



Chillers	Page	Heat Exchangers	Page
• Packaged Air Cooled Chiller	298-307	• Brazed Plate Heat Exchanger.....	308
• Shell and Tube Chiller	307		

PACKAGED AIR COOLED CHILLER

SCROLL COMPRESSOR

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 switch
- 24V control transformer
- Direct drive condenser fan motor
- Rust resistant, high CFM, aluminum condenser fan blade
- Condenser(s): copper tube/aluminum fin
- 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
- 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 valve
- Electroplated, copper or heresite finned condenser coil (coastal protection)
- Shell and tube evaporator barrel
- Water flow meter
- 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)



PAC36S3-T3-ZD

DIGITAL SCROLL, SINGLE CIRCUIT, R407C R404A



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor				Wt. (Lbs.)
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse	
PAC36S3-T3-ZD	39600	208-240/3	56	34	40	1 FPT	1	4	14.6	99.0	1	3.3	25	35	500.00
PAC36S3-T4-ZD	39600	460/3	56	34	40	1 FPT	1	4	6.9	48.0	1	1.6	15	15	500.00
PAC48S3-T3-ZD	52800	208-240/3	56	34	40	1 FPT	1	5	20.7	128.0	1	3.3	30	50	550.00
PAC48S3-T4-ZD	52800	460/3	56	34	40	1 FPT	1	5	8.9	63.0	1	1.6	15	20	550.00
PAC60S3-T3-ZD	60000	208-240/3	56	34	40	1 FPT	1	6	20.1	156.0	1	3.3	30	45	600.00
PAC60S3-T4-ZD	60000	460/3	56	34	40	1 FPT	1	6	9.1	75.0	1	1.6	15	20	600.00
PAC70S3-T3-ZD	84000	208-240/3	85	34	40	1 1/4 FPT	1	8	32.1	195.0	2	3.3	50	70	700.00
PAC70S3-T4-ZD	84000	460/3	85	34	40	1 1/4 FPT	1	8	16.4	95.0	2	1.6	25	35	700.00
PAC90S3-T3-ZD	108000	208-240/3	85	34	40	1 1/4 FPT	1	10	41.4	239.0	2	3.3	60	100	750.00
PAC90S3-T4-ZD	108000	460/3	85	34	40	1 1/4 FPT	1	10	19.2	125.0	2	1.6	30	45	750.00
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	1400.00
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	1400.00



PACT36S3-T3-ZD

DIGITAL SCROLL, SINGLE CIRCUIT WITH TANK, R407C R404A



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor		RLA Ea.	LRA Ea.	Fan Motor		MCA	Max. Fuse	Wt. (Lbs.)
			L	W	H			Qty	HP			Qty	FLA Ea.			
PACT36S3-T3-ZD	36600	208-240/3	56	34	66	1 FPT	30	1	4	14.6	99.0	1	3.3	30	40	800.00
PACT36S3-T4-ZD	36600	460/3	56	34	66	1 FPT	30	1	4	6.9	47.0	1	1.6	15	15	800.00
PACT48S3-T4-ZD	48000	460/3	56	34	66	1 FPT	60	1	5	8.9	63.0	1	1.6	15	20	850.00
PACT60S3-T3-ZD	54000	208-240/3	56	34	66	1 FPT	60	1	6	20.1	156.0	1	1.6	35	50	900.00
PACT60S3-T4-ZD	54000	460/3	56	34	66	1 FPT	60	1	6	9.1	75.0	1	1.6	15	20	900.00
PACT70S3-T3-ZD	73500	208-240/3	85	34	66	1 1/4 FPT	60	1	8	32.1	195.0	2	3.3	60	80	1100.00
PACT70S3-T4-ZD	73500	460/3	85	34	66	1 1/4 FPT	60	1	8	16.4	95.0	2	1.6	30	40	1100.00
PACT90S3-T3-ZD	95400	208-240/3	85	34	66	1 1/4 FPT	90	1	10	41.4	239.0	2	3.3	70	110	1250.00
PACT90S3-T4-ZD	95400	460/3	85	34	66	1 1/4 FPT	90	1	10	19.2	125.0	2	1.6	35	45	1250.00
PACT48S3-T3-ZD	48000	208-240/3	56	34	66	1 FPT	60	1	5	20.7	128.0	1	1.6	35	50	850.00



PAC72D3-T3-ZD

DIGITAL SCROLL, DUAL CIRCUIT, R407C R404A



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor		RLA Ea.	LRA Ea.	Fan Motor		MCA	Max. Fuse	Wt. (Lbs.)
			L	W	H		Qty	HP			Qty	FLA Ea.			
PAC72D3-T3-ZD	80400	208-240/3	75	34	47	1 1/4 FPT	2	4	14.6	99.0	2	3.3	45	50	900.00
PAC72D3-T4-ZD	80400	460/3	75	34	47	1 1/4 FPT	2	4	6.9	48.0	2	1.6	20	25	900.00
PAC96D3-T3-ZD	105800	208-240/3	75	34	47	1 1/4 FPT	2	5	20.7	128.0	2	3.3	60	70	1000.00
PAC96D3-T4-ZD	105800	460/3	75	34	47	1 1/4 FPT	2	5	8.9	63.0	2	1.6	25	30	1000.00
PAC120D3-T3-ZD	118800	460/3	75	34	47	1 1/4 FPT	2	6	20.1	156.0	2	3.3	60	70	1150.00
PAC120D3-T4-ZD	118800	460/3	75	34	47	1 1/4 FPT	2	6	9.1	75.0	2	1.6	30	40	1150.00
PAC140D3-T3-ZD	162000	208-240/3	85	40	47	1 1/2 FPT	2	8	32.1	195.0	2	3.3	80	110	1400.00
PAC140D3-T4-ZD	162000	460/3	85	40	47	1 1/2 FPT	2	8	16.4	95.0	2	1.6	45	50	1400.00
PAC180D3-T3-ZD	210000	208-240/3	85	40	47	1 1/2 FPT	2	10	41.4	239.0	2	3.3	110	125	1500.00
PAC180D3-T4-ZD	210000	460/3	85	40	47	1 1/2 FPT	2	10	19.2	125.0	2	1.6	50	60	1500.00
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	2600.00
PAC360D3-T4-ZD	301200	460/3/60	90.75	84.25	76.50	2 1/2 FPT	2	15	31.4	173.0	4	1.1	80	105	2600.00

