusing
- EC Fan motor(s) (+10°)
- Flooded condenser with receiver/head pressure control (-20°F)
- Heated flooded condenser with receiver/head pressure control (-40°F)
- Factory installed evaporator heat tape freeze protection thermostatically controlled
- Fused stainless steel process pump with unions and ball valves
- Water pressure gauge set
- Dual system pump with manual changeover or auto changeover
- Low flow bypass valv
- Electroplated, copper or heresite finned condenser coil (coastal protection)
- Shell and tube evaporator barrel
- Water flow mete
- Auto city water make up solenoid
- Auto city water changeover panel with 5 micron filter option
- Special piping for de-ionized and reverse osmosis water systems
- OSHPD special seismic certification (up to 240D model)

Standard Features

- ETL listed
- Stainless steel brazed plate evaporator with 1/2" insulation and secured in a steel bracket
- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Scroll compressor (digital scroll compressor for -ZD models) with crankcase heater
- Suction accumulator
- Water flow switc
- 24V control transformer
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fi
- Compressor motor contactor
- Condenser motor and control circuit fusing
- Painted galvanized sheet metal cabinet
- 1/2" insulation on all water and refrigerant lines
- Liquid line drier, sightglass, solenoid, TEV

SCROLL COMPRESSOR, SINGLE CIRCUIT, R407C R404A



Part No.	BTUH at 95°F Amb. 45°F Lwt	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor				Price	
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse		Wt. (Lbs.)
PAC12S3-S2-Z	14400	208-230/1/60	36	34	40	3/4 FPT	1	1.3	10	42.0	1	3.3	20	25	250	
PAC18S3-S2-Z	20400	208-230/1/60	36	34	40	3/4 FPT	1	2	15.7	61.0	1	3.3	25	40	250	
PAC18S3-T3-Z	20400	208-230/3/60	36	34	40	3/4 FPT	1	2	8.9	55.0	1	3.3	15	20	250	
PAC18S3-T4-Z	20400	460/3/60	36	34	40	3/4 FPT	1	2	4.3	27.0	1	1.6	15	15	250	
PAC24S3-S2-Z	24000	208-230/1/60	36	34	40	1 FPT	1	2.5	15.7	73.0	1	3.3	25	40	275	
PAC24S3-T3-Z	24000	208-230/3/60	36	34	40	1 FPT	1	2.5	8.2	63.0	1	3.3	15	20	275	
PAC24S3-T4-Z	24000	460/3/60	36	34	40	1 FPT	1	2.5	4.3	31.0	1	1.6	15	15	275	
PAC30S3-S2-Z	32400	208-230/1/60	36	34	40	1 FPT	1	3.5	20.7	127.0	1	3.3	30	45	300	
PAC30S3-T3-Z	32400	208-230/3/60	36	34	40	1 FPT	1	3.5	13.9	88.0	1	3.3	25	30	300	
PAC30S3-T4-Z	32400	460/3/60	36	34	40	1 FPT	1	3.5	7.1	44.0	1	1.6	15	15	300	
PAC36S3-S2-Z	39600	208-230/1/60	56	34	40	1 FPT	1	4	25.0	132.0	1	3.3	35	50	500	
PAC36S3-T3-Z	39600	208-230/3/60	56	34	40	1 FPT	1	4	15.0	115.0	1	3.3	25	35	500	
PAC36S3-T4-Z	39600	460/3/60	56	34	40	1 FPT	1	4	7.4	48.0	1	1.6	15	15	500	
PAC48S3-S2-Z	52800	208-230/1/60	56	34	40	1 FPT	1	5	30.1	175.0	1	3.3	45	70	550	
PAC48S3-T3-Z	52800	208-230/3/60	56	34	40	1 FPT	1	5	20.7	115.0	1	3.3	30	45	550	
PAC48S3-T4-Z	52800	460/3/60	56	34	40	1 FPT	1	5	8.9	63.0	1	1.6	15	20	550	
PAC50S3-S2-Z	56400	208-230/1/60	56	34	40	1 FPT	1	5	27.9	129.0	1	3.3	40	60	575	

Continued...

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

PACKAGED AIR COOLED CHILLER



SCROLL COMPRESSOR, SINGLE CIRCUIT, R407C R404A (CONT'D.)

Part No.	BTUH at 95°F Amb. 45°F Lwt	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor				Price	
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse		Wt. (Lbs.)
PAC60S3-T3-Z	60000	208-230/3/60	56	34	40	1 FPT	1	6	20.7	156.0	1	3.3	30	45	600	☎
PAC60S3-T4-Z	60000	460/3/60	56	34	40	1 FPT	1	6	11.5	70.0	1	1.6	20	25	600	☎
PAC70S3-T3-Z	84000	208-230/3/60	85	34	40	1 1/4 FPT	1	8	32.1	195.0	2	3.3	50	70	700	☎
PAC70S3-T4-Z	84000	460/3/60	85	34	40	1 1/4 FPT	1	8	16.4	95.0	2	1.6	25	40	700	☎
PAC80S3-T3-Z	92400	208-230/3/60	85	34	40	1 1/4 FPT	1	9	33.6	225.0	2	3.3	50	80	725	☎
PAC80S3-T4-Z	92400	460/3/60	85	34	40	1 1/4 FPT	1	9	17.3	114.0	2	1.6	25	40	725	☎
PAC90S3-T3-Z	108000	208-230/3/60	85	34	40	1 1/4 FPT	1	10	41.4	238.0	2	3.3	50	90	750	☎
PAC90S3-T4-Z	108000	460/3/60	85	34	40	1 1/4 FPT	1	10	19.2	125.0	2	1.6	30	45	750	☎
PAC120S3-T3-Z	134400	208-230/3/60	85	34	40	1 1/4 FPT	1	12	55.0	300.0	2	3.3	80	125	850	☎
PAC120S3-T4-Z	134400	460/3/60	85	34	40	1 1/4 FPT	1	12	25.7	150.0	2	1.6	40	60	850	☎
PAC180S3-T3-Z	148800	208-230/3/60	143	44	54	2 MPT	1	15	60.0	340.0	2	2.3	80	125	1600	☎
PAC180S3-T4-Z	148800	460/3/60	143	44	54	2 MPT	1	15	31.4	173.0	2	2.4	45	70	1600	☎
PAC250S3-T3-Z	210000	208-230/3/60	183	44	54	2 1/2 MPT	1	20	81.4	505.0	3	2.3	100	175	1700	☎
PAC250S3-T4-Z	210000	460/3/60	183	44	54	2 1/2 MPT	1	20	37.9	225.0	3	3.6	60	80	1700	☎
PAC300S3-T3-Z	253200	208-230/3/60	183	44	54	2 1/2 MPT	1	25	100.0	500.0	3	2.3	125	225	1800	☎
PAC300S3-T4-Z	253200	460/3/60	183	44	54	2 1/2 MPT	1	25	48.6	250.0	3	3.6	70	110	1800	☎
PAC380S3-T3-Z	295200	208-230/3/60	223	44	54	2 1/2 MPT	1	30	121.4	599.0	4	2.3	150	250	2000	☎
PAC380S3-T4-Z	295200	460/3/60	223	44	54	2 1/2 MPT	1	30	59.3	310.0	4	4.8	80	125	2000	☎



DIGITAL SCROLL, SINGLE CIRCUIT, R407C R404A

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor				Price	
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse		Wt. (Lbs.)
PAC36S3-T3-ZD	39600	208-230/3/60	56	34	40	1 FPT	1	4	14.6	99.0	1	3.3	25	35	500	☎
PAC36S3-T4-ZD	39600	460/3/60	56	34	40	1 FPT	1	4	6.9	48.0	1	1.6	15	15	500	☎
PAC48S3-T3-ZD	52800	208-230/3/60	56	34	40	1 FPT	1	5	20.7	128.0	1	3.3	30	50	550	☎
PAC48S3-T4-ZD	52800	460/3/60	56	34	40	1 FPT	1	5	8.9	63.0	1	1.6	15	20	550	☎
PAC60S3-T3-ZD	60000	208-230/3/60	56	34	40	1 FPT	1	6	20.1	156.0	1	3.3	30	45	600	☎
PAC60S3-T4-ZD	60000	460/3/60	56	34	40	1 FPT	1	6	9.1	75.0	1	1.6	15	20	600	☎
PAC70S3-T3-ZD	84000	208-230/3/60	85	34	40	1 1/4 FPT	1	8	32.1	195.0	2	3.3	50	70	700	☎
PAC70S3-T4-ZD	84000	460/3/60	85	34	40	1 1/4 FPT	1	8	16.4	95.0	2	1.6	25	35	700	☎
PAC90S3-T3-ZD	108000	208-230/3/60	85	34	40	1 1/4 FPT	1	10	41.4	239.0	2	3.3	60	100	750	☎
PAC90S3-T4-ZD	108000	460/3/60	85	34	40	1 1/4 FPT	1	10	19.2	125.0	2	1.6	30	45	750	☎
PAC180S3-T3-ZD	150000	208-230/3/60	85	34	47	1 1/2 FPT	1	15	60	340.0	2	3.2	85	140	1400	☎
PAC180S3-T4-ZD	150000	460/3/60	85	34	47	1 1/2 FPT	1	15	31.4	173.0	2	1.6	45	70	1400	☎

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SCROLL COMPRESSOR, DUAL CIRCUIT, R407C R404A

Part No.	BTUH at 95°F Amb. 45°F Lwt	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor				Price	
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse		Wt. (Lbs.)
PAC72D3-S2-Z	80400	208-230/1/60	75	34	47	1 1/4 FPT	2	4	25.0	132.0	2	3.3	70	80	900	☎
PAC72D3-T3-Z	80400	208-230/3/60	75	34	47	1 1/4 FPT	2	4	15.0	115.0	2	3.3	45	50	900	☎
PAC72D3-T4-Z	80400	460/3/60	75	34	47	1 1/4 FPT	2	4	7.4	48.0	2	1.6	20	25	900	☎
PAC96D3-S2-Z	105800	208-230/1/60	75	34	47	1 1/4 FPT	2	5	30.1	175.0	2	3.3	80	100	1000	☎
PAC96D3-T3-Z	105800	208-230/3/60	75	34	47	1 1/4 FPT	2	5	20.7	115.0	2	3.3	60	70	1000	☎
PAC96D3-T4-Z	105800	460/3/60	75	34	47	1 1/4 FPT	2	5	8.9	63.0	2	1.6	25	30	1000	☎
PAC100D3-S2-Z	111600	208-230/1/60	75	34	47	1 1/4 FPT	2	5	27.9	129.0	2	3.3	70	90	1100	☎
PAC120D3-T3-Z	118800	460/3/60	75	34	47	1 1/4 FPT	2	6	20.7	156.0	2	3.3	60	70	1150	☎
PAC120D3-T4-Z	118800	460/3/60	75	34	47	1 1/4 FPT	2	6	11.5	70.0	2	1.6	30	40	1150	☎
PAC140D3-T3-Z	162000	208-230/3/60	85	40	47	1 1/4 FPT	2	8	32.1	195.0	2	3.3	80	110	1400	☎
PAC140D3-T4-Z	162000	460/3/60	85	40	47	1 1/4 FPT	2	8	16.4	95.0	2	1.6	45	50	1400	☎
PAC160D3-T3-Z	183600	208-230/3/60	85	40	47	1 1/4 FPT	2	9	33.6	225.0	2	3.3	90	110	1450	☎
PAC160D3-T4-Z	183600	460/3/60	85	40	47	1 1/4 FPT	2	9	17.3	114.0	2	1.6	45	50	1450	☎
PAC180D3-T3-Z	210000	208-230/3/60	85	40	47	1 1/2 FPT	2	10	41.4	239.0	2	3.3	100	125	1500	☎
PAC180D3-T4-Z	210000	460/3/60	85	40	47	1 1/2 FPT	2	10	19.2	125.0	2	1.6	50	60	1500	☎
PAC240D3-T3-Z	264000	208-230/3/60	66	75	49	1 1/2 FPT	2	12	55.0	300.0	4	3.3	150	175	1750	☎
PAC240D3-T4-Z	264000	460/3/60	66	75	49	1 1/2 FPT	2	12	25.7	150.0	4	1.6	70	80	1750	☎
PAC360D3-T3-Z	307200	208-230/3/60	143	84	54	2 1/2 MPT	2	15	60.0	340.0	4	2.3	150	200	2600	☎
PAC360D3-T4-Z	307200	460/3/60	143	84	54	2 1/2 MPT	2	15	31.4	173.0	4	1.6	80	100	2600	☎
PAC500D3-T3-Z	415200	208-230/3/60	183	84	54	3 MPT	2	20	81.4	505.0	6	2.3	200	250	2900	☎
PAC500D3-T4-Z	415200	460/3/60	183	84	54	3 MPT	2	20	37.9	225.0	6	1.2	100	125	2900	☎
PAC600D3-T3-Z	514800	208-230/3/60	223	84	54	3 MPT	2	25	100.0	500.0	8	2.3	225	300	3200	☎
PAC600D3-T4-Z	514800	460/3/60	223	84	54	3 MPT	2	25	48.6	250.0	8	1.2	125	150	3200	☎
PAC760D3-T3-Z	618000	208-230/3/60	223	84	54	4 VIC	2	30	121.4	599.0	8	2.3	300	400	4000	☎
PAC760D3-T4-Z	618000	460/3/60	223	84	54	4 VIC	2	30	59.3	310.0	8	1.2	125	200	4000	☎

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

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PACKAGED AIR COOLED CHILLER



QUAD PACKAGED AIR COOLED CHILLER, TANDEM SCROLL, DUAL CIRCUIT, R407C R404A

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor			MCA	Max. Fuse	Price
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.				
PAC280Q3-T3-Z	288100	208-230/3/60	91	83	73	2	4	7	28.6	196.0	4	2.3	140	150	☎	
PAC330Q3-T3-Z	334000	208-230/3/60	91	83	73	2	4	8	32.1	195.0	4	2.3	150	170	☎	
PAC370Q3-T3-Z	374000	208-230/3/60	91	83	73	2	4	9	33.6	225.0	4	2.3	160	180	☎	
PAC430Q3-T3-Z	443000	208-230/3/60	131	83	73	2	4	10	41.4	239.0	6	2.3	190	230	☎	
PAC490Q3-T3-Z	504200	208-230/3/60	131	83	73	2.5	4	11	47.1	245.0	6	2.3	220	260	☎	
PAC540Q3-T3-Z	545600	208-230/3/60	131	83	73	2.5	4	13	55	300.0	6	2.3	250	300	☎	
PAC630Q3-T3-Z	642500	208-230/3/60	171	83	73	3	4	15	60	340.0	8	2.3	280	330	☎	
PAC840Q3-T3-Z	852800	208-230/3/60	171	83	73	3	4	20	81.4	490.0	8	2.3	370	440	☎	
PAC1020Q3-T3-Z	1035300	208-230/3/60	231	88	85	4	4	25	100	500.0	8	6.6	480	570	☎	
PAC1280Q3-T3-Z	1301500	208-230/3/60	231	88	85	4	4	30	121.4	600.0	8	6.6	570	690	☎	
PAC280Q3-T4-Z	288100	460/3/60	91	83	73	2	4	7	14.3	98.0	4	1.2	70	75	☎	
PAC330Q3-T4-Z	334000	460/3/60	91	83	73	2	4	8	16.05	97.5	4	1.2	80	85	☎	
PAC370Q3-T4-Z	374000	460/3/60	91	83	73	2	4	9	16.8	112.5	4	1.2	80	90	☎	
PAC430Q3-T4-Z	443000	460/3/60	131	83	73	2	4	10	20.7	119.5	6	1.2	100	110	☎	
PAC490Q3-T4-Z	504200	460/3/60	131	83	73	2.5	4	11	23.55	122.5	6	1.2	110	130	☎	
PAC540Q3-T4-Z	545600	460/3/60	131	83	73	2.5	4	13	27.5	150.0	6	1.2	130	150	☎	
PAC630Q3-T4-Z	642500	460/3/60	171	83	73	3	4	15	30	170.0	8	1.2	140	160	☎	
PAC840Q3-T4-Z	852800	460/3/60	171	83	73	3	4	20	40.7	245.0	8	1.2	190	220	☎	
PAC1020Q3-T4-Z	1035300	460/3/60	231	88	85	4	4	25	50	250.0	8	3.1	240	280	☎	
PAC1280Q3-T4-Z	1301500	460/3/60	231	88	85	4	4	30	60.7	300.0	8	3.1	290	340	☎	

