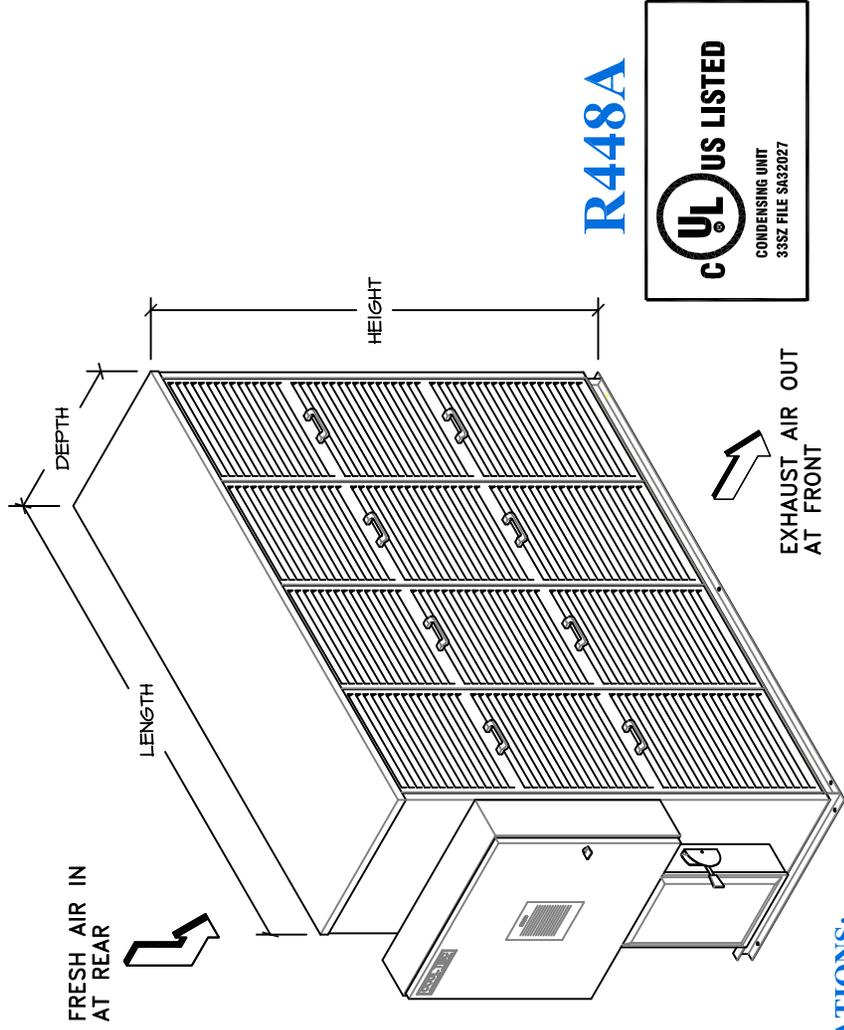


"ECONO-PAK" MULTI-COMPRESSOR RACK WITH AIR COOLED CONDENSING UNITS



TYPICAL APPLICATIONS:

Auditoriums, Bars, Bakeries, Schools, Supermarkets, Warehouses, Liquor Stores, Restaurants, Cafeterias, Reach-In Units, Display Cases, Grab-N-Go Cases, Under-Counter Refrigerators and Freezers, Walk-In Coolers and Freezers, Cold Pans, and various types of related equipment for food service operations.

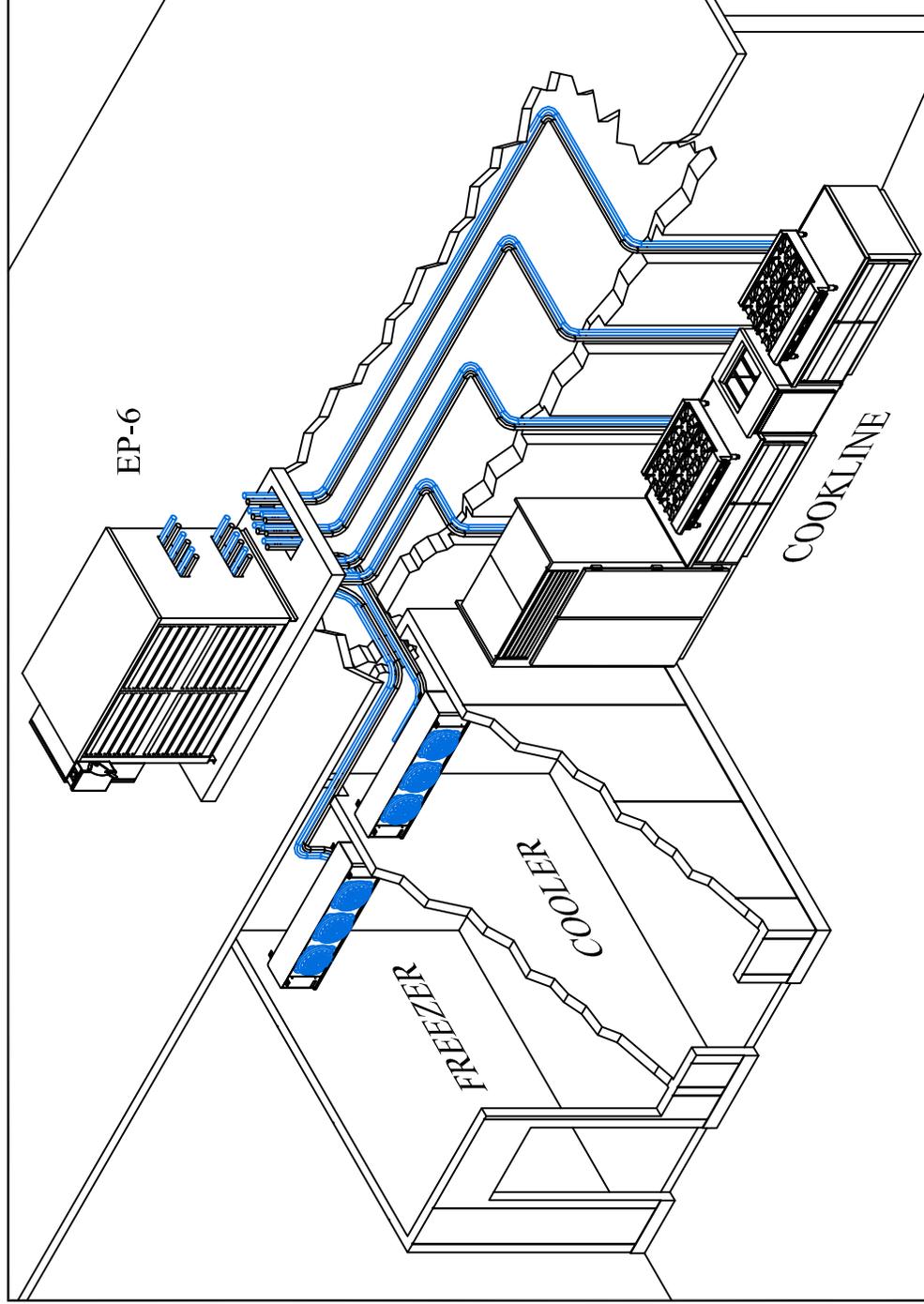
CAPACITY RANGE:

Custom designed refrigeration system. Available in 4' to 16' lengths for multi-unit application, available in double and triple tier arrangements.