PACKAGED AIR COOLED CHILLER



PACT72D3-T3-ZD

DIGITAL SCROLL, DUAL CIRCUIT WITH TANK, R407C R404A



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor		RLA Ea.	LRA Ea.	Fan Motor		MCA	Wt. (Lbs.)
			L	W	H			Qty	HP			Qty	FLA Ea.		
PACT72D3-T3-ZD	73200	208-240/3	75	34	73	1 1/4 FPT	60	2	4	14.6	99.0	2	3.3	50	1100.00
PACT72D3-T4-ZD	73200	460/3	75	34	73	1 1/4 FPT	60	2	4	7.4	48.0	2	1.6	25	1100.00
PACT96D3-T3-ZD	96000	208-240/3	75	34	73	1 1/4 FPT	90	2	5	20.7	128.0	2	3.3	70	1200.00
PACT96D3-T4-ZD	96000	460/3	75	34	73	1 1/4 FPT	90	2	5	8.9	63.0	2	1.6	30	1200.00
PACT120D3-T3-ZD	108000	208-240/3	75	34	73	1 1/4 FPT	90	2	6	20.1	156.0	2	3.3	70	1250.00
PACT120D3-T4-ZD	108000	460/3	75	34	73	1 1/4 FPT	90	2	6	9.1	75.0	2	1.6	30	1250.00
PACT140D3-T3-ZD	147000	208-240/3	85	40	73	1 1/2 FPT	35	2	8	32.1	195.0	2	3.3	100	1500.00
PACT140D3-T4-ZD	147000	460/3	85	40	73	1 1/2 FPT	35	2	8	16.4	95.0	2	1.6	45	1500.00
PACT180D3-T3-ZD	190800	208-240/3	85	40	73	1 1/2 FPT	35	2	10	41.4	239.0	2	3.3	110	1600.00
PACT180D3-T4-ZD	190800	460/3	85	40	73	1 1/2 FPT	35	2	10	19.2	125.0	2	1.6	50	1600.00



PAC280Q3-T3-Z

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



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor		RLA Ea.	LRA Ea.	Fan Motor		MCA	Max. Fuse	Wt. (Lbs.)
			L	W	H		Qty	HP			Qty	FLA Ea.			
PAC280Q3-T3-Z	288100	208-240/3	91	83	73	2	4	7	28.6	196.0	4	2.3	140	150	1.01
PAC330Q3-T3-Z	334000	208-240/3	91	83	73	2	4	8	32.1	195.0	4	2.3	150	170	1.01
PAC370Q3-T3-Z	374000	208-240/3	91	83	73	2	4	9	33.6	225.0	4	2.3	160	180	1.01
PAC430Q3-T3-Z	443000	208-240/3	131	83	73	2	4	10	41.4	239.0	6	2.3	190	230	1.01
PAC490Q3-T3-Z	504200	208-240/3	131	83	73	2.5	4	11	47.1	245.0	6	2.3	220	260	1.01
PAC540Q3-T3-Z	545600	208-240/3	131	83	73	2.5	4	13	55	300.0	6	2.3	250	300	1.01
PAC630Q3-T3-Z	642500	208-240/3	171	83	73	3	4	15	60	340.0	8	2.3	280	330	1.01
PAC840Q3-T3-Z	852800	208-240/3	171	83	73	3	4	20	81.4	490.0	8	2.3	370	440	1.01
PAC1020Q3-T3-Z	1035300	208-240/3	231	88	85	4	4	25	100	500.0	8	6.6	480	570	1.01
PAC1280Q3-T3-Z	1301500	208-240/3	231	88	85	4	4	30	121.4	600.0	8	6.6	570	690	1.01
PAC280Q3-T4-Z	288100	460/3	91	83	73	2	4	7	14.3	98.0	4	1.2	70	75	1.01
PAC330Q3-T4-Z	334000	460/3	91	83	73	2	4	8	16.05	97.5	4	1.2	80	85	1.01
PAC370Q3-T4-Z	374000	460/3	91	83	73	2	4	9	16.8	112.5	4	1.2	80	90	1.01
PAC430Q3-T4-Z	443000	460/3	131	83	73	2	4	10	20.7	119.5	6	1.2	100	110	1.01
PAC490Q3-T4-Z	504200	460/3	131	83	73	2.5	4	11	23.55	122.5	6	1.2	110	130	1.01
PAC540Q3-T4-Z	545600	460/3	131	83	73	2.5	4	13	27.5	150.0	6	1.2	130	150	1.01
PAC630Q3-T4-Z	642500	460/3	171	83	73	3	4	15	30	170.0	8	1.2	140	160	1.01
PAC840Q3-T4-Z	852800	460/3	171	83	73	3	4	20	40.7	245.0	8	1.2	190	220	1.01
PAC1020Q3-T4-Z	1035300	460/3	231	88	85	4	4	25	50	250.0	8	3.1	240	280	1.01
PAC1280Q3-T4-Z	1301500	460/3	231	88	85	4	4	30	60.7	300.0	8	3.1	290	340	1.01



PAC800D3-T3-T

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

Standard Features

- Advanced Microprocessor: BMS, BAS communications, remote access, monitoring services
- Stainless Steel Brazed Plate Evaporator: Fully insulated and selected based upon application

- 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...