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES



DIGITAL SCROLL, DUAL CIRCUIT, R407C R404A

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor			MCA	Max. Fuse	Wt. (Lbs.)	Price
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.					
PAC72D3-T3-ZD	80400	208-230/3/60	75	34	47	1 1/4 FPT	2	4	14.6	99.0	2	3.3	45	50	900	☎	
PAC72D3-T4-ZD	80400	460/3/60	75	34	47	1 1/4 FPT	2	4	6.9	48.0	2	1.6	20	25	900	☎	
PAC96D3-T3-ZD	105800	208-230/3/60	75	34	47	1 1/4 FPT	2	5	20.7	128.0	2	3.3	60	70	1000	☎	
PAC96D3-T4-ZD	105800	460/3/60	75	34	47	1 1/4 FPT	2	5	8.9	63.0	2	1.6	25	30	1000	☎	
PAC120D3-T3-ZD	118800	460/3/60	75	34	47	1 1/4 FPT	2	6	20.1	156.0	2	3.3	60	70	1150	☎	
PAC120D3-T4-ZD	118800	460/3/60	75	34	47	1 1/4 FPT	2	6	9.1	75.0	2	1.6	30	40	1150	☎	
PAC140D3-T3-ZD	162000	208-230/3/60	85	40	47	1 1/2 FPT	2	8	32.1	195.0	2	3.3	80	110	1400	☎	
PAC140D3-T4-ZD	162000	460/3/60	85	40	47	1 1/2 FPT	2	8	16.4	95.0	2	1.6	45	50	1400	☎	
PAC180D3-T3-ZD	210000	208-230/3/60	85	40	47	1 1/2 FPT	2	10	41.4	239.0	2	3.3	110	125	1500	☎	
PAC180D3-T4-ZD	210000	460/3/60	85	40	47	1 1/2 FPT	2	10	19.2	125.0	2	1.6	50	60	1500	☎	
PAC360D3-T3-ZD	301200	208-230/3/60	90.75	84.25	76.5	2 1/2 FPT	2	15	60	340.0	4	2.3	145	200	2600	☎	
PAC360D3-T4-ZD	301200	460/3/60	90.75	84.25	76.5	2 1/2 FPT	2	15	31.4	173.0	4	1.1	80	105	2600	☎	

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SCROLL COMPRESSOR, SINGLE CIRCUIT WITH TANK, R407C R404A

Standard Features for Tank Models

- Stainless steel recirculation tank with 1/2" insulation
- Fused stainless steel re-circulation pump for tank operation with unions, ball valves and cleanable strainer
- Tank pressure relief valve, vent, and drain connections
- Tank sight glass

Options for Tank Models

- Tank low liquid level indicator with dry contacts
- Process pump VFD
- Tank heater



Part No.	BTUH at 95°F Amb. 45°F Lwt	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor				Fan Motor				Price
			L	W	H			Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse	
PACT12S3-S2-Z	14000	208-230/1/60	36	34	60	3/4 FPT	30.0	1	1.3	10	42.0	1	3.3	25	30	☎
PACT18S3-S2-Z	18000	208-230/1/60	36	34	60	3/4 FPT	30.0	1	2	15.7	61.0	1	3.3	30	40	☎
PACT18S3-T3-Z	18000	208-230/3/60	36	34	60	3/4 FPT	30.0	1	2	8.9	55.0	1	3.3	20	25	☎
PACT18S3-T4-Z	18000	460/3/60	36	34	60	3/4 FPT	30.0	1	2	4.3	27.0	1	1.6	15	15	☎
PACT24S3-S2-Z	22000	208-230/1/60	36	34	60	1 FPT	30.0	1	2.5	15.7	73.0	1	3.3	30	40	☎
PACT24S3-T3-Z	22000	208-230/3/60	36	34	60	1 FPT	30.0	1	2.5	8.2	63.0	1	3.3	20	25	☎
PACT24S3-T4-Z	22000	460/3/60	36	34	60	1 FPT	30.0	1	2.5	4.3	31.0	1	1.6	15	15	☎
PACT30S3-S2-Z	28800	208-230/1/60	36	34	60	1 FPT	30.0	1	3.5	20.7	127.0	1	3.3	35	50	☎
PACT30S3-T3-Z	28800	208-230/3/60	36	34	60	1 FPT	30.0	1	3.5	13.9	88.0	1	3.3	30	35	☎
PACT30S3-T4-Z	28800	460/3/60	36	34	60	1 FPT	30.0	1	3.5	7.1	44.0	1	1.6	15	15	☎
PACT36S3-S2-Z	36000	208-230/1/60	56	34	66	1 FPT	30.0	1	4	25.0	132.0	1	3.3	40	60	☎
PACT36S3-T3-Z	36000	208-230/3/60	56	34	66	1 FPT	30.0	1	4	15.0	115.0	1	3.3	30	40	☎
PACT36S3-T4-Z	36000	460/3/60	56	34	66	1 FPT	30.0	1	4	7.4	48.0	1	1.6	15	15	☎
PACT48S3-S2-Z	49200	208-230/1/60	56	34	66	1 FPT	60.0	1	5	30.1	175.0	1	1.6	50	70	☎
PACT48S3-T3-Z	49200	208-230/3/60	56	34	66	1 FPT	60.0	1	5	20.7	115.0	1	1.6	35	50	☎
PACT48S3-T4-Z	49200	460/3/60	56	34	66	1 FPT	60.0	1	5	8.9	63.0	1	1.6	15	20	☎
PACT50S3-S2-Z	51600	208-230/1/60	56	34	66	1 FPT	60.0	1	5	27.9	129.0	1	3.3	45	70	☎
PACT60S3-T3-Z	55200	208-230/3/60	56	34	66	1 FPT	60.0	1	6	20.7	156.0	1	1.6	35	50	☎
PACT60S3-T4-Z	55200	460/3/60	56	34	66	1 FPT	60.0	1	6	11.5	70.0	1	1.6	20	25	☎
PACT70S3-T3-Z	75600	208-230/3/60	85	34	66	1 FPT	60.0	1	8	32.1	195.0	2	3.3	60	80	☎
PACT70S3-T4-Z	75600	460/3/60	85	34	66	1 FPT	60.0	1	8	16.4	95.0	2	1.6	25	35	☎
PACT80S3-T3-Z	84000	208-230/3/60	85	34	66	1 1/4 FPT	90.0	1	9	33.6	225.0	2	3.3	60	80	☎
PACT80S3-T4-Z	84000	460/3/60	85	34	66	1 1/4 FPT	90.0	1	9	17.3	114.0	2	1.6	30	40	☎
PACT90S3-T3-Z	98400	208-230/3/60	85	34	66	1 1/4 FPT	90.0	1	10	41.4	239.0	2	3.3	70	100	☎
PACT90S3-T4-Z	98400	460/3/60	85	34	66	1 1/4 FPT	90.0	1	10	19.2	125.0	2	1.6	30	45	☎
PACT120S3-T3-Z	122400	208-230/3/60	85	34	66	1 1/4 FPT	90.0	1	12	55.0	300.0	2	3.3	90	125	☎
PACT120S3-T4-Z	122400	460/3/60	85	34	66	1 1/4 FPT	90.0	1	12	25.7	150.0	2	1.6	40	60	☎

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PACKAGED AIR COOLED CHILLER



DIGITAL SCROLL, SINGLE CIRCUIT WITH TANK, R407C R404A

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor				Fan Motor				Price
			L	W	H			Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse	
PACT36S3-T3-ZD	36600	208-230/3/60	56	34	66	1 FPT	30.0	1	4	14.6	99.0	1	3.3	30	40	☎
PACT36S3-T4-ZD	36600	460/3/60	56	34	66	1 FPT	30.0	1	4	6.9	47.0	1	1.6	15	15	☎
PACT48S3-T3-ZD	48000	208-230/3/60	56	34	66	1 FPT	60.0	1	5	20.7	128.0	1	1.6	35	50	☎
PACT48S3-T4-ZD	48000	460/3/60	56	34	66	1 FPT	60.0	1	5	8.9	63.0	1	1.6	15	20	☎
PACT60S3-T3-ZD	54000	208-230/3/60	56	34	66	1 FPT	60.0	1	6	20.1	156.0	1	1.6	35	50	☎
PACT60S3-T4-ZD	54000	460/3/60	56	34	66	1 FPT	60.0	1	6	9.1	75.0	1	1.6	15	20	☎
PACT70S3-T3-ZD	73500	208-230/3/60	85	34	66	1 1/4 FPT	60.0	1	8	32.1	195.0	2	3.3	60	80	☎
PACT70S3-T4-ZD	73500	460/3/60	85	34	66	1 1/4 FPT	60.0	1	8	16.4	95.0	2	1.6	30	40	☎
PACT90S3-T3-ZD	95400	208-230/3/60	85	34	66	1 1/4 FPT	90.0	1	10	41.4	239.0	2	3.3	70	110	☎
PACT90S3-T4-ZD	95400	460/3/60	85	34	66	1 1/4 FPT	90.0	1	10	19.2	125.0	2	1.6	35	45	☎

SCROLL COMPRESSOR, DUAL CIRCUIT WITH TANK, R407C R404A

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor				Fan Motor				Price
			L	W	H			Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse	
PACT72D3-S2-Z	73200	208-230/1/60	75	34	73	1 1/4 FPT	60.0	2	4	25.0	132.0	2	3.3	70	☎	
PACT72D3-T3-Z	73200	208-230/3/60	75	34	73	1 1/4 FPT	60.0	2	4	15.0	115.0	2	3.3	50	☎	
PACT72D3-T4-Z	73200	460/3/60	75	34	73	1 1/4 FPT	60.0	2	4	7.4	48.0	2	1.6	25	☎	
PACT96D3-S2-Z	96000	208-230/1/60	75	34	73	1 1/4 FPT	90.0	2	5	30.1	175.0	2	3.3	90	☎	
PACT96D3-T3-Z	96000	208-230/3/60	75	34	73	1 1/4 FPT	90.0	2	5	20.7	115.0	2	3.3	70	☎	
PACT96D3-T4-Z	96000	460/3/60	75	34	73	1 1/4 FPT	90.0	2	5	8.9	63.0	2	1.6	30	☎	
PACT100D3-S2-Z	102000	208-230/1/60	75	34	73	1 1/4 FPT	90.0	2	5	27.9	129.0	2	3.3	80	☎	
PACT120D3-T3-Z	108000	208-230/3/60	75	34	73	1 1/4 FPT	90.0	2	6	20.7	156.0	2	3.3	70	☎	
PACT120D3-T4-Z	108000	460/3/60	75	34	73	1 1/4 FPT	90.0	2	6	11.5	70.0	2	1.6	35	☎	
PACT140D3-T3-Z	147000	208-230/3/60	85	40	73	1 1/2 FPT	90.0	2	8	32.1	195.0	2	3.3	90	☎	
PACT140D3-T4-Z	147000	460/3/60	85	40	73	1 1/2 FPT	90.0	2	8	16.4	95.0	2	1.6	45	☎	
PACT160D3-T3-Z	167000	208-230/3/60	85	40	73	1 1/2 FPT	35.0	2	9	33.6	225.0	2	3.3	100	☎	
PACT160D3-T4-Z	167000	460/3/60	85	40	73	1 1/2 FPT	35.0	2	9	17.3	114.0	2	1.6	45	☎	
PACT180D3-T3-Z	190800	208-230/3/60	85	40	73	1 1/2 FPT	35.0	2	10	41.4	239.0	2	3.3	110	☎	
PACT180D3-T4-Z	190800	460/3/60	85	40	73	1 1/2 FPT	35.0	2	10	19.2	125.0	2	1.6	50	☎	
PACT240D3-T3-Z	205200	208-230/3/60	75	66	86.75	1 1/2 FPT	35.0	2	12	55	300.0	4	3.3	150	☎	
PACT240D3-T4-Z	205200	460/3/60	75	66	86.75	1 1/2 FPT	35.0	2	12	25.7	500.0	4	1.6	70	☎	

DIGITAL SCROLL, DUAL CIRCUIT WITH TANK, R407C R404A

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor				Fan Motor				Price
			L	W	H			Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse	
PACT72D3-T3-ZD	73200	208-230/3/60	75	34	73	1 1/4 FPT	60.0	2	4	14.6	99.0	2	3.3	50	☎	
PACT72D3-T4-ZD	73200	460/3/60	75	34	73	1 1/4 FPT	60.0	2	4	7.4	48.0	2	1.6	25	☎	
PACT96D3-T3-ZD	96000	208-230/3/60	75	34	73	1 1/4 FPT	90.0	2	5	20.7	128.0	2	3.3	70	☎	
PACT96D3-T4-ZD	96000	460/3/60	75	34	73	1 1/4 FPT	90.0	2	5	8.9	63.0	2	1.6	30	☎	
PACT120D3-T3-ZD	108000	208-230/3/60	75	34	73	1 1/4 FPT	90.0	2	6	20.1	156.0	2	3.3	70	☎	
PACT120D3-T4-ZD	108000	460/3/60	75	34	73	1 1/4 FPT	90.0	2	6	9.1	75.0	2	1.6	30	☎	
PACT140D3-T3-ZD	147000	208-230/3/60	85	40	73	1 1/2 FPT	35.0	2	8	32.1	195.0	2	3.3	100	☎	
PACT140D3-T4-ZD	147000	460/3/60	85	40	73	1 1/2 FPT	35.0	2	8	16.4	95.0	2	1.6	45	☎	
PACT180D3-T3-ZD	190800	208-230/3/60	85	40	73	1 1/2 FPT	35.0	2	10	41.4	239.0	2	3.3	110	☎	
PACT180D3-T4-ZD	190800	460/3/60	85	40	73	1 1/2 FPT	35.0	2	10	19.2	125.0	2	1.6	50	☎	