FEATURES:

- Ideal for All Weather Area** - The condensing units are installed in a weather protected housing. This provides an economical refrigeration system for all weather areas.
- Centralized Controls** - The pre-engineered control panel with main-fused disconnect is mounted on the unit with all controls pre-wired. This reduces the installation and maintenance cost.
- Accessibility** - The louvered panel can be easily removed for service. All controls and accessories are easily accessible.
- Rigid Construction** - The all welded frame is constructed of heavy duty structural steel and coated with two coats of baked enamel, epoxy backed paint.
- Reduced Field Labor** - The unit is shipped to the job site with all components mounted and ready for final hook-up. This reduces field installation time and eliminates lost time due to missing parts.

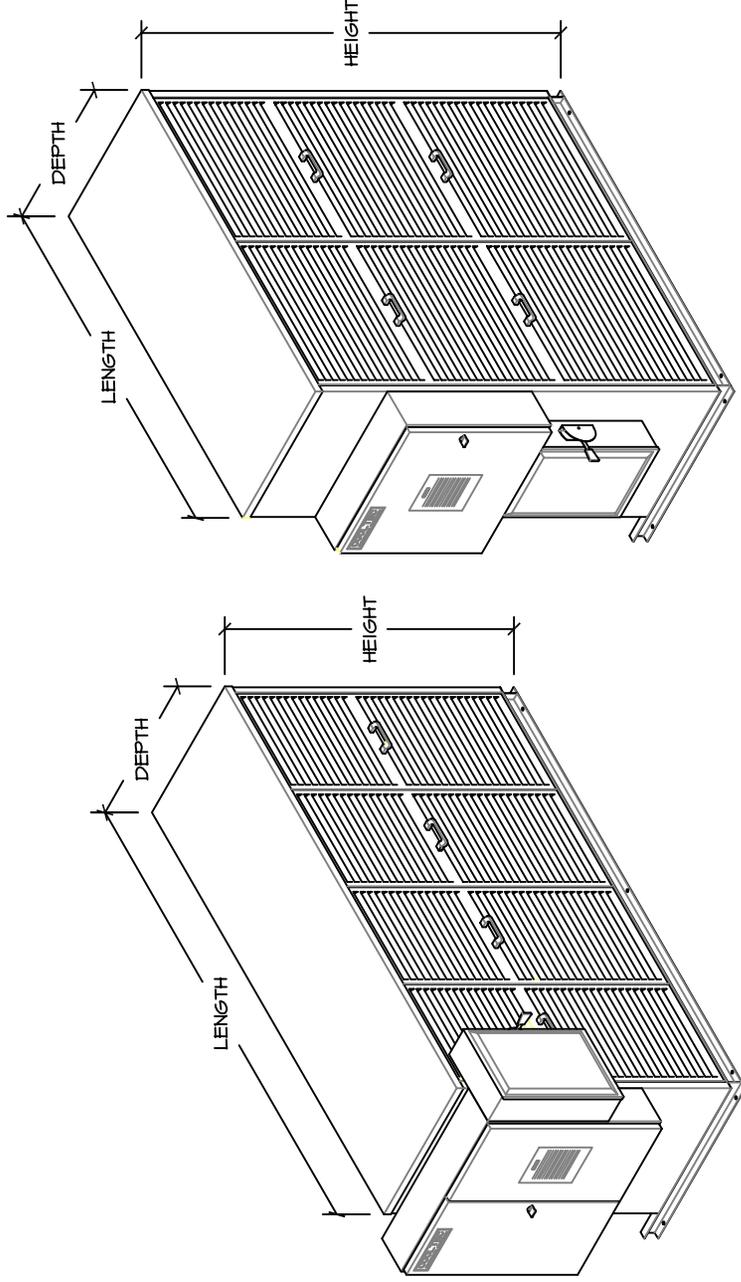
YOUR ENERGY EFFICIENT SOLUTION



MAXIMUM ENERGY SAVINGS

- REDUCES AIR CONDITIONING REQUIREMENTS BY ELIMINATING COMPRESSOR HEAT BUILDUP IN KITCHEN
- REDUCES MAINTENANCE AND SERVICE COST
- REDUCES OPERATING COSTS
- REDUCES REFRIGERATION DOWNTIME
- REDUCES SPACE REQUIREMENTS IN KITCHEN
- SINGLE ROOF CURB
- SINGLE ROOF PENETRATION

"ECONO-PAK" MULTI-COMPRESSOR RACK WITH AIR COOLED CONDENSING UNITS



EP-SERIES (TWO TIER)

EPT-SERIES (THREE TIER)