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
- 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

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor				Max. Fuse	Wt. (Lbs.)
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA			
PAC800D3-T3-T	708000	208-240/3	175	88	88	3	2	38	136	480.0	6	6.6	350		480	1.01
PAC1000D3-T3-T	944000	208-240/3	175	88	88	3	2	50	180	650.0	6	6.6	450		620	1.01
PAC1200D3-T3-T	1219000	208-240/3	231	88	88	4	2	66	238	970.0	8	6.6	590		820	1.01
PAC1400D3-T3-T	1368000	208-240/3	231	88	88	4	2	70	254	970.0	8	6.6	630		870	1.01
PAC1600D3-T3-T	1665000	208-240/3	286	88	88	5	2	81	304	440.0	10	6.6	750		1050	1.01
PAC1800D3-T3-T	1818000	208-240/3	341	88	88	5	2	90	340	440.0	12	6.6	850		1180	1.01
PAC2000D3-T3-T	2153000	208-240/3	396	88	88	5	2	107	384	630.0	14	6.6	960		1340	1.01
PAC800D3-T4-T	708000	460/3	175	88	88	3	2	38	68	240.0	6	3.1	180		230	1.01
PAC1000D3-T4-T	944000	460/3	175	88	88	3	2	50	90	325.0	6	3.1	230		310	1.01
PAC1200D3-T4-T	1219000	460/3	231	88	88	4	2	66	119	485.0	8	3.1	300		410	1.01
PAC1400D3-T4-T	1368000	460/3	231	88	88	4	2	70	127	485.0	8	3.1	320		430	1.01
PAC1600D3-T4-T	1665000	460/3	286	88	88	5	2	81	152	720.0	10	3.1	380		520	1.01
PAC1800D3-T4-T	1818000	460/3	341	88	88	5	2	90	170	720.0	12	3.1	420		580	1.01
PAC2000D3-T4-T	2153000	460/3	396	88	88	5	2	107	192	815.0	14	3.1	480		660	1.01

PACKAGED AIR COOLED CHILLER



SCROLL COMPRESSOR, SINGLE CIRCUIT, R407C R404A



PACKAGED CHILLERS, COMPONENTS & ACCESSORIES

Part No.	BTUH at 95°F Amb. 45°F Lwt	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor				Fan Motor		MCA	Max. Fuse	Wt. (Lbs.)
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.			
PAC12S3-S2-Z	14400	208-240/1	36	34	40	3/4 FPT	1	1.3	10	42.0	1	3.3	20	25	250.00
PAC18S3-S2-Z	20400	208-240/1	36	34	40	3/4 FPT	1	2	15.7	61.0	1	3.3	25	40	250.00
PAC18S3-T3-Z	20400	208-240/3	36	34	40	3/4 FPT	1	2	8.9	55.0	1	3.3	15	20	250.00
PAC18S3-T4-Z	20400	460/3	36	34	40	3/4 FPT	1	2	4.3	27.0	1	1.6	15	15	250.00
PAC24S3-S2-Z	24000	208-240/1	36	34	40	1 FPT	1	2.5	15.7	73.0	1	3.3	25	40	275.00
PAC24S3-T3-Z	24000	208-240/3	36	34	40	1 FPT	1	2.5	8.2	63.0	1	3.3	15	20	275.00
PAC24S3-T4-Z	24000	460/3	36	34	40	1 FPT	1	2.5	4.3	31.0	1	1.6	15	15	275.00
PAC30S3-S2-Z	32400	208-240/1	36	34	40	1 FPT	1	3.5	20.7	127.0	1	3.3	30	45	300.00
PAC30S3-T3-Z	32400	208-240/3	36	34	40	1 FPT	1	3.5	13.9	88.0	1	3.3	25	30	300.00
PAC30S3-T4-Z	32400	460/3	36	34	40	1 FPT	1	3.5	7.1	44.0	1	1.6	15	15	300.00
PAC36S3-S2-Z	39600	208-240/1	56	34	40	1 FPT	1	4	25.0	132.0	1	3.3	35	50	500.00
PAC36S3-T3-Z	39600	208-240/3	56	34	40	1 FPT	1	4	15.0	115.0	1	3.3	25	35	500.00
PAC36S3-T4-Z	39600	460/3	56	34	40	1 FPT	1	4	7.4	48.0	1	1.6	15	15	500.00
PAC48S3-S2-Z	52800	208-240/1	56	34	40	1 FPT	1	5	30.1	175.0	1	3.3	45	70	550.00
PAC48S3-T3-Z	52800	208-240/3	56	34	40	1 FPT	1	5	20.7	115.0	1	3.3	30	45	550.00
PAC48S3-T4-Z	52800	460/3	56	34	40	1 FPT	1	5	8.9	63.0	1	1.6	15	20	550.00
PAC50S3-S2-Z	56400	208-240/1	56	34	40	1 FPT	1	5	27.9	129.0	1	3.3	40	60	575.00
PAC60S3-T3-Z	60000	208-240/3	56	34	40	1 FPT	1	6	20.7	156.0	1	3.3	30	45	600.00
PAC60S3-T4-Z	60000	460/3	56	34	40	1 FPT	1	6	11.5	70.0	1	1.6	20	25	600.00
PAC70S3-T3-Z	84000	208-240/3	85	34	40	1 1/4 FPT	1	8	32.1	195.0	2	3.3	50	70	700.00
PAC70S3-T4-Z	84000	460/3	85	34	40	1 1/4 FPT	1	8	16.4	95.0	2	1.6	25	40	700.00
PAC80S3-T3-Z	92400	208-240/3	85	34	40	1 1/4 FPT	1	9	33.6	225.0	2	3.3	50	80	725.00
PAC80S3-T4-Z	92400	460/3	85	34	40	1 1/4 FPT	1	9	17.3	114.0	2	1.6	25	40	725.00
PAC90S3-T3-Z	108000	208-240/3	85	34	40	1 1/4 FPT	1	10	41.4	238.0	2	3.3	50	90	750.00
PAC90S3-T4-Z	108000	460/3	85	34	40	1 1/4 FPT	1	10	19.2	125.0	2	1.6	30	45	750.00
PAC120S3-T3-Z	134400	208-240/3	85	34	40	1 1/4 FPT	1	12	55.0	300.0	2	3.3	80	125	850.00
PAC120S3-T4-Z	134400	460/3	85	34	40	1 1/4 FPT	1	12	25.7	150.0	2	1.6	40	60	850.00
PAC180S3-T3-Z	148800	208-240/3	143	44	54	2 MPT	1	15	60.0	340.0	2	2.3	80	125	1600.00
PAC180S3-T4-Z	148800	460/3	143	44	54	2 MPT	1	15	31.4	173.0	2	2.4	45	70	1600.00
PAC250S3-T3-Z	210000	208-240/3	183	44	54	2 1/2 MPT	1	20	81.4	505.0	3	2.3	100	175	1700.00
PAC250S3-T4-Z	210000	460/3	183	44	54	2 1/2 MPT	1	20	37.9	225.0	3	3.6	60	80	1700.00
PAC300S3-T3-Z	253200	208-240/3	183	44	54	2 1/2 MPT	1	25	100.0	500.0	3	2.3	125	225	1800.00
PAC300S3-T4-Z	253200	460/3	183	44	54	2 1/2 MPT	1	25	48.6	250.0	3	3.6	70	110	1800.00
PAC380S3-T3-Z	295200	208-240/3	223	44	54	2 1/2 MPT	1	30	121.4	599.0	4	2.3	150	250	2000.00
PAC380S3-T4-Z	295200	460/3	223	44	54	2 1/2 MPT	1	30	59.3	310.0	4	4.8	80	125	2000.00