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES



VPACT

SCROLL COMPRESSOR, SINGLE CIRCUIT WITH TANK, VALUE LINE, R407C R404A

- Scroll compressor with crankcase heater
- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Stainless steel brazed plate evaporator with 1/2" insulation, and secured in a steel bracket
- Casters (factory mounted)
- Fused stainless steel chiller process pump
- Insulated polyethylene storage tank
- Low flow bypass valv
- Suction accumulator
- Water flow switc
- Hot gas by-pass
- 24V control transformer
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Copper tube / aluminum fin condense
- Compressor motor contactor
- Condenser motor and control circuit fusing
- Painted galvanized sheet metal cabinet
- 1/2" insulation on all water and low pressure refrigerant lines
- Liquid line drier, sightglass, solenoid, TEV
- Complete refrigerant charge from factory
- ETL listed



Part No.	BTUH at 95°F Amb. 45°F Lwt	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor				Fan Motor				Price
			L	W	H			Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse	
VPACT1S3-S2-Z	16800	208-230/1/60	36	34	46.25	3/4 FPT	6.0	1	1.3	10.0	41.0	1	3.3	25	30	
VPACT2S3-S2-Z	26400	208-230/1/60	36	34	46.25	1 FPT	13.0	1	2.5	15.7	73.0	1	3.3	35	45	
VPACT2S3-T3-Z	26400	208-230/3/60	36	34	46.25	1 FPT	13.0	1	2.5	8.2	63.0	1	3.3	25	30	
VPACT2S3-T4-Z	26400	460/3/60	36	34	46.25	1 FPT	13.0	1	2.5	4.3	31.0	1	1.6	15	15	
VPACT3S3-S2-Z	36000	208-230/1/60	36	34	46.25	1 FPT	13.0	1	3.5	20.7	127.0	1	3.3	40	50	
VPACT3S3-T3-Z	36000	208-230/3/60	36	34	46.25	1 FPT	13.0	1	3.5	13.9	88.0	1	3.3	30	40	
VPACT3S3-T4-Z	36000	460/3/60	36	34	46.25	1 FPT	13.0	1	3.5	7.1	44.0	1	1.6	15	20	
VPACT4S3-S2-Z	43200	208-230/1/60	56	34	47.25	1 FPT	13.0	1	4	25.0	132.0	1	3.3	45	60	
VPACT4S3-T3-Z	43200	208-230/3/60	56	34	47.25	1 FPT	13.0	1	4	15.0	115.0	1	3.3	35	45	
VPACT4S3-T4-Z	43200	460/3/60	56	34	47.25	1 FPT	13.0	1	4	7.4	48.0	1	1.6	15	20	
VPACT5S3-S2-Z	58800	208-230/1/60	56	34	47.25	1 FPT	24.0	1	5	30.1	175.0	1	3.3	60	80	
VPACT5S3-T3-Z	58800	208-230/3/60	56	34	47.25	1 FPT	24.0	1	5	20.7	115.0	1	3.3	40	50	
VPACT5S3-T4-Z	58800	460/3/60	56	34	47.25	1 FPT	24.0	1	5	8.9	63.0	1	1.6	20	25	
VPACT6S3-T3-Z	66000	208-230/3/60	56	34	47.25	1 FPT	24.0	1	6	20.7	156.0	1	3.3	40	50	
VPACT6S3-T4-Z	66000	460/3/60	56	34	47.25	1 FPT	24.0	1	6	11.5	70.0	1	1.6	20	30	
VPACT7S3-T3-Z	91200	208-230/3/60	85	34	47.25	1 1/4 FPT	31.0	1	8	32.1	195.0	2	2.2	60	80	
VPACT7S3-T4-Z	91200	460/3/60	85	34	47.25	1 1/4 FPT	31.0	1	8	16.4	95.0	2	1.6	30	40	
VPACT8S3-T3-Z	102000	208-230/3/60	85	34	47.25	1 1/4 FPT	31.0	1	9	33.6	225.0	2	3.3	60	90	
VPACT8S3-T4-Z	102000	460/3/60	85	34	47.25	1 1/4 FPT	31.0	1	9	17.3	114.0	2	1.6	30	45	
VPACT10S3-T3-Z	117600	208-230/3/60	85	34	47.25	1 1/4 FPT	31.0	1	10	41.4	239.0	2	3.3	70	110	
VPACT10S3-T4-Z	117600	460/3/60	85	34	47.25	1 1/4 FPT	31.0	1	10	19.2	125.0	2	1.6	35	45	

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PACKAGED AIR COOLED CHILLER

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES



FRACTIONAL WITH TANK, R134a

- Capacity rated 95°F ambient, 50°F LWT
- ETL listed
- Microprocessor controller
- Hermetic compressor
- Stainless steel, brazed plate evaporator with 1/2" insulation and secured in a steel bracket
- Casters (factory mounted)
- Fused, stainless steel chiller process pump
- Insulated polyethylene storage tank
- 24V control transformer
- Tubeaxial condenser fan
- Copper tube/aluminum fin condenser coil
- Compressor motor contactor
- Control circuit fuse
- Painted, galvanized sheet metal cabinet
- 1/2" insulation on all water and low pressure refrigerant lines
- Liquid line drier, sightglass, solenoid, TEV
- Complete refrigerant charge from factory



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor			Fan Motor			MCA	Max. Fuse	Price	
			L	W	H			Qty	HP	Compressor	RLA Ea.	LRA Ea.	Qty				FLA Ea.
FPACT25S1-S1-H	2850	115/1/60	29	19.25	30.5	3/4 FPT	3.0	1	1/4	NEK6170Z	3.9	28.5	1	0.81	15	15	☎
FPACT33S1-S1-H	3400	115/1/60	29	19.25	30.5	3/4 FPT	3.0	1	1/3	NEK6187Z	4.6	37.0	1	0.81	15	15	☎
FPACT50S1-S1-H	6200	115/1/60	29	19.25	30.5	3/4 FPT	3.0	1	1/2	T6215Z	11.0	45.0	1	0.81	20	25	☎
FPACT75S1-S1-H	9200	115/1/60	29	24.25	34.5	3/4 FPT	3.0	1	3/4	RR81C2E	15.2	66.3	2	0.81	30	40	☎
FPACT100S1-S1-H	10600	115/1/60	29	24.25	34.5	3/4 FPT	3.0	1	1	RR10K2E	16.9	78.0	2	0.81	30	40	☎

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PACKAGED WATER COOLED CHILLER



PACKAGED WATER COOLED CHILLER, SCREW COMPRESSOR, DUAL CIRCUIT, R407C R404A

Standard Features (Cont'd.)

- Stainless Steel Brazed Plate Evaporator: Fully insulated and selected upon application requirements
- Water Flow Switch: Protects against process fluid freezing caused by fluid pump failure
- Compressor Vibration Eliminators: Eliminates vibration transfer and reduces noise
- Galvanized Steel Metal Cabinet: Sturdy, corrosion resistant, professional appearance
- Insulated Process Fluid Lines: Maximum thermal efficiency
- Factory Tested: Ensures unit meets performance design criteria and arrives in working order
- Electronic Expansion Valves: Added consistency, efficiency, and control
- Full Refrigerant Charge: Hassle free and more efficient installation
- NEMA 3R Rated Electrical: Indoor/outdoor use
- Phase monitor

Available Options

- Extended Warranty: 5 year extended compressor warranty available (+2 years)
- Electrical: Compressor fusing, disconnects and more
- Stainless Steel Pumps: On board pumps in multiple configurations and options
- Shell and Tube Evaporator Barrel: Fully insulated and selected upon application requirements
- Fluid Piping Upgrades: Flow meters, pressure gauges, low flow bypass valves, and more
- Marine Environments: Marine-duty condensers for salt water applications
- Water regulating valves for varying condenser water temperatures
- Service outlets, evaporator heat tape, etc...

Standard Features

- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Hanbell Screw Compressor: Robust, long lasting, rebuildable compressor with 3 year standard warranty
- Stepped Capacity Control: Allows for soft-start and stepless capacity control from 25-100%
- Suction Accumulator: Protects the compressor from damage caused by liquid flood back
- Compressor Crankcase Heater: Prevents compressor damage caused by liquid refrigerant on startup
- Shell and Tube Barrel Condensers: Fully insulated and selected upon application requirements



Part No.	Nominal Capacity (BTUH)	Voltage	Dimensions (In.)			Process Fluid (In.)	Compressor			MCA (Amps)	Max. Fuse	Price	
			L	W	H		HP	Qty	RLA				LRA
PWC800D3-T3-T	736000	208-230/3/60	168	48	67	3	38	2	136	480.0	310	440	
PWC800D3-T4-T	736000	460/3/60	168	48	67	3	38	2	68	240.0	160	220	
PWC1000D3-T3-T	982000	208-230/3/60	168	48	77	3	50	2	180	650.0	410	580	
PWC1000D3-T4-T	982000	460/3/60	168	48	77	3	50	2	90	325.0	210	290	
PWC1200D3-T3-T	1268000	208-230/3/60	168	48	77	4	66	2	238	970.0	540	770	
PWC1200D3-T4-T	1268000	460/3/60	168	48	77	4	66	2	119	485.0	270	380	
PWC1400D3-T3-T	1423000	208-230/3/60	186	54	77	4	70	2	254	970.0	580	820	
PWC1400D3-T4-T	1423000	460/3/60	186	54	77	4	70	2	127	485.0	290	410	
PWC1600D3-T3-T	1732000	208-230/3/60	186	54	77	5	81	2	304	440.0	690	980	
PWC1600D3-T4-T	1732000	460/3/60	186	54	77	5	81	2	152	720.0	350	490	
PWC1800D3-T3-T	1892000	208-230/3/60	186	54	77	5	90	2	340	440.0	770	1100	
PWC1800D3-T4-T	1892000	460/3/60	186	54	77	5	90	2	170	720.0	390	550	
PWC2000D3-T3-T	2240000	208-230/3/60	186	54	77	5	107	2	384	630.0	870	1240	
PWC2000D3-T4-T	2240000	460/3/60	186	54	77	5	107	2	192	815.0	440	620	

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PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

PACKAGED WATER COOLED CHILLER



Standard Features

- Advanced microprocessor: BMS, BAS communications, remote access, monitoring services
- Drake microprocessor controller
- (1-12 HP) 316 stainless steel (copper brazed) plate evaporator with 1/2" insulation and secured in a steel bracket
- Water flow switch
- Control circuit fusing
- 24V control transformer
- Removable/hinged control access panel
- Semi-hermetic compressor with crankcase heater
- Compressor contactors
- Compressor vibration eliminators & spring isolator kit
- Compressor oil safety control

SEMI-HERMETIC COMPRESSOR

Standard Features (Cont'd.)

- Condenser(s): shell and tube
- Liquid line drier, sightglass, solenoid, TEV
- Replaceable core liquid line drier (15 to 120 HP) Galvanized steel sheet metal base frame
- 1/2" insulation on all water and refrigerant suction lines
- Complete refrigerant charge from factory
- Computerized factory run test under load conditions
- Phase monitor

Available Options

- 1 step compressor cylinder unloading
- 2 step unloading (6 cylinder compressors only)
- Compressor fusing
- Fused disconnect
- Factory installed heat tape freeze protection, thermostatically controlled
- Special piping for de-ionized and reverse osmosis water systems
- Fused STAINLESS STEEL process pump with unions and ball valves
- Dual system process pump with manual or auto changeover
- Water flow meter
- CUNI (marine) condenser
- 4 year extended compressor warranty
- Hot gas by-pass capacity control with solenoid valve & time delay relay
- Factory assisted start-up
- Shell and tube evaporator barrel



SCROLL COMPRESSOR

- Stainless steel brazed plate evaporator
- Painted galvanized sheet metal cabinet on models 12S-120S and models 72D-240D
- Scroll compressors with crankcase heater
- Hot gas by-pass capacity control on standard scroll models (not -ZD or tandem models)
- Condenser(s): coaxial steel / copper tube (up to 240D model)
- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Liquid line drier, sightglass, solenoid, TEV
- Water flow switch, suction accumulator



SCROLL COMPRESSOR WITH TANK

Additional features for Tank models:

- Fused stainless steel re-circulation pump for tank operation with ball valves and cleanable strainer
- Stainless steel storage tank with 1/2" insulation
- Tank pressure relief valve, vent and drain connections
- Tank site glass



For specifications of Water Cooled Equipment please consult United Refrigeration customer service or call Drake (888-289-7299)

SPLIT SYSTEM AIR COOLED CHILLER



ES100S3-T3-S

SEMI-HERMETIC COMPRESSOR

Standard Features

- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Water flow switch
- Suction accumulator
- Remote condenser
- Condenser fan, and control circuit fusing
- Condenser fan motor contactors
- Semi-hermetic compressor with crankcase heater
- Compressor vibration eliminators and spring isolator kit
- Compressor motor contactor
- Compressor oil safety control
- 24V control transformer
- Liquid line drier, sightglass, solenoid, TEV
- Refrigerant discharge/liquid access valves
- Galvanized steel base frame
- 1/2" insulation on all water and refrigerant lines
- Complete refrigerant charge from factory (not including field piping)
- Factory run test under load conditions



SEMI-HERMETIC COMPRESSOR, EVAPORATOR, SINGLE CIRCUIT, R407C R404A

Part No.	Nominal Capacity (BTUH)	Voltage	Dimensions (In.)			Process Fluid (In.)	Compressor HP	RLA	LRA	Fan Motor		MCA	MOP	Condenser	Price
			L	W	H					Qty	FLA				
ES100S3-T3-S	128400	208-230/3/60	65	34	42	1 1/4 FPT	10	43.6	215.0	2	3.3	60	100	CS120S	☎
ES100S3-T4-S	128400	460/3/60	65	34	42	1 1/4 FPT	10	20	106.0	2	1.6	30	45	CS120S	☎
ES120S3-T3-S	145200	208-230/3/60	65	34	42	1 1/4 FPT	12	48.1	275.0	2	3.3	70	110	CS120S	☎
ES120S3-T4-S	145200	460/3/60	65	34	42	1 1/4 FPT	12	23.6	138.0	2	1.6	30	50	CS120S	☎
ES150S3-T3-S	148800	208-230/3/60	65	34	42	2 MPT	15	59.6	275.0	2	2.3	80	125	DCM016	☎
ES150S3-T4-S	148800	460/3/60	65	34	42	2 MPT	15	29	138.0	2	1.2	40	60	DCM016	☎
ES200S3-T3-S	171600	208-230/3/60	65	34	60	2 MPT	20	66.6	308.0	2	2.3	90	150	DCM020	☎
ES200S3-T4-S	171600	460/3/60	65	34	60	2 MPT	20	33.3	154.0	2	1.2	45	80	DCM020	☎
ES220S3-T3-S	195600	208-230/3/60	65	34	60	2 1/2 MPT	22	65.6	374.0	2	2.3	90	150	DCM024	☎
ES220S3-T4-S	195600	460/3/60	65	34	60	2 1/2 MPT	22	32.8	187.0	2	1.2	45	70	DCM024	☎
ES250S3-T3-S	223200	208-230/3/60	65	34	60	2 1/2 MPT	25	82.1	428.0	3	2.3	110	175	DCM030	☎
ES250S3-T4-S	223200	460/3/60	65	34	60	2 1/2 MPT	25	41.1	214.0	3	1.2	60	90	DCM030	☎
ES301S3-T3-S	309600	208-230/3/60	65	34	60	2 1/2 MPT	30	105	565.0	3	2.3	150	225	DCM035	☎
ES301S3-T4-S	309600	460/3/60	65	34	60	2 1/2 MPT	30	52.5	283.0	3	1.2	70	110	DCM035	☎
ES351S3-T3-S	321600	208-230/3/60	85	34	60	2 1/2 MPT	35	117.1	550.0	4	2.3	175	250	DCM040	☎
ES351S3-T4-S	321600	460/3/60	85	34	60	2 1/2 MPT	35	58.6	275.0	4	1.2	80	125	DCM040	☎
ES400S3-T3-S	352000	208-230/3/60	85	34	60	3 MPT	40	157.1	700.0	4	2.3	225	350	DCM040	☎
ES400S3-T4-S	352000	460/3/60	85	34	60	3 MPT	40	78.6	350.0	4	1.2	110	175	DCM040	☎
ES500S3-T3-S	441600	208-230/3/60	85	34	60	3 MPT	50	160	950.0	6	2.3	200	350	DCM060	☎
ES500S3-T4-S	441600	460/3/60	85	34	60	3 MPT	50	80	425.0	6	1.2	100	175	DCM060	☎

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

Contact your United branch or call Drake directly (888-289-7299) for technical assistance. Due to the manufacturer's policy of continuous product improvement, the manufacturer reserves the right to make changes without notice. Please contact your local United Refrigeration Branch or our Customer Service Center for pricing.