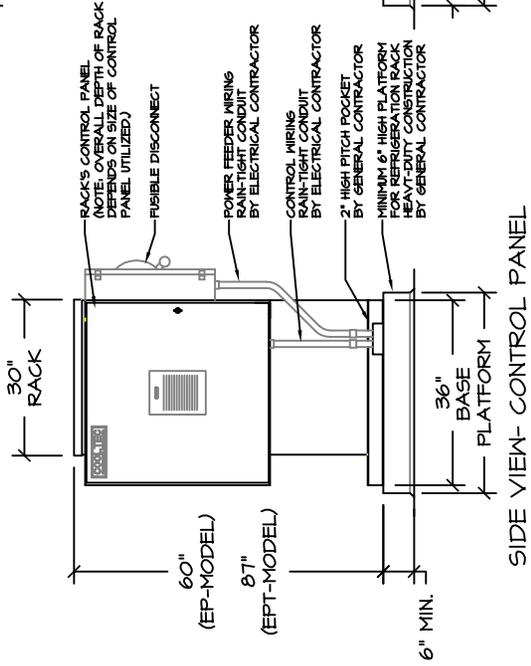
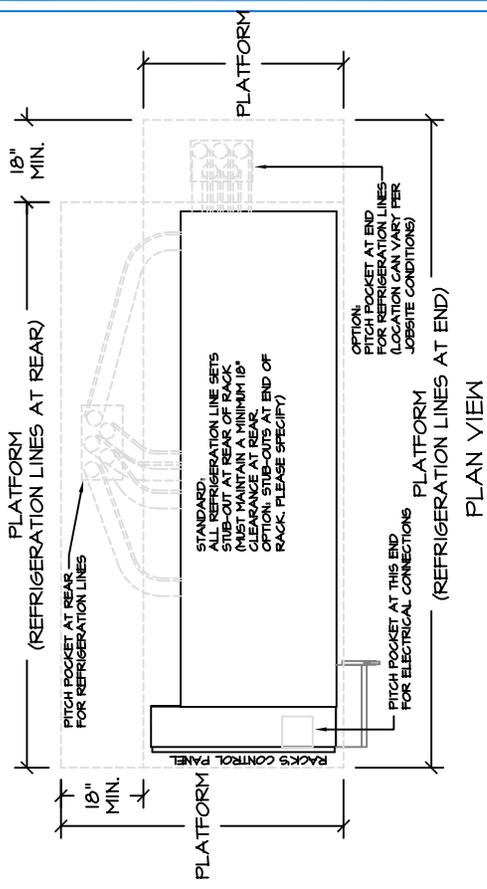
GENERAL SPECIFICATIONS						
NUMBER OF TIERS	MODEL NO.	MAXIMUM NUMBER OF CONDENSING UNITS (SPACE)	BODY DIMENSIONS		CONTROL PANEL SIZE	ELECTRICAL
			LENGTH	DEPTH**		
TWO TIER	EP-4	4	48"	30"	60"	208V/3PH/60HZ
	EP-6	6	72"	30"	60"	208V/3PH/60HZ
	EP-8	8	96"	30"	60"	208V/3PH/60HZ
	EP-12	12	144"	30"	60"	208V/3PH/60HZ
	EP-16	16	192"	30"	60"	208V/3PH/60HZ
	EPT-4	6	48"	30"	87"	208V/3PH/60HZ
THREE TIER	EPT-6	9	72"	30"	87"	208V/3PH/60HZ
	EPT-8	12	96"	30"	87"	208V/3PH/60HZ

**Overall depth may vary, depending on control panel utilized on the rack and size and location of fusible disconnect.

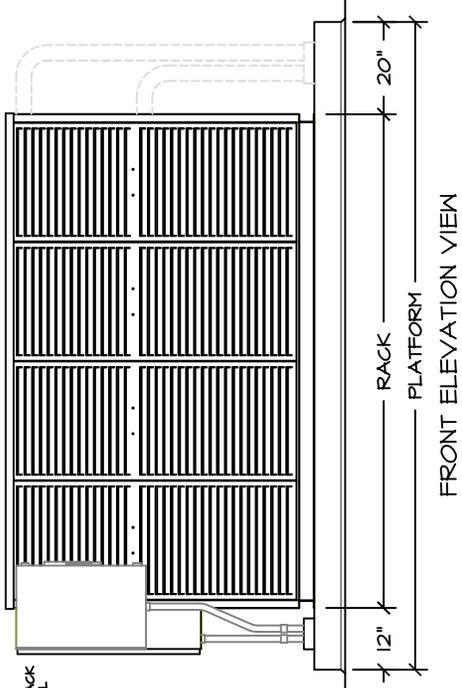
NOTES: *1/2 and 3/4 hp condensing units rated at 208V/1PH/60HZ

*Electrical power also available in 480V/3PH/60HZ consult factory. *2HP - 5HP will take 2 spaces.

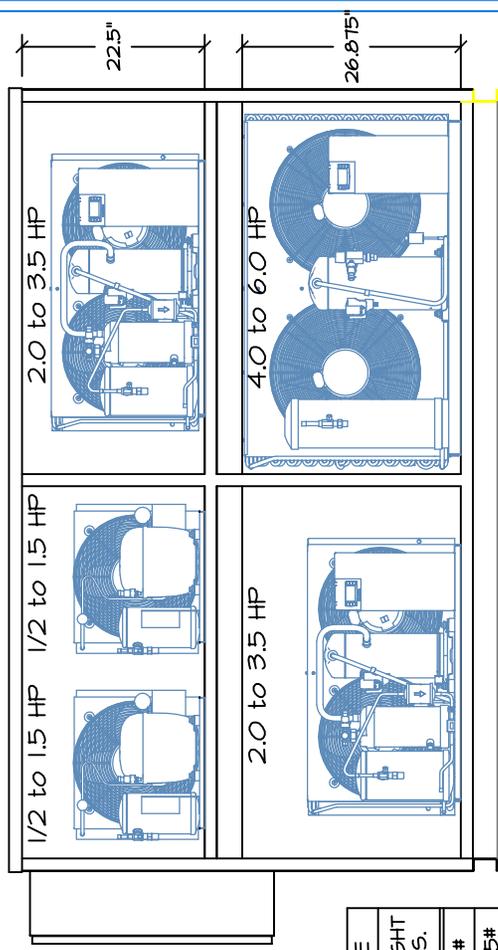
*Installation clearance 3 feet. *Refrigeration lines stubbed out at rear or at the end of rack.



SIDE VIEW- CONTROL PANEL



FRONT ELEVATION VIEW



CONDENSING UNIT SET-UPS INSIDE HOUSING

HP	DIMENSIONS		WEIGHT
	WIDTH	DEPTH	LIBS.
1/2 TO 1.5	18.3"	24.1"	115#
2.0 TO 3.5	34.1"	25"	225#
4.0 TO 6.0	44.1"	28.2"	400#