PAC72D3-S2-Z

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		MCA	Max. Fuse	Wt. (Lbs.)
			L	W	H		Qty	HP	RLA Ea.	LRA Ea.	Qty	FLA Ea.			
PAC72D3-S2-Z	80400	208-240/1	75	34	47	1 1/4 FPT	2	4	25.0	132.0	2	3.3	70	80	900.00
PAC72D3-T3-Z	80400	208-240/3	75	34	47	1 1/4 FPT	2	4	15.0	115.0	2	3.3	45	50	900.00
PAC72D3-T4-Z	80400	460/3	75	34	47	1 1/4 FPT	2	4	7.4	48.0	2	1.6	20	25	900.00
PAC96D3-S2-Z	105800	208-240/1	75	34	47	1 1/4 FPT	2	5	30.1	175.0	2	3.3	80	100	1000.00
PAC96D3-T3-Z	105800	208-240/3	75	34	47	1 1/4 FPT	2	5	20.7	115.0	2	3.3	60	70	1000.00
PAC96D3-T4-Z	105800	460/3	75	34	47	1 1/4 FPT	2	5	8.9	63.0	2	1.6	25	30	1000.00
PAC100D3-S2-Z	111600	208-240/1	75	34	47	1 1/4 FPT	2	5	27.9	129.0	2	3.3	70	90	1100.00
PAC120D3-T3-Z	118800	460/3	75	34	47	1 1/4 FPT	2	6	20.7	156.0	2	3.3	60	70	1150.00
PAC120D3-T4-Z	118800	460/3	75	34	47	1 1/4 FPT	2	6	11.5	70.0	2	1.6	30	40	1150.00
PAC140D3-T3-Z	162000	208-240/3	85	40	47	1 1/4 FPT	2	8	32.1	195.0	2	3.3	80	110	1400.00
PAC140D3-T4-Z	162000	460/3	85	40	47	1 1/4 FPT	2	8	16.4	95.0	2	1.6	45	50	1400.00
PAC160D3-T3-Z	183600	208-240/3	85	40	47	1 1/4 FPT	2	9	33.6	225.0	2	3.3	90	110	1450.00
PAC160D3-T4-Z	183600	460/3	85	40	47	1 1/4 FPT	2	9	17.3	114.0	2	1.6	45	50	1450.00
PAC180D3-T3-Z	210000	208-240/3	85	40	47	1 1/2 FPT	2	10	41.4	239.0	2	3.3	100	125	1500.00
PAC180D3-T4-Z	210000	460/3	85	40	47	1 1/2 FPT	2	10	19.2	125.0	2	1.6	50	60	1500.00
PAC240D3-T3-Z	264000	208-240/3	66	75	49	1 1/2 FPT	2	12	55.0	300.0	4	3.3	150	175	1750.00
PAC240D3-T4-Z	264000	460/3	66	75	49	1 1/2 FPT	2	12	25.7	150.0	4	1.6	70	80	1750.00
PAC360D3-T3-Z	307200	208-240/3	143	84	54	2 1/2 MPT	2	15	60.0	340.0	4	2.3	150	200	2600.00
PAC360D3-T4-Z	307200	460/3	143	84	54	2 1/2 MPT	2	15	31.4	173.0	4	1.6	80	100	2600.00
PAC500D3-T3-Z	415200	208-240/3	183	84	54	3 MPT	2	20	81.4	505.0	6	2.3	200	250	2900.00
PAC500D3-T4-Z	415200	460/3	183	84	54	3 MPT	2	20	37.9	225.0	6	1.2	100	125	2900.00
PAC600D3-T3-Z	514800	208-240/3	223	84	54	3 MPT	2	25	100.0	500.0	8	2.3	225	300	3200.00
PAC600D3-T4-Z	514800	460/3	223	84	54	3 MPT	2	25	48.6	250.0	8	1.2	125	150	3200.00
PAC760D3-T3-Z	618000	208-240/3	223	84	54	4 VIC	2	30	121.4	599.0	8	2.3	300	400	4000.00
PAC760D3-T4-Z	618000	460/3	223	84	54	4 VIC	2	30	59.3	310.0	8	1.2	125	200	4000.00