SPLIT SYSTEM AIR COOLED CHILLER



SEMI-HERMETIC COMPRESSOR, EVAPORATOR, DUAL CIRCUIT, R407C R404A

Part No.	Nominal Capacity (BTUH)	Voltage	Dimensions (In.)			Process Fluid (In.)	Compressor HP	RLA	LRA	Fan Motor		MCA	MOP	Condenser	Price
			L	W	H					Qty	FLA				
ES150D3-T3-S	188400	208-230/3/60	85	34	42	2 1/2 MPT	7.5	41	215.0	2	2.3	100	125	DCM020	☎
ES150D3-T4-S	188400	460/3/60	85	34	42	2 1/2 MPT	7.5	20	106.0	2	1.2	50	60	DCM020	☎
ES200D3-T3-S	222000	208-230/3/60	85	34	42	2 1/2 MPT	10	43.6	215.0	2	2.3	110	125	DCM024	☎
ES200D3-T4-S	222000	460/3/60	85	34	42	2 1/2 MPT	10	20	106.0	2	1.2	50	60	DCM024	☎
ES240D3-T3-S	265200	208-230/3/60	85	34	60	2 1/2 MPT	12	48.1	275.0	3	2.3	125	150	DCM030	☎
ES240D3-T4-S	265200	460/3/60	85	34	60	2 1/2 MPT	12	23.6	138.0	3	1.2	60	80	DCM030	☎
ES300D3-T3-S	300000	208-230/3/60	85	34	60	2 1/2 MPT	15	59.6	275.0	3	2.3	150	200	DCM035	☎
ES300D3-T4-S	300000	460/3/60	85	34	60	2 1/2 MPT	15	29	138.0	3	1.2	70	90	DCM035	☎
ES400D3-T3-S	339600	208-230/3/60	85	34	60	2 1/2 MPT	20	66.6	308.0	4	2.3	175	225	DCM040	☎
ES400D3-T4-S	339600	460/3/60	85	34	60	2 1/2 MPT	20	33.3	154.0	4	1.2	80	110	DCM040	☎
ES440D3-T3-S	392400	208-230/3/60	85	34	60	3 MPT	22	65.6	374.0	4	2.3	175	200	DCM047	☎
ES440D3-T4-S	392400	460/3/60	85	34	60	3 MPT	22	32.8	187.0	4	1.2	80	110	DCM047	☎
ES500D3-T3-S	446400	208-230/3/60	85	34	60	3 MPT	25	82.1	428.0	6	2.3	200	250	DCM060	☎
ES500D3-T4-S	446400	460/3/60	85	34	60	3 MPT	25	41.1	214.0	6	1.2	100	125	DCM060	☎
ES601D3-T3-S	627600	208-230/3/60	110	34	60	3 MPT	30	105	565.0	6	2.3	250	350	DCM070	☎
ES601D3-T4-S	627600	460/3/60	110	34	60	3 MPT	30	52.5	283.0	6	1.2	150	175	DCM070	☎
ES701D3-T3-S	650400	208-230/3/60	110	34	60	4 FIng	35	117	550.0	8	2.3	300	400	DCM082	☎
ES701D3-T4-S	650400	460/3/60	110	34	60	4 FIng	35	58.6	275.0	8	1.2	150	200	DCM082	☎
ES800D3-T3-S	720000	208-230/3/60	110	34	60	4 FIng	40	157.1	700.0	8	2.3	400	500	DCM095	☎
ES800D3-T4-S	720000	460/3/60	110	34	60	4 FIng	40	78.6	350.0	8	1.2	175	250	DCM095	☎
ES1000D3-T3-S	879600	208-230/3/60	120	34	66	4 FIng	50	160	950.0	6	6.6	400	550	DCL112	☎
ES1000D3-T4-S	879600	460/3/60	120	34	66	4 FIng	50	80	425.0	6	3.1	200	250	DCL112	☎

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

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SCROLL COMPRESSOR

Standard Features (Cont'd.)

- Condenser(s): copper tube/aluminum fi
- Compressor motor contactor
- Condenser motor and control circuit fusing
- Painted galvanized sheet metal cabinet
- 1/2" insulation on all water and refrigerant lines
- Liquid line drier, sightglass, solenoid, TEV
- Full refrigerant charge from factory (not including field piping)
- "Hard start kit" (single phase units only)
- Phase monitor

Available Options

- Remote touchscreen panel
- 4 year extended compressor warranty
- Casters (factory mounted)
- 115 volt (rain tight) service outlet
- Fused disconnect
- Compressor fusing
- EC fan motor (s) (+10°F)
- Flooded condenser with receiver/head pressure control (-20°F)
- Heated flooded condenser with receiver/head pressure control (-40°F)
- Factory installed evaporator heat tape freeze protection thermostatically controlled
- Water pressure gauge set
- Fused stainless steel with unions and ball valves process pump
- Dual system pump with manual changeover or autochangeover
- Low flow bypass valv
- Electroplated, copper or heresite finned condenser coil (coastal protection)
- Shell and tube evaporator barrel
- Water flow mete
- Auto city water make up solenoid
- Auto city water changeover panel with 5 micron filter optio
- Special piping for de-ionized and reverse osmosis water systems

Standard Features

- ETL listed
- Remote condenser section
- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Stainless steel brazed plate evaporator with 1/2" insulation and secured in a steel bracket
- Scroll compressor (digital scroll for -ZD models) with crankcase heater
- Suction accumulator
- Water flow switc
- Hot gas by-pass capacity control on standard scroll models (not -ZD or tandem models)
- 24V control transformer
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade

SCROLL COMPRESSOR, EVAPORATOR, SINGLE CIRCUIT, R407C R404A



Part No.	BTUH at 95°F Amb. 45°F Lwt	Dimensions (In.)			Process Fluid (In.)	Compressor HP	RLA	LRA	Fan Motor		MCA	MOP	Condenser	Wgt (Lbs.)	Price
		L	W	H					Qty	FLA					
ES12S3-S2-Z	14400	44	28	26	3/4 FPT	1.3	10.0	42.0	1	3.3	20	25	CS12S	225	☎
ES18S3-S2-Z	20400	44	28	26	3/4 FPT	2	15.7	61.0	1	3.3	25	40	CS18S	225	☎
ES18S3-T3-Z	20400	44	28	26	3/4 FPT	2	8.9	55.0	1	3.3	15	20	CS18S	225	☎
ES18S3-T4-Z	20400	44	28	26	3/4 FPT	2	4.3	27.0	1	1.6	15	15	CS18S	225	☎
ES24S3-S2-Z	24000	44	28	26	1 FPT	2.5	15.7	73.0	1	3.3	25	40	CS24S	370	☎
ES24S3-T3-Z	24000	44	28	26	1 FPT	2.5	8.2	63.0	1	3.3	15	20	CS24S	370	☎
ES24S3-T4-Z	24000	44	28	26	1 FPT	2.5	4.3	31.0	1	1.6	15	15	CS24S	370	☎
ES30S3-S2-Z	32400	44	28	26	1 FPT	3.5	20.7	127.0	1	3.3	30	45	CS30S	500	☎
ES30S3-T3-Z	32400	44	28	26	1 FPT	3.5	13.9	88.0	1	3.3	25	30	CS30S	500	☎
ES30S3-T4-Z	32400	44	28	26	1 FPT	3.5	7.1	44.0	1	1.6	15	15	CS30S	500	☎
ES36S3-S2-Z	39600	44	28	26	1 FPT	4	25.0	132.0	1	3.3	35	50	CS36S	500	☎
ES36S3-T3-Z	39600	44	28	26	1 FPT	4	15.0	115.0	1	3.3	25	35	CS36S	500	☎
ES36S3-T4-Z	39600	44	28	26	1 FPT	4	7.4	48.0	1	1.6	15	15	CS36S	500	☎
ES48S3-S2-Z	52800	44	28	26	1 FPT	5	30.1	175.0	1	3.3	45	70	CS48S	550	☎
ES48S3-T3-Z	52800	44	28	26	1 FPT	5	20.7	115.0	1	3.3	30	45	CS48S	550	☎
ES48S3-T4-Z	52800	44	28	26	1 FPT	5	8.9	63.0	1	1.6	15	20	CS48S	550	☎

Continued...

SPLIT SYSTEM AIR COOLED CHILLER



SCROLL COMPRESSOR, EVAPORATOR, SINGLE CIRCUIT, R407C R404A (CONT'D.)

Part No.	BTUH at 95°F Amb. 45°F Lwt	Dimensions (In.)			Process Fluid (In.)	Compressor HP	RLA	LRA	Fan Motor				Condenser	Wgt (Lbs.)	Price
		L	W	H					Qty	FLA	MCA	MOP			
ES50S3-S2-Z	56400	44	28	26	1 FPT	5	27.9	129.0	1	3.3	40	60	CS50S	575	☎
ES60S3-T3-Z	60000	44	28	26	1 FPT	6	20.7	156.0	1	3.3	30	45	CS60S	600	☎
ES60S3-T4-Z	60000	44	28	26	1 FPT	6	11.5	70.0	1	1.6	20	25	CS60S	600	☎
ES70S3-T3-Z	84000	44	28	37	1 1/4 FPT	8	32.1	195.0	2	3.3	50	70	CS70S	700	☎
ES70S3-T4-Z	84000	44	28	37	1 1/4 FPT	8	16.4	95.0	2	1.6	25	40	CS70S	700	☎
ES80S3-T3-Z	92400	44	28	37	1 1/4 FPT	9	33.6	225.0	2	3.3	50	80	CS80S	725	☎
ES80S3-T4-Z	92400	44	28	37	1 1/4 FPT	9	17.3	114.0	2	1.6	25	40	CS80S	725	☎
ES90S3-T3-Z	108000	44	28	37	1 1/4 FPT	10	41.4	239.0	2	3.3	50	90	CS90S	750	☎
ES90S3-T4-Z	108000	44	28	37	1 1/4 FPT	10	19.2	125.0	2	1.6	30	45	CS90S	750	☎
ES120S3-T3-Z	134400	44	28	37	1 1/4 FPT	12	55.0	300.0	2	3.3	80	125	CS120S	850	☎
ES120S3-T4-Z	134400	44	28	37	1 1/4 FPT	12	25.7	150.0	2	1.6	40	60	CS120S	850	☎
ES180S3-T3-Z	148800	65	34	42	2 MPT	15	60.0	340.0	2	2.3	80	125	DCM024	850	☎
ES180S3-T4-Z	148800	65	34	42	2 MPT	15	31.4	173.0	2	1.2	45	70	DCM024	850	☎
ES250S3-T3-Z	210000	65	34	42	2 1/2 MPT	20	81.4	505.0	2	2.3	100	175	DCM030	950	☎
ES250S3-T4-Z	210000	65	34	42	2 1/2 MPT	20	37.9	225.0	2	1.2	60	80	DCM030	950	☎
ES300S3-T3-Z	253200	65	34	42	2 1/2 MPT	25	100.0	500.0	2	2.3	125	225	DCM035	1000	☎
ES300S3-T4-Z	253200	65	34	42	2 1/2 MPT	25	48.6	250.0	2	1.2	70	110	DCM035	1000	☎
ES380S3-T3-Z	295200	—	34	42	2 1/2 MPT	30	121.4	599.0	4	2.3	150	250	DCM047	1000	☎
ES380S3-T4-Z	295200	—	34	42	2 1/2 MPT	30	59.3	310.0	4	1.2	80	125	DCM047	1000	☎

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES



DIGITAL SCROLL, EVAPORATOR, SINGLE CIRCUIT, R407C R404A

Part No.	Nominal Capacity (BTUH)	Voltage	Dimensions (In.)			Process Fluid (In.)	Comp. HP	RLA	LRA	Fan Motor				Condenser	Wgt (Lbs.)	Price
			L	W	H					Qty	FLA	MCA	MOP			
ES36S3-T3-ZD	39600	208-230/3/60	44	28	26	1 FPT	4	14.6	99.0	1	3.3	25	35	CS36S	500	☎
ES36S3-T4-ZD	39600	460/3/60	44	28	26	1 FPT	4	6.9	48.0	1	1.6	15	15	CS36S	500	☎
ES48S3-T3-ZD	52800	208-230/3/60	44	28	26	1 FPT	5	20.7	128.0	1	3.3	30	50	CS48S	550	☎
ES48S3-T4-ZD	52800	460/3/60	44	28	26	1 FPT	5	8.9	63.0	1	1.6	15	20	CS48S	550	☎
ES60S3-T3-ZD	60000	208-230/3/60	44	28	26	1 FPT	6	20.1	156.0	1	3.3	30	45	CS60S	600	☎
ES60S3-T4-ZD	60000	460/3/60	44	28	26	1 FPT	6	9.1	75.0	1	1.6	15	20	CS60S	600	☎
ES70S3-T3-ZD	84000	208-230/3/60	44	28	37	1 1/4 FPT	8	32.1	195.0	2	3.3	50	70	CS70S	700	☎
ES70S3-T4-ZD	84000	460/3/60	44	28	37	1 1/4 FPT	8	16.4	95.0	2	1.6	25	35	CS70S	700	☎
ES90S3-T3-ZD	108000	208-230/3/60	44	28	37	1 1/4 FPT	10	41.4	239.0	2	3.3	60	100	CS90S	750	☎
ES90S3-T4-ZD	108000	460/3/60	44	28	37	1 1/4 FPT	10	19.2	125.0	2	1.6	30	45	CS90S	750	☎