"ECONO-PAK" MULTI-COMPRESSOR RACK WITH AIR COOLED CONDENSING UNITS

MEDIUM TEMPERATURE		HERMETIC/SCROLL COMPRESSORS										R-448A		WALK-IN COOLER		
CONDENSING UNIT CAPACITY		ELECTRIC DATA		CONDENSING UNIT DIMENSIONS (INCHES)			COIL QTY		COIL MODEL NO.		RATING @ 1-PH, 60 HZ		LINE SIZE (100' MAX.)		TOTAL SYSTEM	
HP	COMPRESSOR MODEL NO. (Copeland)	CAPACITY MBH @ 95°F AMB		VOLTS/PHASE/60Hz	L	D	H	COIL	MODEL NO.	FAN MOTOR RLA	DEEROST HTR, RLA 208V/1PH	SUCTION OD	LIQUID OD	TOTAL SYSTEM VOLTS/PHASE/60Hz		WEIGHT LBS. CONDENSING UNIT
		+20°F	+25°F											208-230/3	208V 3PH	
0.5	RHM05-2S	4.265	4.775	5.25	16.3	24.0	13.1	1	ADT-040	0.9	115	---	5/8	3/8	5.25	84
0.75	RHM08-2S	7.49	8.195	9.3	18.3	24.0	16.1	1	ADT-070	1.8	115	---	7/8	3/8	9.3	99
1.0	RHM10-2S	8.92	9.95	10.0	18.3	24.0	16.5	1	ADT-090	1.8	115	---	7/8	3/8	10.0	107
1.5	RZM15-2T	10.5	11.6	12.6	18.3	24.0	16.5	1	ADT-104	1.8	115	---	7/8	3/8	12.6	133
2.0	RZM20-2T	11.75	13.0	---	9.7	34.1	25.2	19.0	1	ADT-120	1.8	115	---	7/8	3/8	248
2.25	RZM22-2T	14.45	15.95	---	10.6	34.1	25.2	19.0	1	ADT-140	2.7	115	---	7/8	1/2	216
3.0	RZM30-2T	16.35	18.05	---	13.7	34.1	25.2	19.0	1	ADT-156	2.7	115	---	7/8	1/2	205
3.25	RZM32-2T	22.7	25.0	---	15.2	34.1	25.2	19.0	1	ADT-208	4.5	115	---	1-1/8	1/2	199
4.0	RZM40-2T	26.1	29.1	---	15.5	44.1	28.2	26.8	1	ADT-260	5.4	115	---	1-1/8	1/2	379
4.25	RZM42-2T	33.4	36.9	---	22.3	44.1	28.2	26.8	1	ADT-312	5.4	115	---	1-1/8	1/2	397
5.0	RZM50-2T	38.05	41.95	---	21.4	44.1	28.2	26.8	1	ADT-370	5.4	115	---	1-3/8	1/2	362

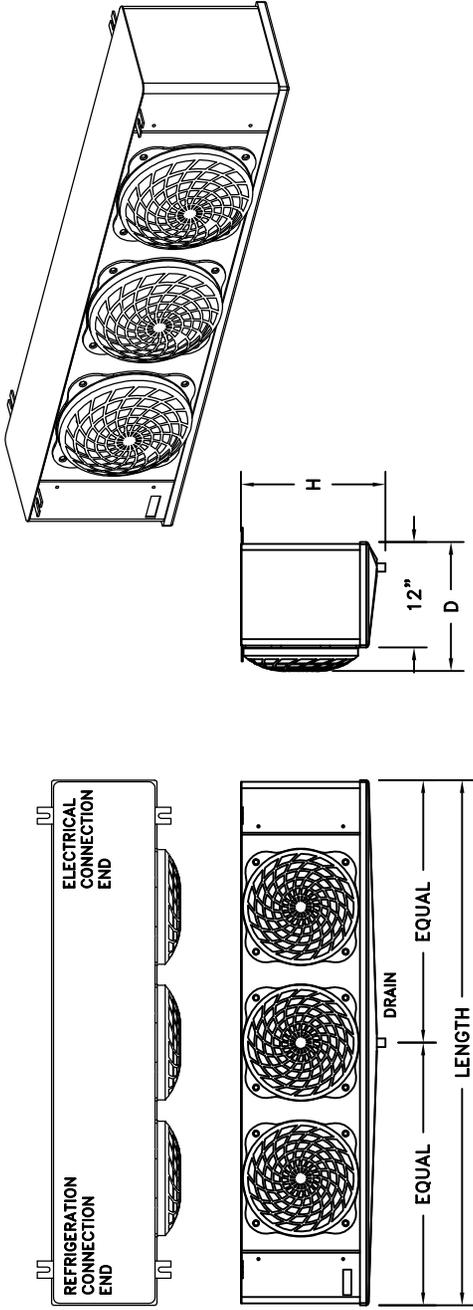
- NOTES: 1. Condensing unit capabilities are 95°F ambient. Cooler temp is at 35°F with 25°F suction gas temp.
 2. Unit cooler and condensing units will have separate power supplies for walk-in cooler applications.
 3. 1MBH=1000BTUs/Hour
 4. Weight in lbs. for condensing unit only.

LOW TEMPERATURE		HERMETIC/SCROLL COMPRESSORS										R-448A		WALK-IN FREEZER		
CONDENSING UNIT CAPACITY		ELECTRIC DATA		CONDENSING UNIT DIMENSIONS (INCHES)			COIL QTY		COIL MODEL NO.		RATING @ 1-PH, 60 HZ		LINE SIZE (100' MAX.)		TOTAL SYSTEM	
HP	COMPRESSOR MODEL NO. (Copeland)	CAPACITY MBH @ 95°F AMB		VOLTS/PHASE/60Hz	L	D	H	COIL	MODEL NO.	FAN MOTOR RLA	DEEROST HTR, RLA 208V/1PH	SUCTION OD	LIQUID OD	TOTAL SYSTEM VOLTS/PHASE/60Hz		WEIGHT LBS. CONDENSING UNIT
		-10°F	-20°F											208-230/3	208V 3PH	
0.5	RHL05-2S	3.788	2.98	5.4	16.3	24.0	13.1	1	TL-21	0.5	208	4.8	5/8	3/8	5.9	87
0.75	RHL08-2S	5.198	3.96	6.6	18.3	24.0	16.1	1	LET-035	0.5	208	3.9	5/8	3/8	7.1	99
1.0	RHL10-2S	6.194	4.735	10.0	18.3	24.0	16.5	1	LET-065	1.0	208	7.8	7/8	3/8	11.0	107
1.5	RZL15-2T	9.441	7.389	12.6	18.3	24.0	16.5	1	LET-065	1.0	208	7.8	7/8	3/8	13.6	133
2.0	RZL20-2T	11.35	8.851	---	9.7	34.1	25.2	19.0	1	LET-075	1.0	208	7.8	7/8	3/8	250
3.0	RZL30-2T	12.612	9.872	---	13.7	34.1	25.2	19.0	1	LET-090	1.0	208	7.8	7/8	3/8	220
3.5	RZL35-2T	15.687	12.262	---	10.9	44.1	28.2	26.8	1	LET-120	1.5	208	11.7	7/8	3/8	220
4.0	RZL40-2T	18.850	14.60	---	15.5	44.1	28.2	26.8	1	LET-140	1.5	208	11.7	1-1/8	3/8	400
5.0	RZL50-2T	23.15	17.95	---	17.0	44.1	28.2	26.8	1	LET-160	2.0	208	15.7	1-1/8	1/2	362

- NOTES: 1. Condensing unit capabilities are 95°F ambient. Freezer is at -10°F with -20°F suction gas temp.
 2. Unit cooler and condensing units will have SAME power supplies for walk-in freezer (low temp.) applications.
 3. 1MBH=1000BTUs/Hour
 4. Weight in lbs. for condensing unit only.