PACKAGED AIR COOLED CHILLER



PACT12S3-S2-Z

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		RLA Ea.	LRA Ea.	Fan Motor		MCA	Max. Fuse	Wt. (Lbs.)
			L	W	H			Qty	HP			Qty	FLA Ea.			
PACT12S3-S2-Z	14000	208-240/1	36	34	60	3/4 FPT	30	1	1.3	10	42.0	1	3.3	25	30	550.00
PACT18S3-S2-Z	18000	208-240/1	36	34	60	3/4 FPT	30	1	2	15.7	61.0	1	3.3	30	40	600.00
PACT18S3-T3-Z	18000	208-240/3	36	34	60	3/4 FPT	30	1	2	8.9	55.0	1	3.3	20	25	600.00
PACT18S3-T4-Z	18000	460/3	36	34	60	3/4 FPT	30	1	2	4.3	27.0	1	1.6	15	15	600.00
PACT24S3-S2-Z	22000	208-240/1	36	34	60	1 FPT	30	1	2.5	15.7	73.0	1	3.3	30	40	650.00
PACT24S3-T3-Z	22000	208-240/3	36	34	60	1 FPT	30	1	2.5	8.2	63.0	1	3.3	20	25	650.00
PACT24S3-T4-Z	22000	460/3	36	34	60	1 FPT	30	1	2.5	4.3	31.0	1	1.6	15	15	650.00
PACT30S3-S2-Z	28800	208-240/1	36	34	60	1 FPT	30	1	3.5	20.7	127.0	1	3.3	35	50	700.00
PACT30S3-T3-Z	28800	208-240/3	36	34	60	1 FPT	30	1	3.5	13.9	88.0	1	3.3	30	35	700.00
PACT30S3-T4-Z	28800	460/3	36	34	60	1 FPT	30	1	3.5	7.1	44.0	1	1.6	15	15	700.00
PACT36S3-S2-Z	36000	208-240/1	56	34	66	1 FPT	30	1	4	25.0	132.0	1	3.3	40	60	800.00
PACT36S3-T3-Z	36000	208-240/3	56	34	66	1 FPT	30	1	4	15.0	115.0	1	3.3	30	40	800.00
PACT36S3-T4-Z	36000	460/3	56	34	66	1 FPT	30	1	4	7.4	48.0	1	1.6	15	15	800.00
PACT48S3-S2-Z	49200	208-240/1	56	34	66	1 FPT	60	1	5	30.1	175.0	1	1.6	50	70	850.00
PACT48S3-T4-Z	49200	460/3	56	34	66	1 FPT	60	1	5	8.9	63.0	1	1.6	15	20	850.00
PACT50S3-S2-Z	51600	208-240/1	56	34	66	1 FPT	60	1	5	27.9	129.0	1	3.3	45	70	875.00
PACT60S3-T3-Z	55200	208-240/3	56	34	66	1 FPT	60	1	6	20.7	156.0	1	1.6	35	50	900.00
PACT60S3-T4-Z	55200	460/3	56	34	66	1 FPT	60	1	6	11.5	70.0	1	1.6	20	25	900.00
PACT70S3-T3-Z	75600	208-240/3	85	34	66	1 FPT	60	1	8	32.1	195.0	2	3.3	60	80	1100.00
PACT70S3-T4-Z	75600	460/3	85	34	66	1 FPT	60	1	8	16.4	95.0	2	1.6	25	35	1100.00
PACT80S3-T3-Z	84000	208-240/3	85	34	66	1 1/4 FPT	90	1	9	33.6	225.0	2	3.3	60	80	1150.00
PACT80S3-T4-Z	84000	460/3	85	34	66	1 1/4 FPT	90	1	9	17.3	114.0	2	1.6	30	40	1150.00
PACT90S3-T3-Z	98400	208-240/3	85	34	66	1 1/4 FPT	90	1	10	41.4	239.0	2	3.3	70	100	1250.00
PACT90S3-T4-Z	98400	460/3	85	34	66	1 1/4 FPT	90	1	10	19.2	125.0	2	1.6	30	45	1250.00
PACT120S3-T3-Z	122400	208-240/3	85	34	66	1 1/4 FPT	90	1	12	55.0	300.0	2	3.3	90	125	1300.00
PACT120S3-T4-Z	122400	460/3	85	34	66	1 1/4 FPT	90	1	12	25.7	150.0	2	1.6	40	60	1300.00
PACT48S3-T3-Z	49200	208-240/3	56	34	66	1 FPT	60	1	5	20.7	115.0	1	1.6	35	50	850.00