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SCROLL COMPRESSOR, EVAPORATOR, DUAL CIRCUIT, R407C R404A

Part No.	BTUH at 95°F Amb. 45°F Lwt	Dimensions (In.)			Process Fluid (In.)	Compressor HP	RLA	LRA	Fan Motor				Condenser	Wgt (Lbs.)	Price
		L	W	H					Qty	FLA	MCA	MOP			
ES72D3-S2-Z	80400	65	30	39	1 1/4 FPT	4	25.0	132.0	2	3.3	70	80	CS72D	900	☎
ES72D3-T3-Z	80400	65	30	39	1 1/4 FPT	4	15.0	115.0	2	3.3	45	50	CS72D	900	☎
ES72D3-T4-Z	80400	65	30	39	1 1/4 FPT	4	7.4	48.0	2	1.6	20	25	CS72D	900	☎
ES96D3-S2-Z	105800	65	30	39	1 1/4 FPT	5	30.1	175.0	2	3.3	80	100	CS96D	1000	☎
ES96D3-T3-Z	105800	65	30	39	1 1/4 FPT	5	20.7	115.0	2	3.3	60	70	CS96D	1000	☎
ES96D3-T4-Z	105800	65	30	39	1 1/4 FPT	5	8.9	63.0	2	1.6	25	30	CS96D	1000	☎
ES100D3-S2-Z	111600	65	30	39	1 1/4 FPT	5	27.9	129.0	2	3.3	70	80	CS100D	1100	☎
ES120D3-T3-Z	118800	65	30	39	1 1/4 FPT	6	20.7	156.0	2	3.3	60	70	CS120D	1250	☎
ES120D3-T4-Z	118800	65	30	39	1 1/4 FPT	6	11.5	70.0	2	1.6	30	40	CS120D	1250	☎
ES140D3-T3-Z	162000	65	30	39	1 1/4 FPT	8	32.1	195.0	2	3.3	80	110	CS140D	1400	☎
ES140D3-T4-Z	162000	65	30	39	1 1/4 FPT	8	16.4	95.0	2	1.6	45	50	CS140D	1400	☎
ES160D3-T3-Z	183600	65	30	39	1 1/4 FPT	9	33.6	225.0	2	3.3	90	110	CS160D	1450	☎
ES160D3-T4-Z	183600	65	30	39	1 1/4 FPT	9	17.3	114.0	2	1.6	45	50	CS160D	1450	☎
ES180D3-T3-Z	210000	65	30	39	1 1/2 FPT	10	41.4	239.0	2	3.3	100	125	CS180D	1500	☎
ES180D3-T4-Z	210000	65	30	39	1 1/2 FPT	10	19.2	125.0	2	1.6	50	60	CS180D	1500	☎
ES240D3-T3-Z	264000	65	30	39	1 1/2 FPT	12	55.0	300.0	4	3.3	150	175	CS240D	1750	☎
ES240D3-T4-Z	264000	65	30	39	1 1/2 FPT	12	25.7	150.0	4	1.6	70	80	CS240D	1750	☎
ES360D3-T3-Z	307200	85	34	42	2 1/2 MPT	15	60.0	340.0	4	2.3	150	200	DCM047	1500	☎
ES360D3-T4-Z	307200	85	34	42	2 1/2 MPT	15	31.4	173.0	4	1.2	80	100	DCM047	1500	☎
ES500D3-T3-Z	415200	85	34	42	3 MPT	20	81.4	505.0	6	2.3	200	250	DCM060	1600	☎
ES500D3-T4-Z	415200	85	34	42	3 MPT	20	37.9	225.0	6	1.2	100	125	DCM060	1600	☎
ES600D3-T3-Z	514800	85	34	42	3 MPT	25	100.0	500.0	8	2.3	225	300	DCM082	1700	☎
ES600D3-T4-Z	514800	85	34	42	3 MPT	25	48.6	250.0	8	1.2	125	150	DCM082	1700	☎
ES760D3-T3-Z	618000	85	34	42	4 FIng	30	121.4	599.0	8	2.3	300	400	DCM095	1700	☎
ES760D3-T4-Z	618000	85	34	42	4 FIng	30	59.3	310.0	8	1.2	125	200	DCM095	1700	☎



DIGITAL SCROLL, EVAPORATOR, DUAL CIRCUIT, R407C R404A

Part No.	Nominal Capacity (BTUH)	Voltage	Dimensions (In.)			Process Fluid (In.)	Comp. HP	RLA	LRA	Fan Motor				Condenser	Wgt (Lbs.)	Price
			L	W	H					Qty	FLA	MCA	MOP			
ES72D3-T3-ZD	80400	208-230/3/60	65	30	39	1 1/4 FPT	4	14.6	99.0	2	3.3	45	50	CS72D	900	☎
ES72D3-T4-ZD	80400	460/3/60	65	30	39	1 1/4 FPT	4	6.9	48.0	2	1.6	20	25	CS72D	900	☎
ES96D3-T3-ZD	105800	208-230/3/60	65	30	39	1 1/4 FPT	5	20.7	128.0	2	3.3	60	70	CS96D	1000	☎
ES96D3-T4-ZD	105800	460/3/60	65	30	39	1 1/4 FPT	5	8.9	63.0	2	1.6	25	30	CS96D	1000	☎
ES120D3-T3-ZD	118800	208-230/3/60	65	30	39	1 1/4 FPT	6	20.1	156.0	2	3.3	60	70	CS120D	1150	☎
ES120D3-T4-ZD	118800	460/3/60	65	30	39	1 1/4 FPT	6	9.1	75.0	2	1.6	25	30	CS120D	1150	☎
ES140D3-T3-ZD	162000	208-230/3/60	65	30	39	1 1/2 FPT	8	32.1	195.0	2	3.3	80	110	CS140D	1400	☎
ES140D3-T4-ZD	162000	460/3/60	65	30	39	1 1/2 FPT	8	16.4	95.0	2	1.6	45	50	CS140D	1400	☎
ES180D3-T3-ZD	210000	208-230/3/60	65	30	39	1 1/2 FPT	10	41.4	239.0	2	3.3	110	125	CS180D	1500	☎
ES180D3-T4-ZD	210000	460/3/60	65	30	39	1 1/2 FPT	10	19.2	125.0	2	1.6	50	60	CS180D	1500	☎

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PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

SPLIT SYSTEM AIR COOLED CHILLER

SCROLL COMPRESSOR, EVAPORATOR, SINGLE CIRCUIT, WITH TANK

Standard Features for Tank Models

- Stainless steel recirculation tank with 1/2" insulation
- Fused stainless steel recirculation pump for tank operation with unions, ball valves, and cleanable strainer
- Tank pressure relief valve, vent and drain connections
- Tank sight glass

Options for Tank Models (bold face type)

- Tank low liquid level indicator with dry contacts
- Process pump VFD
- Tank heater



SCROLL COMPRESSOR, EVAPORATOR SINGLE CIRCUIT, WITH TANK, R407C R404A

Part No.	BTUH at 95°F Amb. 45°F Lwt	Dimensions (In.)			Process Fluid (In.)	Comp. HP	Tank (Gal.)	RLA	LRA	Fan Motor		MCA	MOP	Condenser	Wgt (Lbs.)	Price
		L	W	H						Qty	FLA					
EST12S3-S2-Z	14000	36	34	53	3/4 FPT	1.3	30	10	42.0	1	3.3	25	30	CS12S	550	☎
EST18S3-S2-Z	18000	36	34	53	3/4 FPT	2	30	13.6	61.0	1	3.3	30	40	CS18S	600	☎
EST18S3-T3-Z	18000	36	34	53	3/4 FPT	2	30	8.6	55.0	1	3.3	20	25	CS18S	600	☎
EST18S3-T4-Z	18000	36	34	53	3/4 FPT	2	30	4.3	27.0	1	1.6	15	15	CS18S	600	☎
EST24S3-S2-Z	22000	36	34	53	1 FPT	2.5	30	15.7	73.0	1	3.3	30	40	CS24S	650	☎
EST24S3-T3-Z	22000	36	34	53	1 FPT	2.5	30	8.2	63.0	1	3.3	20	25	CS24S	650	☎
EST24S3-T4-Z	22000	36	34	53	1 FPT	2.5	30	4.3	31.0	1	1.6	15	15	CS24S	650	☎
EST30S3-S2-Z	28800	36	34	53	1 FPT	3.5	30	20.7	127.0	1	3.3	35	50	CS30S	700	☎
EST30S3-T3-Z	28800	36	34	53	1 FPT	3.5	30	13.9	88.0	1	3.3	30	35	CS30S	700	☎
EST30S3-T4-Z	28800	36	34	53	1 FPT	3.5	30	7.1	44.0	1	1.6	15	15	CS30S	700	☎
EST36S3-S2-Z	36000	36	34	53	1 FPT	4	30	25.0	132.0	1	3.3	40	60	CS36S	800	☎
EST36S3-T3-Z	36000	36	34	53	1 FPT	4	30	15.0	115.0	1	3.3	30	40	CS36S	800	☎
EST36S3-T4-Z	36000	36	34	53	1 FPT	4	30	7.4	48.0	1	1.6	15	15	CS36S	800	☎
EST48S3-S2-Z	49200	56	34	63	1 FPT	5	60	30.1	175.0	1	3.3	50	70	CS48S	850	☎
EST48S3-T3-Z	49200	56	34	63	1 FPT	5	60	20.7	115.0	1	3.3	35	50	CS48S	850	☎
EST48S3-T4-Z	49200	56	34	63	1 FPT	5	60	8.9	63.0	1	1.6	15	20	CS48S	850	☎
EST50S3-S2-Z	51600	56	34	63	1 FPT	5	60	27.9	129.0	1	3.3	45	70	CS50S	875	☎
EST60S3-T3-Z	55200	56	34	63	1 FPT	6	60	20.7	156.0	1	3.3	35	50	CS60S	900	☎
EST60S3-T4-Z	55200	56	34	63	1 FPT	6	60	11.5	70.0	1	1.6	20	25	CS60S	900	☎
EST70S3-T3-Z	75600	85	34	63	1 FPT	8	60	32.1	195.0	2	3.3	60	80	CS70S	1100	☎
EST70S3-T4-Z	75600	85	34	63	1 FPT	8	60	16.4	95.0	2	1.6	25	35	CS70S	1100	☎
EST80S3-T3-Z	84000	85	34	63	1 1/4 FPT	9	90	33.6	225.0	2	3.3	60	80	CS80S	1150	☎
EST80S3-T4-Z	84000	85	34	63	1 1/4 FPT	9	90	17.3	114.0	2	1.6	30	40	CS80S	1150	☎
EST90S3-T3-Z	98400	85	34	63	1 1/4 FPT	10	90	42.0	239.0	2	3.3	70	100	CS90S	1250	☎
EST90S3-T4-Z	98400	85	34	63	1 1/4 FPT	10	90	19.2	125.0	2	1.6	30	45	CS90S	1250	☎
EST120S3-T3-Z	122400	85	34	63	1 1/4 FPT	12	90	47.0	300.0	2	3.3	90	125	CS120S	1300	☎
EST120S3-T4-Z	122400	85	34	63	1 1/4 FPT	12	90	22.1	150.0	2	1.6	40	60	CS120S	1300	☎

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

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DIGITAL SCROLL, EVAPORATOR SINGLE CIRCUIT, WITH TANK, R407C R404A

Part No.	Nominal Capacity (BTUH)	Voltage	Dimensions (In.)			Process Fluid (In.)	Comp. HP	Tank (Gal.)	RLA	LRA	Fan Motor		MCA	MOP	Condenser	Wgt (Lbs.)	Price
			L	W	H						Qty	FLA					
EST36S3-T3-ZD	36600	208-230/3/60	36	34	53	1 FPT	4	30	14.6	99.0	1	3.3	30	40	CS36S	800	☎
EST36S3-T4-ZD	36600	460/3/60	36	34	53	1 FPT	4	30	6.9	47.5	1	1.6	15	15	CS36S	800	☎
EST48S3-T3-ZD	48000	208-230/3/60	56	34	63	1 FPT	5	60	20.7	128.0	1	3.3	35	50	CS48S	850	☎
EST48S3-T4-ZD	48000	460/3/60	56	34	63	1 FPT	5	60	8.9	63.0	1	1.6	15	20	CS48S	850	☎
EST60S3-T3-ZD	54000	208-230/3/60	85	34	63	1 FPT	6	60	20.1	156.0	1	3.3	35	50	CS60S	900	☎
EST60S3-T4-ZD	54000	460/3/60	85	34	63	1 FPT	6	60	9.1	75.0	1	1.6	15	20	CS60S	900	☎
EST70S3-T3-ZD	73500	208-230/3/60	85	34	63	1 1/4 FPT	8	60	32.1	195.0	2	3.3	60	80	CS70S	1100	☎
EST70S3-T4-ZD	73500	460/3/60	85	34	63	1 1/4 FPT	8	60	16.4	95.0	2	1.6	30	40	CS70S	1100	☎
EST90S3-T3-ZD	95400	208-230/3/60	85	34	63	1 1/4 FPT	10	90	41.4	239.0	2	3.3	70	110	CS90S	1250	☎
EST90S3-T4-ZD	95400	460/3/60	85	34	63	1 1/4 FPT	10	90	19.2	125.0	2	1.6	35	45	CS90S	1250	☎

SCROLL COMPRESSOR, EVAPORATOR DUAL CIRCUIT, WITH TANK, R407C R404A

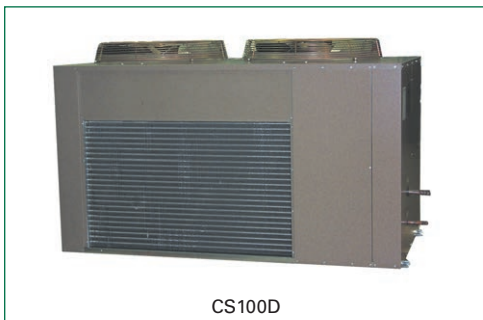
Part No.	BTUH at 95°F Amb. 45°F Lwt	Dimensions (In.)			Process Fluid (In.)	Comp. HP	Tank (Gal.)	RLA	LRA	Fan Motor		MCA	MOP	Condenser	Wgt (Lbs.)	Price
		L	W	H						Qty	FLA					
EST72D3-S2-Z	73200	85	34	63	1 1/4 FPT	4	60	25.0	132.0	2	3.3	70	90	CS72D	1350	☎
EST72D3-T3-Z	73200	85	34	63	1 1/4 FPT	4	60	15.0	115.0	2	3.3	50	60	CS72D	1350	☎
EST72D3-T4-Z	73200	85	34	63	1 1/4 FPT	4	60	7.4	48.0	2	1.6	25	25	CS72D	1350	☎
EST96D3-S2-Z	96000	85	34	63	1 1/4 FPT	5	90	30.1	175.0	2	3.3	90	110	CS96D	1400	☎
EST96D3-T3-Z	96000	85	34	63	1 1/4 FPT	5	90	20.7	115.0	2	3.3	70	80	CS96D	1400	☎
EST96D3-T4-Z	96000	85	34	63	1 1/4 FPT	5	90	8.9	63.0	2	1.6	30	35	CS96D	1400	☎
EST100D3-S2-Z	102000	85	34	63	1 1/4 FPT	5	90	27.9	129.0	2	3.3	80	100	CS100D	1450	☎
EST120D3-T3-Z	108000	85	34	63	1 1/4 FPT	6	90	20.7	156.0	2	3.3	70	80	CS120D	1500	☎
EST120D3-T4-Z	108000	85	34	63	1 1/4 FPT	6	90	11.5	70.0	2	1.6	35	40	CS120D	1500	☎
EST140D3-T3-Z	147000	85	34	63	1 1/2 FPT	8	90	32.1	195.0	2	3.3	90	110	CS140D	1700	☎
EST140D3-T4-Z	147000	85	34	63	1 1/2 FPT	8	90	16.4	95.0	2	1.6	45	50	CS140D	1700	☎
EST160D3-T3-Z	167000	85	34	63	1 1/2 FPT	9	135	33.6	225.0	2	3.3	100	110	CS160D	1800	☎
EST160D3-T4-Z	167000	85	34	63	1 1/2 FPT	9	135	17.3	114.0	2	1.6	45	60	CS160D	1800	☎
EST180D3-T3-Z	190800	85	34	63	1 1/2 FPT	10	135	41.4	239.0	2	3.3	110	125	CS180D	1900	☎
EST180D3-T4-Z	190800	85	34	63	1 1/2 FPT	10	135	19.2	125.0	2	1.6	50	60	CS180D	1900	☎
EST240D3-T3-Z	238800	85	34	63	1 1/2 FPT	12	135	55.0	300.0	4	3.3	125	150	CS240D	2100	☎
EST240D3-T4-Z	238800	85	34	63	1 1/2 FPT	12	135	25.7	150.0	4	1.6	60	70	CS240D	2100	☎