COOLTEC

UNIT COOLER DETAIL



UNIT MODEL No.	CAPACITY BTU	DIMENSIONS (INCHES)		FANS				ELEC DEFFROST 208-1-60	CONNECTIONS (In.)			APPROX. SHIP WT. (Lbs.)
		LENGTH	D	QTY.	CFM	EC MOTOR 115/1/60	EC MOTOR 208/1/60		COIL INLET OD	SUCTION ID	DRAIN MPT	
ADT040AEK	4000	29-1/2"	15"	1	730	0.9	--	--	1/2"	5/8"	3/4"	28
ADT052AEK	5200	29-1/2"	15"	1	700	0.9	--	--	1/2"	5/8"	3/4"	31
ADT065AEK	6500	29-1/2"	15"	1	650	0.9	--	--	1/2"	5/8"	3/4"	34
ADT070AEK	7000	45-1/2"	15"	2	1460	1.8	--	--	1/2"	7/8"	3/4"	45
ADT090AEK	9000	45-1/2"	15"	2	1400	1.8	--	--	1/2"	7/8"	3/4"	48
ADT104AEK	10400	45-1/2"	15"	2	1400	1.8	--	--	1/2"	7/8"	3/4"	49
ADT120AEK	12000	45-1/2"	15"	2	1300	1.8	--	--	1/2"	7/8"	3/4"	51
ADT130AEK	13000	45-1/2"	15"	2	1300	1.8	--	--	1/2"	7/8"	3/4"	53
ADT140AEK	14000	61-1/2"	15"	3	2100	2.7	--	--	1/2"	7/8"	3/4"	63
ADT156AEK	15600	61-1/2"	15"	3	2100	2.7	--	--	1/2"	7/8"	3/4"	67
ADT180AEK	18000	61-1/2"	15"	3	1950	2.7	--	--	1/2"	7/8"	3/4"	69
ADT208AEK	20800	77-1/2"	15"	4	2800	3.6	--	--	1/2"	1-1/8"	3/4"	82
ADT260AEK	26000	93-1/2"	15"	5	3250	4.5	--	--	1/2"	1-1/8"	3/4"	103
ADT312AEK	31200	109-1/2"	15"	6	3900	5.4	--	--	1/2"	1-1/8"	3/4"	124
ADT370AEK	37000	109-1/2"	15"	6	3900	5.4	--	--	1/2"	1-3/8"	3/4"	127

MEDIUM TEMP COIL

UNIT MODEL No.	CAPACITY BTU	DIMENSIONS (INCHES)		FANS				ELEC DEFFROST 208-1-60	CONNECTIONS (In.)			APPROX. SHIP WT. (Lbs.)
		LENGTH	D	QTY.	CFM	EC MOTOR 115/1/60	EC MOTOR 208/1/60		COIL INLET OD	SUCTION ID	DRAIN MPT	
LET035BEK	3500	29-1/2"	15"	1	700	--	0.5	3.9	1/2"	5/8"	3/4"	24
LET040BEK	4000	29-1/2"	15"	1	700	--	0.5	3.9	1/2"	5/8"	3/4"	26
LET047BEK	4700	29-1/2"	15"	1	650	--	0.5	3.9	1/2"	5/8"	3/4"	29
LET065BEK	6500	45-1/2"	15"	2	1400	--	1.0	7.8	1/2"	5/8"	3/4"	43
LET075BEK	7500	45-1/2"	15"	2	1300	--	1.0	7.8	1/2"	5/8"	3/4"	45
LET090BEK	9000	45-1/2"	15"	2	1300	--	1.0	7.8	1/2"	5/8"	3/4"	48
LET120BEK	12000	61-1/2"	15"	3	2100	--	1.5	11.7	1/2"	7/8"	3/4"	60
LET140BEK	14000	61-1/2"	15"	3	1950	--	1.5	11.7	1/2"	7/8"	3/4"	62
LET160BEK	16000	77-1/2"	15"	4	2600	--	2.0	15.7	1/2"	1-1/8"	3/4"	81
LET180BEK	18000	77-1/2"	15"	4	2600	--	2.0	15.7	1/2"	1-1/8"	3/4"	84
LET200BEK	20000	93-1/2"	15"	5	2600	--	2.5	19.6	1/2"	1-1/8"	3/4"	101
LET240BEK	24000	109-1/2"	15"	6	3900	--	3.0	23.5	1/2"	1-1/8"	3/4"	121
LET280BEK	28000	109-1/2"	15"	6	3900	--	3.0	23.5	1/2"	1-3/8"	3/4"	124

LOW TEMP COIL

COOLTEC REFRIGERATION CORP.

1250 E. FRANKLIN AVE. UNIT B, POMONA, CA 91766 * T: 909-865-2229 * F: 909-868-0777

sales@cooltecrefrigeration.com * www.cooltecrefrigeration.com

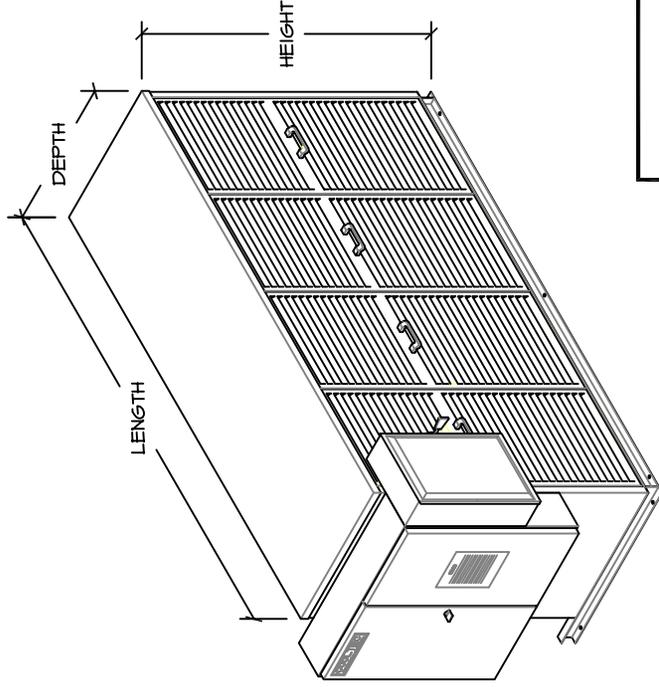
COOLTEC

"ECONO-PAK" MULTI-COMPRESSOR RACK WITH AIR COOLED CONDENSING UNITS

ITEM: _____

MODEL NO.#: _____

QTY: _____



R448A



EP-SERIES (TWO TIER)