PACT72D3-S2-Z

SCROLL COMPRESSOR, DUAL CIRCUIT WITH TANK, R407C R404A

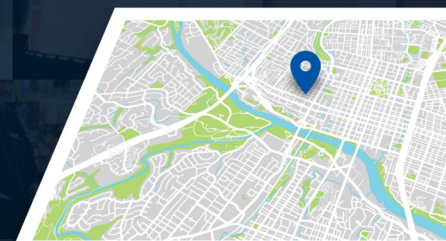


Part No.	BTUH at 95°F Amb. 45°F Lwt	Voltage	Dimensions (In.)			Fluid Process (In.)	Tank Capacity (Gal.)	Compressor		RLA Ea.	LRA Ea.	Fan Motor		MCA	Wt. (Lbs.)
			L	W	H			Qty	HP			Qty	FLA Ea.		
PACT72D3-S2-Z	73200	208-240/1	75	34	73	1 1/4 FPT	60	2	4	25.0	132.0	2	3.3	70	1100.00
PACT72D3-T3-Z	73200	208-240/3	75	34	73	1 1/4 FPT	60	2	4	15.0	115.0	2	3.3	50	1100.00
PACT72D3-T4-Z	73200	460/3	75	34	73	1 1/4 FPT	60	2	4	7.4	48.0	2	1.6	25	1100.00
PACT96D3-S2-Z	96000	208-240/1	75	34	73	1 1/4 FPT	90	2	5	30.1	175.0	2	3.3	90	1200.00
PACT96D3-T3-Z	96000	208-240/3	75	34	73	1 1/4 FPT	90	2	5	20.7	115.0	2	3.3	70	1200.00
PACT96D3-T4-Z	96000	460/3	75	34	73	1 1/4 FPT	90	2	5	8.9	63.0	2	1.6	30	1200.00
PACT100D3-S2-Z	102000	208-240/1	75	34	73	1 1/4 FPT	90	2	5	27.9	129.0	2	3.3	80	1250.00
PACT120D3-T3-Z	108000	208-240/3	75	34	73	1 1/4 FPT	90	2	6	20.7	156.0	2	3.3	70	1250.00
PACT120D3-T4-Z	108000	460/3	75	34	73	1 1/4 FPT	90	2	6	11.5	70.0	2	1.6	35	1250.00
PACT140D3-T3-Z	147000	208-240/3	85	40	73	1 1/2 FPT	90	2	8	32.1	195.0	2	3.3	90	1300.00
PACT140D3-T4-Z	147000	460/3	85	40	73	1 1/2 FPT	90	2	8	16.4	95.0	2	1.6	45	1300.00
PACT160D3-T3-Z	167000	208-240/3	85	40	73	1 1/2 FPT	35	2	9	33.6	225.0	2	3.3	100	1400.00
PACT160D3-T4-Z	167000	460/3	85	40	73	1 1/2 FPT	35	2	9	17.3	114.0	2	1.6	45	1400.00
PACT180D3-T3-Z	190800	208-240/3	85	40	73	1 1/2 FPT	35	2	10	41.4	239.0	2	3.3	110	1450.00
PACT180D3-T4-Z	190800	460/3	85	40	73	1 1/2 FPT	35	2	10	19.2	125.0	2	1.6	50	1450.00

uri.com

Your URI Branch Is Closer Than You Think!

Local Inventory. Local Experts. Find Your Branch.



PACKAGED AIR COOLED CHILLER



PAC150S3-T3-S

SEMI-HERMETIC COMPRESSOR, SINGLE CIRCUIT, R407C R404A



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor		Compressor	RLA Ea.	LRA Ea.	Fan Motor		MCA	Max. Fuse	Wt. (Lbs.)
			L	W	H		Qty	HP				Qty	FLA Ea.			
PAC150S3-T3-S	148800	208-240/3	145	44	54.5	2 MPT	1	15	3DS3R17ME	59.6	275.0	2	2.3	80	125	1600.00
PAC150S3-T4-S	148800	460/3	145	44	54.5	2 MPT	1	15	3DS3R17ME	29.0	138.0	2	1.2	40	60	1600.00
PAC200S3-T3-S	171600	208-240/3	145	44	54.5	2 MPT	1	20	4DA3R18ME	66.0	308.0	2	2.3	90	150	1700.00
PAC200S3-T4-S	171600	460/3	145	44	54.5	2 MPT	1	20	4DA3R18ME	33.0	154.0	2	1.2	45	80	1700.00
PAC220S3-T3-S	195600	208-240/3	145	44	54.5	2 MPT	1	22	4DB3R20ME	65.6	374.0	2	2.3	90	150	1700.00
PAC220S3-T4-S	195600	460/3	145	44	54.5	2 MPT	1	22	4DB3R20ME	32.8	187.0	2	1.2	45	70	1700.00
PAC250S3-T3-S	223200	208-240/3	183	44	54.5	2 MPT	1	25	4DH3R22ME	82.2	428.0	3	2.3	110	175	1900.00
PAC250S3-T4-S	223200	460/3	183	44	54.5	2 MPT	1	25	4DH3R22ME	41.1	214.0	3	1.2	60	90	1900.00
PAC301S3-T3-S	309600	208-240/3	183	44	54.5	2 1/2 MPT	1	30	6DB3R32ME	105.0	565.0	3	2.3	150	225	2050.00
PAC301S3-T4-S	309600	460/3	183	44	54.5	2 1/2 MPT	1	30	6DB3R32ME	52.5	283.0	3	1.2	70	110	2050.00
PAC351S3-T3-S	321600	208-240/3	143	44	54.5	2 1/2 MPT	1	35	6B4709PH	125.0	550.0	4	2.3	175	250	2400.00
PAC351S3-T4-S	321600	460/3	143	44	54.5	2 1/2 MPT	1	35	6B4709PH	62.5	275.0	4	1.2	80	125	2400.00
PAC400S3-T3-S	352000	208-240/3	143	84	54.5	2 1/2 MPT	1	40	6B5406PH	142.0	700.0	4	2.3	225	350	2900.00
PAC400S3-T4-S	352000	460/3	143	84	54.5	2 1/2 MPT	1	40	6B5406PH	71.0	350.0	4	1.2	110	175	2900.00
PAC500S3-T3-S	441600	208-240/3	183	84	54.5	3 MPT	1	50	6B6462PH	180.0	950.0	6	2.3	200	350	3100.00
PAC500S3-T4-S	441600	460/3	183	84	54.5	3 MPT	1	50	6B6462PH	90.0	425.0	6	1.2	100	175	3100.00
PAC600S3-T3-S	540000	208-240/3	183	84	54.5	3 MPT	1	60	8DS3R67ME	224.0	70.0	6	2.3	300	500	4900.00
PAC600S3-T4-S	540000	460/3	183	84	54.5	3 MPT	1	60	8DS3R67ME	112.0	535.0	6	1.2	150	250	4900.00