DIGITAL SCROLL, EVAPORATOR DUAL CIRCUIT, WITH TANK, R407C R404A

Part No.	Nominal Capacity (BTUH)	Voltage	Dimensions (In.)			Process Fluid (In.)	Comp. HP	Tank (Gal.)	RLA	LRA	Fan Motor		MCA	MOP	Cond.	Wgt (Lbs.)	Price
			L	W	H						Qty	FLA					
EST72D3-T3-ZD	73200	208-230/3/60	85	34	63	1 1/4 FPT	4	60	14.6	99.0	2	3.3	50	60	CS72D	1100	☎
EST72D3-T4-ZD	73200	460/3/60	85	34	63	1 1/4 FPT	4	60	6.9	47.5	2	1.6	25	25	CS72D	1100	☎
EST96D3-T3-ZD	96000	208-230/3/60	85	34	63	1 1/4 FPT	5	90	20.7	128.0	2	3.3	70	80	CS96D	1200	☎
EST96D3-T4-ZD	96000	460/3/60	85	34	63	1 1/4 FPT	5	90	8.9	63.0	2	1.6	30	35	CS96D	1200	☎
EST120D3-T3-ZD	108000	208-230/3/60	85	34	63	1 1/4 FPT	6	90	20.1	156.0	2	3.3	70	80	CS120D	1250	☎
EST120D3-T4-ZD	108000	460/3/60	85	34	63	1 1/4 FPT	6	90	9.1	75.0	2	1.6	30	35	CS120D	1250	☎
EST140D3-T3-ZD	147000	208-230/3/60	85	34	63	1 1/2 FPT	8	135	32.1	195.0	2	3.3	100	110	CS140D	1300	☎
EST140D3-T4-ZD	147000	460/3/60	85	34	63	1 1/2 FPT	8	135	16.4	95.0	2	1.6	45	60	CS140D	1300	☎
EST180D3-T3-ZD	190800	208-230/3/60	85	34	63	1 1/2 FPT	10	135	41.4	239.0	2	3.3	110	125	CS180D	1450	☎
EST180D3-T4-ZD	190800	460/3/60	85	34	63	1 1/2 FPT	10	135	19.2	125.0	2	1.6	50	60	CS180D	1450	☎

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

SPLIT SYSTEM AIR COOLED CHILLER



CS100D

REMOTE CONDENSER

Standard Features

- Aluminum fin, copper tube condenser assembl
- Condenser fan blade, four wiring propeller style
- Condenser fan duty motor, 1/2 HP, 1075 RPM, 1/2" shaft
- Control box with condenser fan motor electrical components
- Seal-tight electrical connections
- Painted galvanized steel metal cabinet



PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

Part No.	Dimensions (In.)			Fan Motor Qty	Fans Nominal Motor HP	Refrigerant Connections (In.)		Wgt (Lbs.)	Price
	L	W	H			Discharge	Liquid		
CS12S	36	36	40	1	1/4	1/2	3/8	125	☎
CS18S	36	36	40	1	1/4	1/2	3/8	135	☎
CS24S	36	36	40	1	1/2	1/2	3/8	145	☎
CS30S	36	36	40	1	1/2	1/2	3/8	200	☎
CS36S	56	36	40	1	1/2	5/8	1/2	225	☎
CS48S	56	36	40	1	1/2	5/8	1/2	245	☎
CS50S	56	36	40	1	1/2	5/8	1/2	255	☎
CS60S	56	36	40	1	1/2	5/8	1/2	255	☎
CS70S	65	36	40	2	3/4	3/4	5/8	355	☎
CS72D	75	36	47	2	1/2	5/8	1/2	500	☎
CS80S	65	36	40	2	3/4	3/4	5/8	355	☎
CS90S	65	36	40	2	3/4	3/4	5/8	355	☎
CS96D	75	36	47	2	1/2	5/8	1/2	525	☎
CS100D	75	36	47	2	1/2	5/8	1/2	650	☎
CS120D	75	36	47	2	1/2	5/8	1/2	650	☎
CS120S	65	36	40	2	3/4	3/4	5/8	400	☎
CS140D	85	40	47	2	3/4	3/4	5/8	750	☎
CS160D	85	40	47	2	3/4	3/4	5/8	750	☎
CS180D	85	40	47	2	3/4	3/4	5/8	750	☎
CS240D	66	75	49	4	3/4	3/4	5/8	1000	☎

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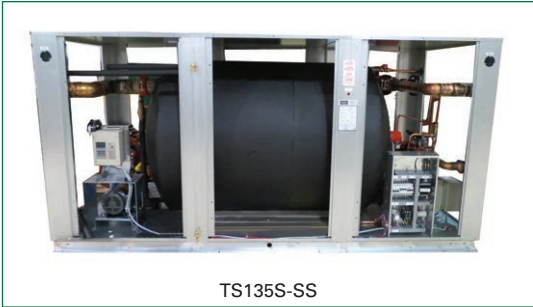
STORAGE AND RECIRCULATION TANK

Standard Features

- Open vented storage tank
- 1/2" tank and fluid piping insulatio
- Copper fluid pipin
- Tank vent and drain connections
- Galvanized sheet metal cabinet
- 24 volt L.E.D. process fluid thermometer

Available Options

- Fluid flow mete
- Fused stainless steel process pump
- Fused stainless steel evaporator fluid recirculating pump with unions, ball valves, and cleanable strainer
- Tank liquid level indicator with dry contacts
- Special piping for reverse osmosis or de-ionized water applications
- Stainless steel sheet metal cabinet
- 1" tank and piping insulation
- Seal-tight electrical connections



TS135S-SS

STAINLESS STEEL



Part No.	Dimensions (In.)			Water Connection (In.)	Tank Capacity (Gal.)	Wgt (Lbs.)	Price
	L	W	H				
TS135S-SS	85	34	36	1 1/2 FPT	135	625	
TS200S-SS	120	56	59	1 1/2 FPT	200	500	
TS300S-SS	120	56	59	2 FPT	300	525	
TS30S-SS	36	34	36	1 FPT	30	500	
TS500S-SS	120	56	59	3 FPT	500	950	
TS60S-SS	56	34	36	1 FPT	60	525	
TS90S-SS	75	34	36	1 1/4 FPT	90	600	
TS600S-SS	120	56	59	4 FPT	600	745	
TS1000S-SS	60	42.5625	126 1/8	-	1000	1563	



TS200S

POLYETHYLENE



Part No.	Dimensions (In.)			Water Connection (In.)	Tank Capacity (Gal.)	Pump HP	Wgt (Lbs.)	Price
	L	W	H					
TS200S	120	56	59	1 1/2 FPT	200	2	500	
TS300S	120	56	59	2 FPT	300	2	525	
TS500S	120	56	59	3 FPT	500	3	575	
TS600S	120	56	59	4 FPT	600	3	590	
TS1000S	75	42	126 1/8	-	1000	-	1563	

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SHELL AND TUBE CHILLER



DX51

DX CHILLER BARREL

The construction utilizes enhanced copper tubing for increased surface area and better heat transfer, without increasing the overall size. In addition, baffles are placed within our chillers to direct the water flow for maximum

cooling effect. Externally, the entire chiller is wrapped in 3/4" insulation for maximum temperature retention after being powder coated for enhanced corrosion resistance.

Westermeyer
Industries Inc.

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

Part No.	Nominal HP	Nb. of Circuits	Length (In.)	Connections (In.)		Working Pressure (psi)		Ship Wgt (Lbs.)	Price
				Inlet	Outlet	Shell	Tube		
DX51	6.1	1	41	5/8	1 1/8	600	300	64	\$4,032.22
DX61	8.5	1	41	5/8	1 1/8	600	300	64	\$4,478.14
DX7.51	9.8	1	41	7/8	1 5/8	600	300	66	\$5,515.52
DX101	12.1	1	42 1/2	7/8	1 5/8	600	300	70	\$6,077.52
DX121	15.9	1	41 3/4	7/8	1 5/8	450	250	120	\$7,382.72
DX122	15.9	2	41 3/4	5/8	1 1/8	450	250	120	\$644.94
DX151	20	1	41 3/4	7/8	2 1/8	450	250	128	\$8,918.88
DX152	20	2	41 3/4	7/8	1 5/8	450	250	128	\$9,406.24
DX201	24.1	1	41 3/4	1 1/8	2 1/8	450	250	136	\$10,476.68
DX202	24.1	2	41 3/4	7/8	1 5/8	450	250	136	\$10,571.60
DX251	27.1	1	41 3/4	1 1/8	2 5/8	450	250	142	\$11,935.24
DX252	27.1	2	41 3/4	7/8	1 5/8	450	250	142	\$12,302.16
DX301	32.5	1	81 3/4	1 1/8	2 5/8	150	300	414	\$13,433.02
DX302	32.5	2	81 3/4	7/8	1 5/8	150	300	404	\$13,826.60
DX401	42.9	1	81 3/4	1 3/8	2 5/8	150	300	563	\$17,284.32
DX402	42.9	2	81 3/4	1 1/8	2 1/8	150	300	556	\$17,728.68
DX501	53.9	1	81 3/4	1 3/8	3 1/8	150	300	594	\$19,040.68
DX502	53.9	2	81 3/4	1 1/8	2 1/8	150	300	581	\$19,557.02
DX601	64.5	1	93 3/4	1 5/8	3 1/8	150	300	642	\$23,573.36
DX602	64.5	2	93 3/4	1 1/8	2 5/8	150	300	634	\$24,153.16
DX751	80.5	1	93 3/4	2 1/8	3 1/8	150	300	587	\$26,626.74
DX752	80.5	2	93 3/4	1 3/8	2 5/8	150	300	662	\$25,730.94
DX1002	125	2	94 7/8	1 3/8	3 1/8	150	225	1070	\$30,789.84
DX1202	136.5	2	94 7/8	1 3/8	3 1/8	150	225	1080	\$40,656.98
DX1502	172.9	2	94 7/8	1 3/8	3 1/8	150	225	1600	\$49,052.78
DX1752	198.1	2	96 5/8	1 3/8	2 5/8	150	225	1700	\$53,489.50



BARREL, SERVICEABLE COMPACT

- 30-50% smaller than comparable models
- Easier to handle and position
- 3/4" insulation
- Width less water connections (3")
- FLNG=ASME flang
- Single and dual circuit designs
- Nominal tonnage (fouled) based upon ARI 480
- -410 and -R410 suffix models optimized for R410A (and can be used with R22); -1 or -2 suffix designed for R22; for other refrigerants, please call customer service.