GENERAL SPECIFICATIONS							
NUMBER OF TIERS	MODEL NO.	MAXIMUM NUMBER OF CONDENSING UNITS (SPACE)	BODY DIMENSIONS		CONTROL PANEL SIZE	ELECTRICAL	
			LENGTH	DEPTH**			HEIGHT
TWO TIER	EP-4	4	48"	30"	60"	24" x 24" x 10"	208V/3PH/60HZ
	EP-6	6	72"	30"	60"	30" x 30" x 10"	208V/3PH/60HZ
	EP-8	8	96"	30"	60"	36" x 36" x 10"	208V/3PH/60HZ
	EP-12	12	144"	30"	60"	36" x 36" x 10"	208V/3PH/60HZ
	EP-16	16	192"	30"	60"	48" x 36" x 10"	208V/3PH/60HZ

STANDARD FEATURES

- Air-cooled condenser, designed to meet jobsite ambient conditions.
- U.L. listed refrigeration package with main fused disconnect.
- Weather proof enclosure with powder coat finish.
- Suction and discharge valves on all compressors.
- Condensing unit with pre-assembled liquid line drier and sight glass, suction line vibration eliminator for semi-hermetic units, crankcase heater, pressure control, contactors, breakers, 24 hour timer for medium temp units (for cooler defrost application) defrost timer for freezer's electric defrost applications. Fusible disconnect and electrical control panel for single point connection. Weather housing with removable louvered panel on both sides. All are pre-piped and pre-wired, electrically tested and started.

OPTIONS

- Additional four (4) year compressor warranty.
- Prison packages.
- Factory start-up trips.
- 480V/3PH operation.
- 50 cycle for export projects.
- Stainless steel weather housing.

COOLTEC REFRIGERATION CORP.

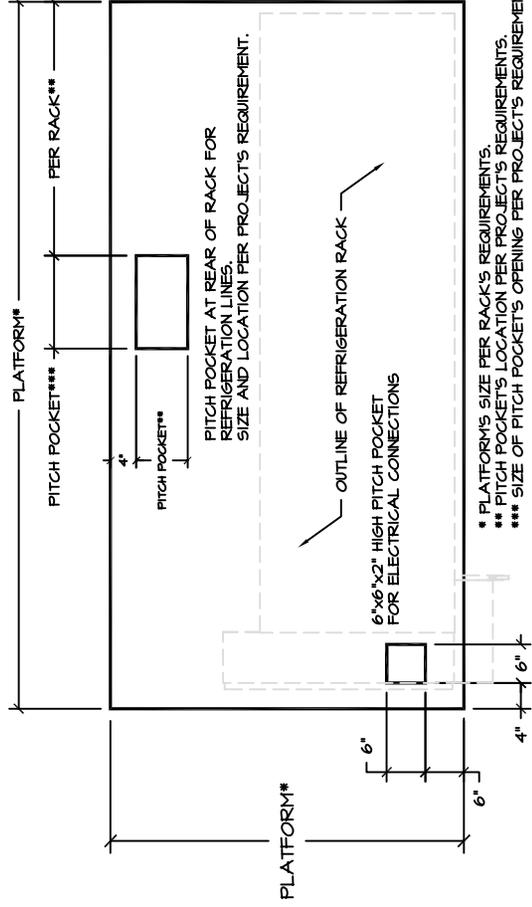
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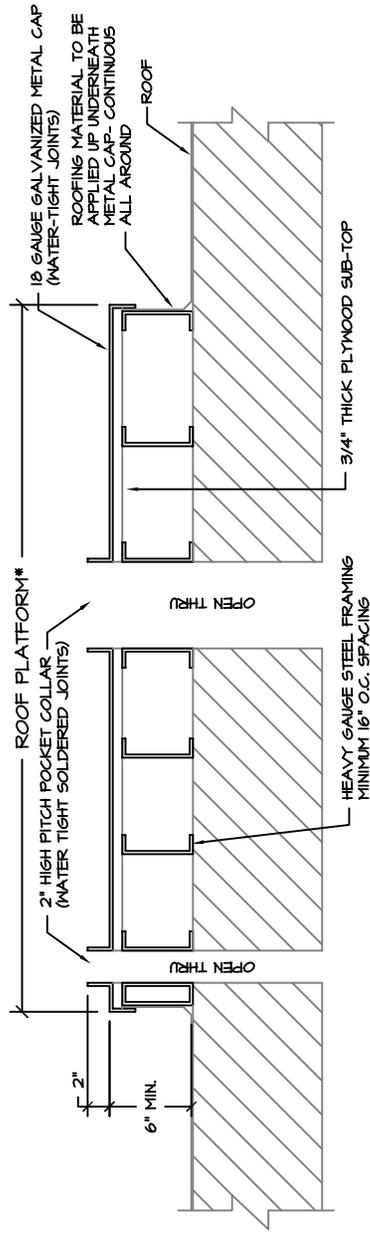
sales@cooltecrefrigeration.com

www.cooltecrefrigeration.com



* PLATFORM'S SIZE PER RACK'S REQUIREMENTS
 ** PITCH POCKET'S LOCATION PER PROJECT'S REQUIREMENTS
 *** SIZE OF PITCH POCKET'S OPENING PER PROJECT'S REQUIREMENTS.

PLAN VIEW OF OUTDOOR PLATFORM BY GENERAL CONTRACTOR



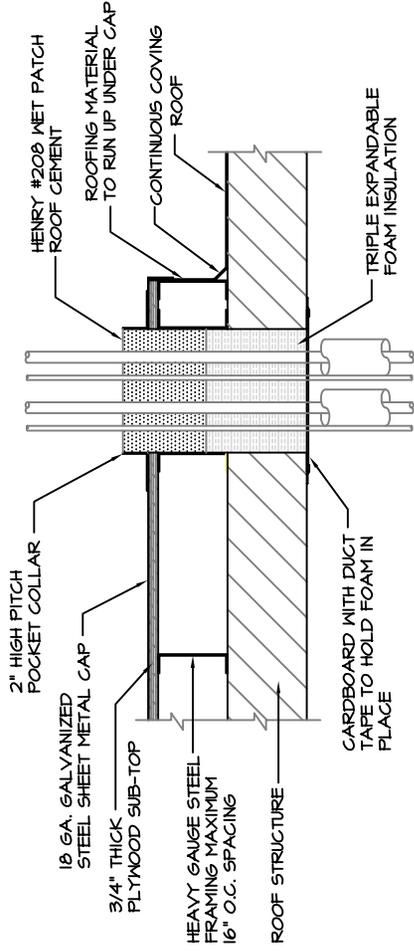
ELEVATION - SECTION VIEW

INSTRUCTIONS FOR GENERAL CONTRACTOR

- GENERAL CONTRACTOR TO PROVIDE A LEVELED ROOF PLATFORM AT CODE HEIGHT AND REQUIREMENTS.
- PROVIDE WATER-TIGHT SHEET METAL CAP WITH MINIMUM 2" HIGH PITCH POCKET COLLARS.