PAC150D3-T3-S

SEMI-HERMETIC COMPRESSOR, DUAL CIRCUIT, R407C R404A



Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor		Compressor	RLA Ea.	LRA Ea.	Fan Motor		MCA	Max. Fuse	Wt. (Lbs.)
			L	W	H		Qty	HP				Qty	FLA Ea.			
PAC150D3-T3-S	188400	208-240/3	145	44	54.5	2 1/2 MPT	2	7.5	3DA3R10ME	41.0	215.0	2	2.3	100	125	1800.00
PAC150D3-T4-S	188400	460/3	145	44	54.5	2 1/2 MPT	2	7.5	3DA3R10ME	20.0	106.0	2	1.2	50	60	1800.00
PAC200D3-T3-S	222000	208-240/3	145	44	54.5	2 1/2 MPT	2	10	3DB3R12ME	43.6	215.0	2	2.3	110	125	2100.00
PAC200D3-T4-S	222000	460/3	145	44	54.5	2 1/2 MPT	2	10	3DB3R12ME	20.0	106.0	2	1.2	50	60	2100.00
PAC240D3-T3-S	265200	208-240/3	183	44	54.5	2 1/2 MPT	2	12	3DF3R15ME	48.1	275.0	3	2.3	125	150	2250.00
PAC240D3-T4-S	265200	460/3	183	44	54.5	2 1/2 MPT	2	12	3DF3R15ME	23.6	138.0	3	1.2	60	80	2250.00
PAC300D3-T3-S	300000	208-240/3	183	44	54.5	2 1/2 MPT	2	15	3DS3R17ME	59.6	275.0	3	2.3	150	200	2600.00
PAC300D3-T4-S	300000	460/3	183	44	54.5	2 1/2 MPT	2	15	3DS3R17ME	29.0	138.0	3	1.2	70	90	2600.00
PAC400D3-T3-S	339600	208-240/3	143	84	54.5	2 1/2 MPT	2	20	4DA3R18ME	66.6	308.0	4	2.3	175	225	3100.00
PAC400D3-T4-S	339600	460/3	143	84	54.5	2 1/2 MPT	2	20	4DA3R18ME	33.3	154.0	4	1.2	80	110	3100.00

Continued on next page

Part No.	Nominal Cap. (BTUH)	Voltage	Dimensions (In.)			Fluid Process (In.)	Compressor					Fan Motor				
			L	W	H		Qty	HP	Compressor	RLA Ea.	LRA Ea.	Qty	FLA Ea.	MCA	Max. Fuse	Wt. (Lbs.)
PAC440D3-T3-S	392400	208-240/3	143	84	54.5	3 MPT	2	22	4DB3R20ME	65.6	374.0	4	2.3	175	200	2900.00
PAC440D3-T4-S	392400	460/3	143	84	54.5	3 MPT	2	22	4DB3R20ME	32.8	187.0	4	1.2	80	110	2900.00
PAC500D3-T3-S	446400	208-240/3	183	84	54.5	3 MPT	2	25	4DH3R22ME	82.1	428.0	6	2.3	200	250	2900.00
PAC500D3-T4-S	446400	460/3	183	84	54.5	3 MPT	2	25	4DH3R22ME	41.1	214.0	6	1.2	100	125	2900.00
PAC601D3-T3-S	627600	208-240/3	183	84	54.5	3 MPT	2	30	6DB3R32ME	105.0	565.0	6	2.3	250	350	5500.00
PAC601D3-T4-S	627600	460/3	183	84	54.5	3 MPT	2	30	6DB3R32ME	52.5	283.0	6	1.2	150	175	5500.00
PAC701D3-T3-S	650400	208-240/3	183	84	54.5	4 Flng	2	35	6B4709PH	117.0	550.0	8	2.3	300	400	5700.00
PAC701D3-T4-S	650400	460/3	183	84	54.5	4 Flng	2	35	6B4709PH	58.6	275.0	8	1.2	150	200	5700.00
PAC800D3-T3-S	720000	208-240/3	223	84	56.5	4 Flng	2	40	6B5406PH	157.1	700.0	8	2.3	400	500	5800.00
PAC800D3-T4-S	720000	460/3	223	84	56.5	4 Flng	2	40	6B5406PH	78.6	350.0	8	1.2	175	250	5800.00
PAC1000D3-T3-S	879600	208-240/3	228	89	56.5	4 Flng	2	50	6B6462PH	160.0	950.0	6	6.6	400	550	6400.00
PAC1000D3-T4-S	879600	460/3	228	89	56.5	4 Flng	2	50	6B6462PH	80.0	425.0	6	3.1	200	250	6400.00
PAC1200D3-T3-S	1060000	208-240/3	283	89	56.5	5 Flng	2	60	8DS3R67ME	224.3	70.0	8	6.6	600	700	6500.00
PAC1200D3-T4-S	1060000	460/3	283	89	56.5	5 Flng	2	60	8DS3R67ME	112.1	535.0	8	3.1	300	350	6500.00
PAC1400D3-T3-S	1295000	208-240/3	338	89	56.5	5 Flng	2	70	8C9400PH	228.6	288.0	10	6.6	600	800	8500.00
PAC1400D3-T4-S	1295000	460/3	338	89	56.5	5 Flng	2	70	8C9400PH	114.3	590.0	10	3.1	300	400	8500.00