Part No.	Nominal Tons	Nb. of Circuits	Dimensions (In.)			Connections (In.)			Working Pressure (psi)		Ship Wgt (Lbs.)	Price
			L	W	H	Inlet	Outlet	Water	Shell	Tube		
TX2-1-410	2	1	40 1/4	—	6 1/4	3/8	5/8	1 FPT	225	375	46	☎
TX2-1	2.8	1	28 1/4	4	6 1/16	5/8	7/8	1 FPT	225	225	46	\$3,510.00
TX3-1-410	3.1	1	40 1/4	4	6 1/8	3/8	7/8	1 FPT	225	375	50	☎
TX3-1	3.8	1	28 1/4	4	6 1/16	5/8	7/8	1 FPT	225	225	50	\$4,223.52
TX5-1	6	1	40 1/4	5 1/2	8	5/8	1 1/8	1 1/4 FPT	225	225	62	\$4,663.52
TX5-1-410	6	1	40 1/4	5 1/2	8	5/8	1 1/8	1 1/4 FPT	225	375	62	☎
TX6-1	8.7	1	40 1/4	5 1/2	8	5/8	1 1/8	1 1/2 FPT	225	225	64	\$5,141.40
TX6-1-410	8.7	1	40 1/4	5 1/2	8	5/8	1 1/8	1 1/2 FPT	225	375	64	☎
TX7-1/2-1	9 1/2	1	40 1/4	5 1/2	8	7/8	1 5/8	1 1/2 FPT	225	225	66	\$5,190.84
TX7-1/2-1-410	9 1/2	1	40 1/4	5 1/2	8	7/8	1 5/8	1 1/2 FPT	225	375	66	☎
TX10-1	11.9	1	40 1/4	5 1/2	8	7/8	1 5/8	2 FPT	225	225	70	\$5,372.10
TX10-1-410	11.9	1	40 1/4	5 1/2	8	7/8	1 5/8	2 FPT	225	375	70	☎
TX10-2	11.9	2	40 1/4	5 1/2	8	5/8	1 1/8	2 FPT	225	225	70	\$5,975.22
TX10-2-410	11.9	2	40 1/4	5 1/2	8	5/8	1 1/8	2 FPT	225	375	70	☎
TX12-1	15.8	1	41 1/4	7 3/4	10	7/8	1 5/8	2 FPT	225	225	120	\$7,157.66
TX12-1-410	15.8	1	41 1/4	7 3/4	10	7/8	1 5/8	2 FPT	225	375	120	☎
TX12-2	15.8	2	41 1/4	7 3/4	10	5/8	1 1/8	2 FPT	225	225	120	\$7,263.88
TX12-2-410	15.8	2	41 1/4	7 3/4	10	5/8	1 1/8	2 FPT	225	375	120	☎
TX15-1	20.2	1	41 1/4	7 3/4	11	1 1/8	2 1/8	2 FPT	225	225	128	\$7,412.18
TX15-1-410	20.2	1	41 1/4	7 3/4	11	1 1/8	2 1/8	2 FPT	225	375	128	☎
TX15-2	20.2	2	41 1/4	7 3/4	11	7/8	1 5/8	2 FPT	225	225	128	\$8,971.08
TX15-2-410	20.2	2	41 1/4	7 3/4	11	7/8	1 5/8	2 FPT	225	375	128	☎
TX15-3	22.1	3	81	7 3/4	9 7/8	5/8	1 1/8	2 1/2 FPT	225	225	145	\$10,029.02
TX15-3-410	22.1	3	81	7 3/4	9 7/8	5/8	1 1/8	2 1/2 FPT	225	375	145	☎
TX20-1	23.9	1	41 1/4	7 3/4	11	1 1/8	2 1/8	2 1/2 FPT	225	225	136	\$9,224.86
TX20-1-410	23.9	1	41 1/4	7 3/4	11	1 1/8	2 1/8	2 1/2 FPT	225	375	136	☎
TX20-2	23.9	2	41 1/4	7 3/4	11	7/8	1 5/8	3 FPT	225	225	136	\$10,441.00
TX20-2-410	23.9	2	41 1/4	7 3/4	11	7/8	1 5/8	3 FPT	225	375	136	☎
TX20-4	26.7	4	81	7 3/4	9 7/8	5/8	1 1/8	3 FPT	225	225	155	\$11,818.62
TX20-4-410	26.7	4	81	7 3/4	9 7/8	5/8	1 1/8	3 FPT	225	375	155	☎
TX25-1	26.9	1	41 1/4	7 3/4	11	1 1/8	2 5/8	3 FPT	225	150	142	\$10,154.26
TX25-1-410	26.9	1	41 1/4	7 3/4	11	1 1/8	2 5/8	3 FPT	225	375	142	☎
TX25-2	26.9	2	41 1/4	7 3/4	11	7/8	1 5/8	3 FPT	225	225	142	\$11,179.24
TX25-2-410	26.9	2	41 1/4	7 3/4	11	7/8	1 5/8	3 FPT	225	375	142	☎
TXC30-1	32.1	1	81 3/4	10 3/8	13 1/2	1 1/8	2 5/8	3 MPT	300	150	414	\$11,914.20
TXC30-1R410	32.1	1	81 3/4	10 3/8	13 1/2	1 1/8	2 5/8	3 MPT	150	375	340	☎
TXC30-2	32.1	2	81 3/4	10 3/8	13 1/2	7/8	1 5/8	3 MPT	300	150	404	\$12,967.98
TXC30-2R410	32.1	2	81 3/4	10 3/8	13 1/2	7/8	1 5/8	3 MPT	150	375	340	☎
TXC400-2	452	2	96 7/8	25	26 7/8	2 1/8	3 5/8	10 FIng	225	150	2800	\$69,899.96
TXC40-1	42.8	1	81 3/4	11 5/8	15 1/2	1 3/8	2 5/8	3 MPT	300	150	563	\$15,331.92
TXC40-1R410	42.8	1	81 3/4	11 5/8	15 1/2	1 3/8	2 5/8	3 MPT	150	375	355	☎
TXC40-2	42.8	2	81 3/4	11 5/8	15 1/2	1 1/8	2 1/8	3 MPT	300	150	556	\$15,331.92
TXC40-2R410	42.8	2	81 3/4	11 5/8	15 1/2	1 1/8	2 1/8	3 MPT	150	375	355	☎
TXC500-2	573	2	97 1/8	29	31 1/8	2 1/8	4 1/8	10 FIng	225	150	3600	\$86,754.54
TXC50-1	53.7	1	81 3/4	11 5/8	15 1/2	1 3/8	3 1/8	4 FIng	300	150	594	\$16,890.82

Continued...

☎ Please contact your local United Refrigeration Branch or our Customer Service Center for pricing.

SHELL AND TUBE CHILLER



BARREL, SERVICEABLE COMPACT (CONT'D.)

Part No.	Nominal Tons	Nb. of Circuits	Dimensions (In.)			Connections (In.)			Working Pressure (psi)		Ship Wgt (Lbs.)	Price
			L	W	H	Inlet	Outlet	Water	Shell	Tube		
TXC50-1R410	53.7	1	81 3/4	11 5/8	15 1/2	1 3/8	3 1/8	4 FIng	150	375	536	☎
TXC50-2	53.7	2	81 3/4	11 5/8	15 1/2	1 1/8	2 1/8	4 FIng	300	150	581	\$17,088.56
TXC50-2R410	53.7	2	81 3/4	11 5/8	15 1/2	1 1/8	2 1/8	4 FIng	150	375	536	☎
TXC60-1	64.3	1	93 3/4	11 5/8	15 1/2	1 5/8	3 1/8	4 FIng	300	150	642	\$20,908.36
TXC60-1R410	64.3	1	93 3/4	11 5/8	15 1/2	1 5/8	3 1/8	4 FIng	150	375	550	☎
TXC60-2	64.3	2	93 3/4	11 5/8	15 1/2	1 1/8	2 5/8	4 FIng	300	150	634	\$21,518.08
TXC60-2R410	64.3	2	93 3/4	11 5/8	15 1/2	1 1/8	2 5/8	4 FIng	150	375	525	☎
TXC75-1	80.7	1	93 3/4	11 5/8	15 1/2	2 1/8	3 1/8	5 FIng	300	150	671	\$22,599.08
TXC75-1R410	80.7	1	93 3/4	11 5/8	15 1/2	2 1/8	3 1/8	5 FIng	150	375	600	☎
TXC75-2	80.7	2	93 3/4	11 5/8	15 1/2	1 3/8	2 5/8	5 FIng	300	150	662	\$23,274.72
TXC75-2R410	80.7	2	93 3/4	11 5/8	15 1/2	1 3/8	2 5/8	5 FIng	150	375	600	☎
TXC100-1	124.7	1	94 7/8	16 5/8	19 5/8	2 1/8	3 5/8	5 FIng	225	150	1070	\$26,768.24
TXC100-1R410	124.7	1	94 7/8	16 5/8	19 5/8	2 1/8	3 5/8	5 FIng	150	375	930	☎
TXC100-2	124.7	2	94 7/8	16 5/8	19 5/8	1 3/8	3 1/8	5 FIng	225	150	1070	\$28,340.32
TXC100-2R410	124.7	2	94 7/8	16 5/8	19 5/8	1 3/8	3 1/8	5 FIng	150	375	930	☎
TXC120-1	136.8	1	94 7/8	16 5/8	19 5/8	2 1/8	3 5/8	6 FIng	225	150	1080	\$31,514.14
TXC120-1R410	136.8	1	94 7/8	16 5/8	19 5/8	2 1/8	3 5/8	6 FIng	150	375	1260	☎
TXC120-2	136.8	2	94 7/8	16 5/8	19 5/8	1 3/8	3 1/8	6 FIng	225	150	1080	\$31,514.14
TXC120-2R410	136.8	2	94 7/8	16 5/8	19 5/8	1 3/8	3 1/8	6 FIng	150	375	1260	☎
TXC150-2	173	2	96 5/8	18 5/8	20 7/8	1 3/8	2 5/8	6 FIng	225	150	1600	\$36,530.30
TXC150-2R410	173	2	96 5/8	18 5/8	20 7/8	1 3/8	2 5/8	6 FIng	150	375	1600	☎
TXC175-2	198	2	96 5/8	18 5/8	20 7/8	1 3/8	2 5/8	6 FIng	225	150	1700	\$40,360.00
TXC175-2R410	198	2	96 5/8	18 5/8	20 7/8	1 3/8	2 5/8	6 FIng	150	375	1700	☎
TXC200-2	242	2	96 5/8	21	24 1/8	1 3/8	3 1/8	8 FIng	225	150	2100	\$47,070.18
TXC200-2R410	242	2	96 5/8	21	24 1/8	1 3/8	3 1/8	8 FIng	150	375	2100	☎
TXC250-2	284	2	96 5/8	21	24 1/8	1 3/8	3 1/8	8 FIng	225	150	2200	\$50,095.70
TXC275-2	309	2	96 7/8	23	24 7/8	2 1/8	4 1/8	8 FIng	225	150	2600	\$53,714.44
TXC300-2	361	2	96 7/8	25	26 7/8	2 1/8	3 5/8	8 FIng	225	150	2700	\$62,148.32

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

☎ Please contact your local United Refrigeration Branch or our Customer Service Center for pricing.



CBKIT10-1

CHILLER BUILDER KIT

Low side split system chiller assembly; condensing unit required

- Uses compact TX/TXC chiller barrel (included); kits less barrel are available
- Brand name components
- Entire kit can be assembled in less than one hour

- Expansion valve
- Solenoids
- Control power supplies; 120V input required
- Freezestat
- Flow switch
- Sight glasses

Pumpdown cycle included with CBKIT15-1, CBKIT20-1, and CBKIT25-1. Kits 30 through 75 tons include unloading feature. Kits with no unloading feature are also available.

Tonnage capacities based on TXV capacities at 35°F suction, 115°F condensing temperature, 54°F inlet water, and 44°F outlet water using R-22.

- NEW-includes Digital Controls

Included components

- Framework
- Temperature controls
- Low pressure switch



Part No.	Nominal Tons	Nb. of Circuits	Includes Chiller	Dimensions (In.)			Connections (In.)			Ship Wgt (Lbs.)	Price
				L	W	H	Inlet	Outlet	Water		
CBKIT2-1	2	1	TX2-1	30 1/4	14	14	5/8	7/8	1	75	\$5,503.46
CBKIT3-1	3	1	TX3-1	30 1/4	18	14	5/8	7/8	1	79	\$6,915.62
CBKIT5-1	5	1	TX5-1	42 1/4	18	16	5/8	1 1/8	1 1/4	91	\$7,604.94
CBKIT6-1	6	1	TX6-1	42 1/4	18	19	5/8	1 1/8	1 1/2	97	\$7,715.48
CBKIT7.5-1	7 1/2	1	TX7-1/2	42 1/4	18	19	5/8	1 5/8	1 1/2	99	\$7,476.92
CBKIT10-1	10	1	TX10-1	42 1/4	18	19	5/8	1 5/8	2	97	\$8,511.48
CBKIT10-2	10	2	TX10-2	45 1/4	20	17	5/8	1 5/8	2	103	\$12,435.12
CBKIT12-1	12	1	TX12-1	43 1/4	18	21	5/8	1 5/8	2	153	\$9,975.88
CBKIT12-2	12	2	TX12-2	46 1/4	20	19	5/8	1 5/8	2	164	\$13,258.76
CBKIT15-1	15	1	TX15-1	44 1/4	18	21	7/8	2 1/8	2 1/2	166	\$11,032.16
CBKIT15-2	15	2	TX15-2	46 1/4	20	21	5/8	2 1/8	2 1/2	179	\$15,582.88
CBKIT15-3	15	3	TX15-3	80	—	23 1/4	3/8	1 1/8	2 1/2	166	\$23,301.22
CBKIT20-1	20	1	TX20-1	44 1/4	18	21	7/8	2 1/8	3	174	\$13,068.08
CBKIT20-2	20	2	TX20-2	46 1/4	20	21	5/8	2 1/8	3	187	\$16,979.70
CBKIT20-4	20	4	TX20-4	182 3/4	—	23 1/4	3/8	1 1/8	3	206	\$26,884.26
CBKIT25-1	25	1	TX25-1	44 1/4	18	21	7/8	2 5/8	3	180	\$13,539.46
CBKIT25-2	25	2	TX25-2	46 1/4	20	21	5/8	2 5/8	3	193	\$17,681.38
CBKIT30-1	30	1	TXC30-1	90	22	16	1 1/8	2 5/8	3	458	\$19,526.92
CBKIT30-2	30	2	TXC30-2	90	20	19	7/8	1 5/8	3	466	\$22,602.80
CBKIT40-1	40	1	TXC40-1	90	24	17	1 3/8	2 5/8	3	607	\$22,963.60
CBKIT40-2	40	2	TXC40-2	90	22	20	1 1/8	1 5/8	3	618	\$27,647.66
CBKIT50-2	50	2	TXC50-2	90	24	20	1 1/8	2 1/8	4	646	\$30,256.18
CBKIT60-2	60	2	TXC60-2	104	24	22	1 1/8	2 1/8	4	702	\$34,784.52
CBKIT75-2	75	2	TXC75-2	104	24	22	1 3/8	2 5/8	5	737	\$38,919.82

PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

SHELL AND TUBE CHILLER



DTXCKIT10-12

FRAMEWORK, CONTROL KIT

The kits provide a complete low-side package when combined with standard refrigeration's TX chillers. The ChillerBuilder™ kits come complete with framework, power supplies, temperature controls, freestat, low pressure switch, expansion valve, sight glasses, solenoids and custom piping.



Part No.	Includes Chiller	Tonnage	Ship Wgt (Lbs.)	Price
DTXCKIT10-12	TX10-2, TX12-2	10 to 12	44	\$6,766.16
DTXCKIT15-25	TX15-2, TX20-2, TX25-2	15 to 25	51	\$7,067.70
DTXCKIT-30	TXC30-2	30	62	\$11,125.24
DTXCKIT-40	TXC40-2	40	62	\$12,655.38
DTXCKIT-50	TXC50-2	50	27	☎
DTXCKIT-60	TXC60-2	60	68	\$14,636.44
DTXCKIT-75	TXC75-2	75	75	\$17,160.50
TXCKIT5	TXC30-1	30	44	\$9,379.54
TXCKIT6	TXC40-1	40	46	\$9,723.30
TXKIT1	TX2-1	2	27	\$3,649.00
TXKIT15-3	TX15-3	15	44	\$14,060.88
TXKIT2	TX3-1, TX5-1	3 to 5	29	\$3,809.84
TXKIT20-4	TX20-4	20	48	\$15,986.90
TXKIT3	TX6-1, TX7.5-1, TX10-1, TX12-1	6 to 12	33	\$4,065.30
TXKIT4	TX15-1, TX20-1, TX25-1	15 to 25	38	\$4,623.54

BRAZED PLATE HEAT EXCHANGER



CH10-XP

HIGH PRESSURE LIQUID CHILLDER, 10" X 20", R410A

- Designed for R-410a Applications, 1/2 to 80 tons, can be used with other refrigerants as well.
- High Pressure 650 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
CH10-XP	10	9.8	20.3	2.6	7/8	1 3/8	1 5/8 IDS	81	\$4,358.30
CH15-XP	15	9.8	20.3	4.1	7/8	1 3/8	1 5/8 IDS	97	\$5,786.74
CH20-XP	20	9.8	20.3	5	7/8	1 5/8	1 5/8 IDS	107	\$6,950.06
CH25-XP	25	9.8	20.3	5.9	1 1/8	1 5/8	2 1/8 IDS	117	\$7,911.20
CH30-XP	30	9.8	20.3	6.8	1 1/8	1 5/8	2 1/8 IDS	128	\$8,822.64
CH80-XP	80	9.8	20.3	17.6	1 1/8	2 5/8	2 5/8 IDS	194	\$17,088.46

☎ Please contact your local United Refrigeration Branch or our Customer Service Center for pricing.