INSTRUCTIONS FOR REFRIGERATION CONTRACTOR

- TAPE CARDBOARD AT THE BOTTOM OF EACH PITCH POCKET OPENING AS SHOWN.
- TRIPLE EXPANDABLE FOAM INSULATION (LOW CHEMICAL "GREAT STUFF INSULATION") AND LET FOAM CURE FOR ONE HOUR.
- APPLY HENRY #208 WET PATCH ROOF CEMENT IN BETWEEN REFRIGERATION PIPING, ELECTRICAL LINES, AND FOAM. LET CURE FOR FOUR HOURS. THIS SHOULD SEAL ALL PIPING AND LINES IN THE PITCH POCKET. TO PREVENT RAIN WATER FROM PENETRATING THROUGH.



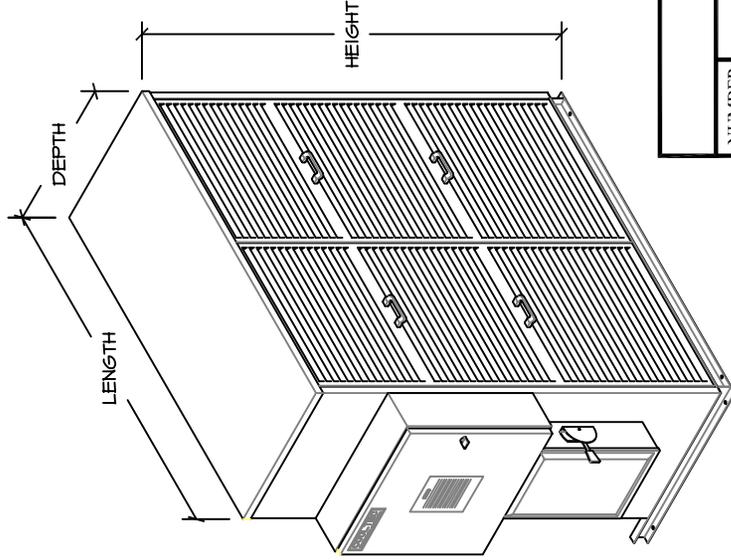
COOLTEC

"ECONO-PAK" MULTI-COMPRESSOR RACK WITH AIR COOLED CONDENSING UNITS

ITEM: _____

MODEL NO.#: _____

QTY: _____



R448A



GENERAL SPECIFICATIONS						
NUMBER OF TIERS	MODEL NO.	MAXIMUM NUMBER OF CONDENSING UNITS (SPACE)	BODY DIMENSIONS		CONTROL PANEL SIZE	ELECTRICAL
			LENGTH	DEPTH**		
THREE	EPT-4	6	48"	30"	87"	208V/3PH/60HZ
	EPT-6	9	72"	30"	87"	208V/3PH/60HZ
	EPT-8	12	96"	30"	87"	208V/3PH/60HZ

EPT-SERIES (THREE TIER)

STANDARD FEATURES

- Air-cooled condenser, designed to meet jobsite ambient conditions.
- U.L. listed refrigeration package with main fused disconnect.
- Weather proof enclosure with powder coat finish.
- Suction and discharge valves on all compressors.
- Condensing unit with pre-assembled liquid line drier and sight glass, suction line vibration eliminator for semi-hermetic units, crankcase heater, pressure control, contactors, breakers, 24 hour timer for medium temp units (for cooler defrost application) defrost timer for freezer's electric defrost applications. Fusible disconnect and electrical control panel for single point connection. Weather housing with removable louvered panel on both sides. All are pre-piped and pre-wired, electrically tested and started.

OPTIONS

- Additional four (4) year compressor warranty.
- Prison packages.
- Factory start-up trips.
- 480V/3PH operation.
- 50 cycle for export projects.
- Stainless steel weather housing.

COOLTEC REFRIGERATION CORP.

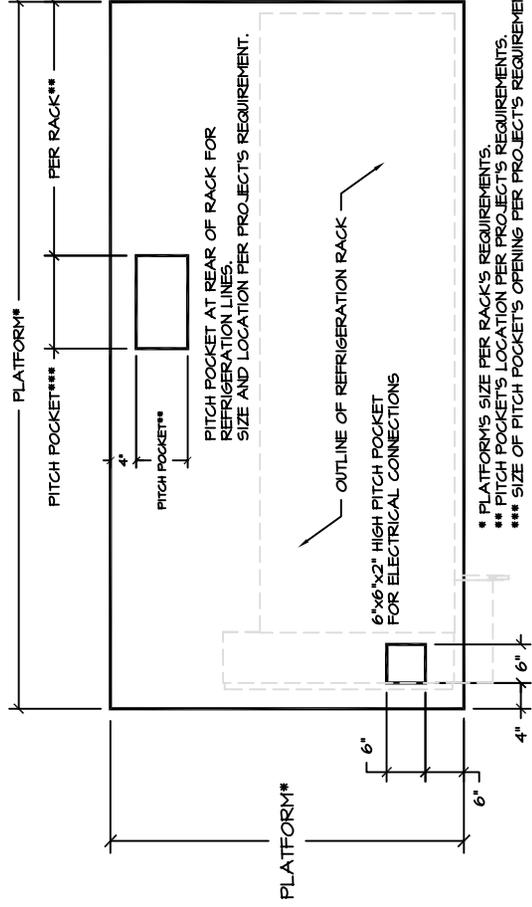
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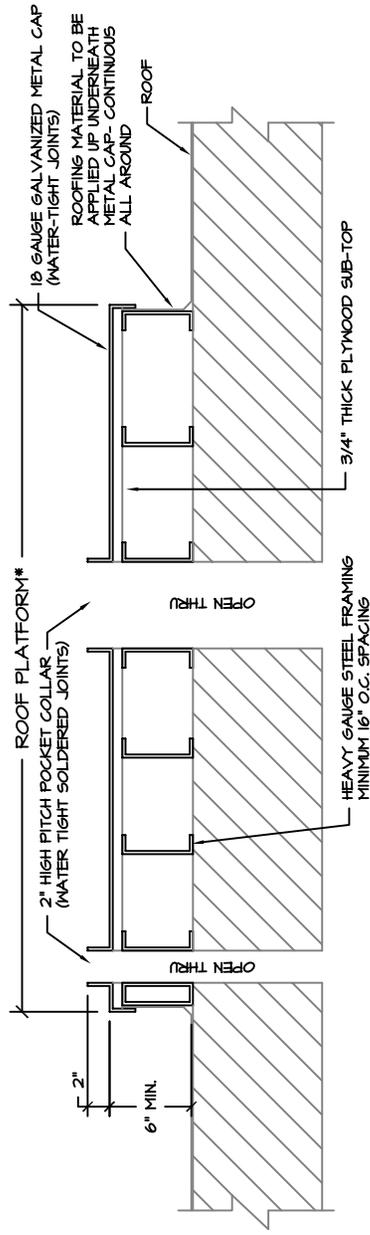
sales@cooltecrefrigeration.com