SHELL AND TUBE CHILLER



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.

Westermeier
Industries Inc.

Part No.	Nominal HP	Nb. of Circuits	Dimensions (In.)	Connections (In.)		Working Pressure (psi)		Ship Wgt (Lbs.)
			L	Inlet	Outlet	Shell	Tube	
DX51	6.1	1	41.00	5/8	1 1/8	600	300	64.00
DX61	8.5	1	41.00	5/8	1 1/8	600	300	64.00
DX7.51	9.8	1	41.00	7/8	1 5/8	600	300	66.00
DX101	12.1	1	42.5	7/8	1 5/8	600	300	70.00
DX121	15.9	1	41.75	7/8	1 5/8	450	250	120.00
DX122	15.9	2	41.75	5/8	1 1/8	450	250	120.00
DX151	20	1	41.75	7/8	2 1/8	450	250	128.00
DX152	20	2	41.75	7/8	1 5/8	450	250	128.00
DX201	24.1	1	41.75	1 1/8	2 1/8	450	250	136.00
DX202	24.1	2	41.75	7/8	1 5/8	450	250	136.00
DX251	27.1	1	41.75	1 1/8	2 5/8	450	250	142.00
DX252	27.1	2	41.75	7/8	1 5/8	450	250	142.00
DX301	32.5	1	81.75	1 1/8	2 5/8	150	300	414.00
DX302	32.5	2	81.75	7/8	1 5/8	150	300	404.00
DX401	42.9	1	81.75	1 3/8	2 5/8	150	300	563.00
DX402	42.9	2	81.75	1 1/8	2 1/8	150	300	556.00
DX501	53.9	1	81.75	1 3/8	3 1/8	150	300	594.00
DX502	53.9	2	81.75	1 1/8	2 1/8	150	300	581.00
DX601	64.5	1	93.75	1 5/8	3 1/8	150	300	642.00
DX602	64.5	2	93.75	1 1/8	2 5/8	150	300	634.00
DX1002	125	2	94.88	1 3/8	3 1/8	150	225	1070.00
DX1202	136.5	2	94.88	1 3/8	3 1/8	150	225	1080.00
DX1502	172.9	2	94.88	1 3/8	3 1/8	150	225	1600.00
DX1752	198.1	2	96.63	1 3/8	2 5/8	150	225	1700.00

HEAT EXCHANGERS

BRAZED PLATE HEAT EXCHANGER

The Alfa Laval brazed plate heat exchangers 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; ease of installation.
- 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.
- All widely recognized pressure vessel codes available as standard.
- Every BHE is pressure and leak tested before delivery, ensuring top quality products.
- Working pressure: 650 psig



ACH30EQ40H

3.7" X 12.8"



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)				Ship Wgt (Lbs.)
		W	H	L	Inlet	Outlet	Water Outlet	Water Inlet	
ACH30EQ40H	4 and 5	3.70	2.70	12.80	1/2	7/8	7/8	7/8	10.20
ACH30EQ50H	5 and 6	3.70	3.30	12.80	5/8	1 1/8	1 1/8	1 1/8	12.20
ACH30EQ60H	6 and 7 1/2	3.70	3.90	12.80	5/8	1 1/8	1 1/8	1 1/8	14.20



CH1/2A

5" X 12"



Part No.	Nominal Tons	Dimensions (In.)			Connection IDS (In.)				Ship Wgt (Lbs.)
		W	H	L	Inlet	Outlet	Water Outlet	Water Inlet	
CH1/2A	1/2	4.90	1.10	12.20	5/8	5/8	7/8	7/8	5.80
CH3/4A	3/4	4.90	1.30	12.20	5/8	5/8	7/8	7/8	6.40
CH1-1/2A	1 1/2	4.90	1.90	12.20	5/8	5/8	7/8	7/8	8.30
CH2A	2	4.90	2.20	12.20	5/8	5/8	7/8	7/8	9.60
CH3A	3	4.90	3.20	12.20	5/8	5/8	7/8	7/8	12.70
CH3-1/2A	3 1/2	4.90	3.70	12.20	5/8	7/8	7/8	7/8	14.60