CH10-2C-XP

TWO REFRIGERANT LIQUID CHILLERS, 10" X 20", HIGH PRESSURE XP

- 2C (Two Circuit) Chiller for 3 to 80 tons, high pressure
- Designed for R-410a Applications, 1/2 to 80 tons, can be used with other refrigerants as well.
- High Pressure 650 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
CH10-2C-XP	10	9.8	20.3	2.8	7/8	1 1/8	1 1/2 MPT	91	\$4,756.00
CH12-2C-XP	12	9.8	20.3	3.1	7/8	1 1/8	1 1/2 MPT	95	\$5,514.98
CH15-2C-XP	15	9.8	20.3	3.9	7/8	1 1/8	1 1/2 MPT	104	\$6,204.34
CH20-2C-XP	20	9.8	20.3	5	7/8	1 3/8	1 1/2 MPT	116	\$7,888.00
CH25-2C-XP	25	9.8	20.3	6.1	7/8	1 3/8	2 MPT	128	\$9,094.40
CH30-2C-XP	30	9.8	20.3	7.1	7/8	1 3/8	2 MPT	140	\$9,952.80
CH35-2C-XP	35	9.8	20.3	8.4	7/8	1 3/8	2 MPT	155	\$11,222.18
CH40-2C-XP	40	9.8	20.3	9.7	7/8	1 5/8	2 1/2 MPT	169	\$12,488.24
CH50-2C-XP	50	9.8	20.3	12.2	1 1/8	1 5/8	2 1/2 MPT	197	\$14,095.66
CH60-2C-XP	60	9.8	20.3	14	1 1/8	2 1/8	2 1/2 MPT	218	\$16,170.40



CH5-2C

TWO REFRIGERANT LIQUID CHILLERS, 10" X 20", LOW PRESSURE

- 2C (Two Circuit) Chiller for 3 to 80 tons, low pressure
- Refrigerants other than R410A and ammonia
- Standard Pressure 450 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
CH5-2C	5	9.8	20.3	1.6	7/8	7/8	1 MPT	64	\$2,240.46
CH6-2C	6	9.8	20.3	2	7/8	5/8	1 MPT	56	\$2,409.50
CH8-2C	8	9.8	20.3	2.7	7/8	1 1/8	1 1/2 MPT	60	\$3,098.86
CH10-2C	10	9.8	20.3	2.7	7/8	1 1/8	1 1/2 MPT	64	\$4,417.94
CH15-2C	15	9.8	20.3	3.8	7/8	1 1/8	1 1/2 MPT	77	\$5,866.30
CH30-2C	30	9.8	20.3	7	7/8	1 1/8	1 1/2 MPT	115	\$9,611.44
CH35-2C	35	9.8	20.3	8.5	7/8	1 1/8	1 1/2 MPT	131	\$10,884.12
CH40-2C	40	9.8	20.3	9.5	7/8	1 5/8	2 1/2 MPT	144	\$12,150.18
CH50-2C	50	9.8	20.3	12.1	1 1/8	1 5/8	2 1/2 MPT	173	\$13,757.60
CH60-2C	60	9.8	20.3	13.9	1 1/8	2 1/8	2 1/2 MPT	194	\$15,832.34
CH80-2C	80	9.8	20.3	18.2	1 1/8	2 1/8	2 1/2 MPT	245	\$19,965.26



CH2-1/2AW

LIQUID CHILLERS/EVAPORATORS, 5" X 12"

- Designed for 1/2 to 80 tons applications for refrigerants other than R410A and ammonia
- Standard Pressure 450 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
CH2-1/2AW	2-1/2	4.9	13.2	2.5	5/8	5/8	7/8 IDS	10.50	\$1,276.00

HEAT EXCHANGERS

BRAZED PLATE HEAT EXCHANGER



CH4W

LIQUID CHILLERS/EVAPORATORS, 5" X 20"

- Designed for 1/2 to 80 tons applications for refrigerants other than R410A and ammonia
- Standard Pressure 450 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
CH4W	4	4.9	20.9	2.1	5/8	7/8	1 1/8 IDS	15	\$1,627.32



CH10G

LIQUID CHILLERS/EVAPORATORS, 10" X 20"

- Designed for 1/2 to 80 tons applications for refrigerants other than R410A and ammonia
- Standard Pressure 450 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
CH10G	10	10.7	20.9	2.6	7/8	1 3/8	1 5/8 IDS	50	\$4,016.92
CH15G	15	10.7	20.9	4	7/8	1 3/8	1 5/8 IDS	69	\$5,448.70
CH20G	20	10.7	20.9	4.9	7/8	1 5/8	1 5/8 IDS	81	\$6,608.70
CH25G	25	10.7	20.9	5.8	1 1/8	1 5/8	2 1/8 IDS	93	\$7,569.84
CH30G	30	10.7	20.9	6.6	1 1/8	2 1/8	2 1/8 IDS	105	\$8,484.58
CH35G	35	10.7	20.9	8.4	1 1/8	2 1/8	2 5/8 IDS	129	\$10,440.00
CH40-2MPT-NSW	40	10.7	20.9	9.3	1 1/8	2 1/8	2 MPT	140	\$6,832.00
CH50G	50	10.7	20.9	12	1 1/8	2 5/8	2 5/8 IDS	176	\$12,339.10



C6-2C

TWO REFRIGERANT LIQUID CONDENSERS, 10" X 20"

- Refrigerants other than R410A and ammonia
- Standard Pressure 450 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
C6-2C	6	9.8	20.3	1.8	7/8	5/8	1 MPT	56	\$2,409.50
C30-2C	30	9.8	20.3	6.1	1 3/8	7/8	2 MPT	115	\$9,611.44

HIGH PRESSURE LIQUID CONDENSERS, 10" X 20"

- Designed for R-410a Applications, 1/2 to 80 tons, can be used with other refrigerants as well.
- High Pressure 650 psig

Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
C30-XP	30	9.8	20.3	5.9	2 1/8	1 1/8	2 1/8 IDS	117.50	\$7,201.94

LIQUID CONDENSERS, 10" X 20"

- Standard Pressure 450 psig

Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)			Ship Wgt (Lbs.)	Price
		W	H	D	Inlet	Outlet	Water Inlet		
C15G	15	10.7	20.9	3.09	1 3/8	7/8	1 5/8 IDS	57	\$4,169.38

Consist of thin corrugated stainless steel plates vacuum brazed together using copper as the brazing material.

- Four frame sizes optimized for use with R410A. Suitable for R22 and most common refrigerants.
- Compact, durable designs with consistently high quality
- Extensive range of BHE models providing cooling capacities from 0.5 to 600 kW.

- Equalancer system provides a substantial saving in heat transfer surface compared to BHEs with traditional distribution system.
- Rapid response to temperature changes due to small hold-up volume and lower refrigerant charge.
- Optimized design for every duty with customized BHE configuration to customer's own specifications
- Every BHE is pressure and leak tested before delivery



ACH30EQ10H

3.7" X 12.8"

- Working pressure: 650 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)				Ship Wgt (Lbs.)	Price
		W	L	D	Inlet	Outlet	Water Outlet	Water Inlet		
ACH30EQ10H	3/4 / 1	3.7	12.8	1	3/8	7/8	7/8	7/8	4.2	
ACH30EQ20H	1 1/2 / 1	3.7	12.8	1.5	3/8	7/8	7/8	7/8	6.2	
ACH30EQ30H	3 / 3 1/2	3.7	12.8	2.1	1/2	7/8	7/8	7/8	8.2	
ACH30EQ40H	4 / 5	3.7	12.8	2.7	1/2	7/8	7/8	7/8	10.2	
ACH30EQ50H	5 / 6	3.7	12.8	3.3	5/8	1 1/8	1 1/8	1 1/8	12.2	
ACH30EQ60H	6 / 7 1/2	3.7	12.8	3.9	5/8	1 1/8	1 1/8	1 1/8	14.2	



ACH70X100M

4.4" X 20.7"

- Working pressure: 650 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)				Ship Wgt (Lbs.)	Price
		W	L	D	Inlet	Outlet	Water Outlet	Water Inlet		
ACH70X22M	5 / 5	4.4	20.7	3.3	5/8	1 1/8	1 1/8	1 1/8	11.3	
ACH70X26M	6 / 6	4.4	20.7	3.7	5/8	1 1/8	1 1/8	1 1/8	12.9	
ACH70X32M	7 1/2 / 7 1/2	4.4	20.7	4.2	5/8	1 1/8	1 1/8	1 1/8	15.3	
ACH70X42M	8 / 10	4.4	20.7	5.1	5/8	1 3/8	1 3/8	1 3/8	19.3	
ACH70X50M	10 / 12	4.4	20.7	5.9	5/8	1 3/8	1 3/8	1 3/8	22.5	
ACH70X62M	15 / 17	4.4	20.7	7	5/8	1 3/8	1 3/8	1 3/8	27.3	
ACH70X78M	20 / 22	4.4	20.7	8.4	7/8	1 3/8	1 3/8	1 3/8	33.7	
ACH70X100M	25 / 25	4.4	20.7	10.4	7/8	1 3/8	1 3/8	1 3/8	42.4	



ACH500EQ100H

12.7" X 33.5"

- Working pressure: 650 psig



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)				Ship Wgt (Lbs.)	Price
		W	L	D	Inlet	Outlet	Water Outlet	Water Inlet		
ACH500EQ70H	50 / 50	13	33.5	7.66	1 3/8	2 5/8	3, Victaulic	3, Victaulic	162.7	
ACH500EQ80H	60 / 60	13	33.5	8.69	1 3/8	2 5/8	3, Victaulic	3, Victaulic	181.2	
ACH500EQ100H	75 / 75	13	33.5	10.75	1 3/8	2 5/8	3, Victaulic	3, Victaulic	218.2	
ACH500EQ130H	100 / 100	13	33.5	13.83	1 3/8	2 5/8	3, Victaulic	3, Victaulic	273.7	

Please contact your local United Refrigeration Branch or our Customer Service Center for pricing.

HEAT EXCHANGERS

BRAZED PLATE HEAT EXCHANGER



CH1/2A

FlatPlate offers the most compact and cost effective liquid chiller in the industry. As the latest generation in brazed plate heat exchangers, the CH Series is specially designed for DX water chilling applications and special fluid cooling applications from 1/2 to 60 tons.

The CH Series differs significantly from other types of plate heat exchangers. Connection sizes, performance and features are designed specifically for refrigeration. Sweat fitting are standard and pipe threaded fluid connections are optional. An every CH chiller is built with a top sealing plate to prevent moisture build-up and potential frost from damaging the unit

Applicable to air conditioning chillers, industrial chillers, glycol coolers, special fluid coolers, and a wide range of other refrigeration applications.

- Controlled DX Distribution: FlatPlate's design accounts for proper DX gas distribution into the plates. This means stable performance and assured capacity control at full and part-load conditions.
- Maximum working temperature: 350°F
- For use with R22, R407C, R404A, R134a and other halocarbon refrigerants
- Maximum working pressure: 450 psi
- Approvals: U.L. (US & Canada), European TUV
- Optional ASME Code
- Optional floor mount bracket
- For use with R22 only



5" X 12"

Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)				Ship Wgt (Lbs.)	Price
		W	L	D	Inlet	Outlet	Water Outlet	Water Inlet		
CH1/2A	1/2	4.9	12.2	1.1	5/8	5/8	7/8	7/8	5.8	\$693.88
CH3/4A	3/4	4.9	12.2	1.3	5/8	5/8	7/8	7/8	6.4	\$768.58
CH1A	1	4.9	12.2	1.5	5/8	5/8	7/8	7/8	7	\$836.64
CH1-1/2A	1 1/2	4.9	12.2	1.9	5/8	5/8	7/8	7/8	8.3	\$971.10
CH2A	2	4.9	12.2	2.2	5/8	5/8	7/8	7/8	9.6	\$1,135.44
CH2-1/2A	2 1/2	4.9	12.2	2.6	5/8	5/8	7/8	7/8	10.8	\$1,274.88
CH3A	3	4.9	12.2	3.2	5/8	5/8	7/8	7/8	12.7	\$1,490.68
CH3-1/2A	3 1/2	4.9	12.2	3.7	5/8	7/8	7/8	7/8	14.6	\$1,696.52
CH4A	4	4.9	12.2	4.5	5/8	7/8	1 1/8	1 1/8	17.1	\$1,983.70
CH5A	5	4.9	12.2	5.4	5/8	7/8	1 1/8	1 1/8	20.3	\$2,333.96

5" X 20"

Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)				Ship Wgt (Lbs.)	Price
		W	L	D	Inlet	Outlet	Water Outlet	Water Inlet		
CH1-1/2	1 1/2	5	20.3	1.1	5/8	5/8	7/8	7/8	10	\$964.46
CH2	2	5	20.3	1.3	5/8	5/8	7/8	7/8	11	\$1,069.04
CH2-1/2	2 1/2	5	20.3	1.5	5/8	5/8	7/8	7/8	12	\$1,173.62
CH3	3	5	20.3	1.7	5/8	5/8	7/8	7/8	13	\$1,283.18
CH3-1/2	3 1/2	5	20.3	2.1	5/8	5/8	7/8	7/8	15	\$1,518.90
CH4	4	5	20.3	2.2	5/8	7/8	1 1/8	1 1/8	17	\$1,630.12
CH5	5	5	20.3	2.6	5/8	7/8	1 1/8	1 1/8	19	\$1,816.04
CH6	6	5	20.3	3.2	7/8	1 1/8	1 1/8	1 1/8	22	\$2,108.20
CH7-1/2	7 1/2	5	20.3	4.1	7/8	1 1/8	1 1/8	1 1/8	28	\$2,616.16
CH10B	10	5	20.3	5.1	7/8	1 3/8	1 3/8	1 3/8	34	\$3,847.88
CH12B	12 1/2	5	20.3	6.0	7/8	1 3/8	1 3/8	1 3/8	39	\$4,420.58
CH15B	15	5	20.3	6.9	7/8	1 3/8	1 3/8	1 3/8	45	\$5,066.32

10" X 20"

Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)				Ship Wgt (Lbs.)	Price
		W	L	D	Inlet	Outlet	Water Outlet	Water Inlet		
CH10	10	9.8	20.3	2.6	7/8	1 3/8	1 5/8	1 5/8	37	\$4,023.84
CH12	12 1/2	9.8	20.3	3.2	7/8	1 3/8	1 5/8	1 5/8	44	\$4,616.76
CH15	15	9.8	20.3	4.1	7/8	1 3/8	1 5/8	1 5/8	55	\$5,456.42
CH20	20	9.8	20.3	5.1	7/8	1 5/8	1 5/8	1 5/8	66	\$6,616.76
CH25	25	9.8	20.3	6	1 1/8	1 5/8	2 1/8	2 1/8	77	\$7,582.88
CH30	30	9.8	20.3	6.9	1 1/8	2 1/8	2 1/8	2 1/8	88	\$8,497.54
CH35	35	9.8	20.3	8.8	1 1/8	2 1/8	2 5/8	2 5/8	110	\$10,458.00
CH40	40	9.8	20.3	9.8	1 1/8	2 1/8	2 5/8	2 5/8	121	\$11,337.80
CH50	50	9.8	20.3	12.6	1 1/8	2 5/8	2 5/8	2 5/8	154	\$12,181.08
CH60	60	9.8	20.3	14.5	1 1/8	2 5/8	2 5/8	2 5/8	176	\$13,942.34

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