www.cooltecrefrigeration.com



* PLATFORM'S SIZE PER RACK'S REQUIREMENTS
 ** PITCH POCKET'S LOCATION PER PROJECT'S REQUIREMENTS
 *** SIZE OF PITCH POCKET'S OPENING PER PROJECT'S REQUIREMENTS.

PLAN VIEW OF OUTDOOR PLATFORM BY GENERAL CONTRACTOR



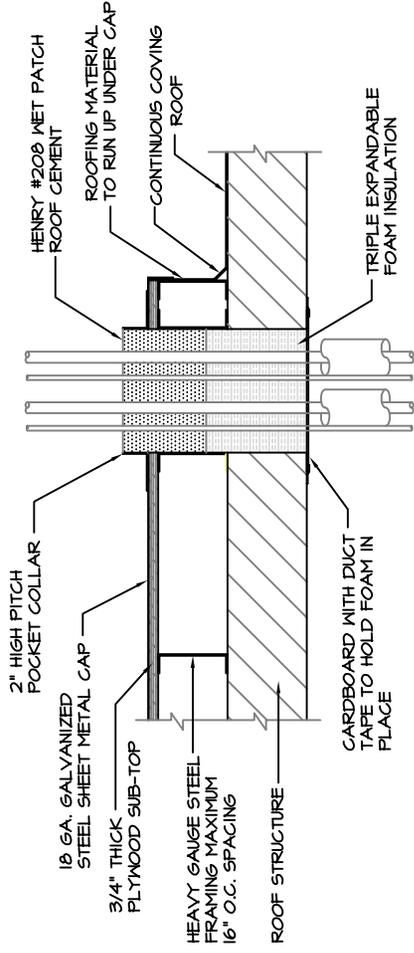
ELEVATION - SECTION VIEW

INSTRUCTIONS FOR GENERAL CONTRACTOR

- A. GENERAL CONTRACTOR TO PROVIDE A LEVELED ROOF PLATFORM AT CODE HEIGHT AND REQUIREMENTS.
- B. PROVIDE WATER-TIGHT SHEET METAL CAP WITH MINIMUM 2" HIGH PITCH POCKET COLLARS.

INSTRUCTIONS FOR REFRIGERATION CONTRACTOR

- A. TAPE CARDBOARD AT THE BOTTOM OF EACH PITCH POCKET OPENING AS SHOWN.
- B. PROVIDE TRIPLE EXPANDABLE FOAM INSULATION (LOW CHEMICAL "GREAT STUFF INSULATION") AND LET FOAM CURE FOR ONE HOUR.
- C. APPLY HENRY #208 WET PATCH ROOF CEMENT IN BETWEEN REFRIGERATION PIPING, ELECTRICAL LINES, AND FOAM. LET CURE FOR FOUR HOURS. THIS SHOULD SEAL ALL PIPING AND LINES IN THE PITCH POCKET. TO PREVENT RAIN WATER FROM PENETRATING THROUGH.



"ECONO-PAK" MULTI-COMPRESSOR RACK WITH AIR COOLED CONDENSING UNITS

ITEM NO. _____ OUTDOOR AIR COOLED REFRIGERATION PACKAGE

The refrigeration package shall be pre-engineered and factory assembled unit, trade name "ECONO-PAK", as manufactured by **COOLTEC REFRIGERATION CORP.**, 1250 E. Franklin Ave. Unit B, Pomona, ca 91766. phone: (909) 865-2229, fax: (909) 868-0777. e-mail address: sales@cooltecrefrigeration.com

Contractor shall furnish and install, where shown on plans, (1) **COOLTEC** U.L. approved "**ECONO-PAK**" air cooled remote refrigeration package, model _____, with control panel, _____ Volts, _____ Phase, _____ Hertz.

1. CONSTRUCTION

Refrigeration system shall be housed in a weather protected enclosure with removable louvers on both sides. The frame shall be made of structural steel, enclosure, and panels shall be fabricated of sheet steel. The entire unit shall be pre-assembled, welded, cleaned, and primed and powder coated epoxy enamel and baked. The entire structure shall be protected against rust and corrosion.

2. REFRIGERATION UNITS

- A. Single stage compressors with air-cooled condenser, operating within the recommended range of suction and discharge pressure of economical operation and with required capacity, are to be furnished and installed inside the refrigeration package in accordance with the refrigeration schedule.
- B. All compressor units shall be new factory assembled to operate with the refrigerant specified in the engineering summary sheet. Refrigerant R-404a shall be used on all commercial temperature units and low temperature unit
- C. All units shall be equipped with high-low pressure control switches having adjustable range and differential. The high pressure cut-out shall be of automatic reset type.
- D. All units shall be equipped with head pressure controls and crankcase heaters for low ambient conditions. All piping shall be pressure tested with nitrogen at 300 PSI. After the condensing unit and coil has been connected, the balance of the system shall be leak tested with all valves open.

3. PRE-PIPING

- A. All refrigerant lines shall be extended to one side of the package in a neat and orderly manner. Suction lines must be insulated with armaflex (1" thick for low temp, 3/4" thick for medium temp).
- B. All tubing shall be securely supported and anchored with clamps.
- C. Silver solder and/or sil-fos shall be used for all refrigerant piping. Soft solder is not acceptable.
- D. All piping to be pressure tested with nitrogen at 300 PSI. After the condensing unit and coil have been connected the balance of the system shall be leaked tested with all valves opened.

4. CONTROL PANEL

- A. The refrigeration package shall contain a factory mounted and pre-wired control panel with main fused disconnect. Compressor circuit breakers, contactors, and time clocks wired for single point connection. Complete with wire harness, wiring for control, defrost clocks and refrigerant fixtures; all in accordance with the wiring diagram and local codes.
- B. Electrical contractor shall provide and install main power lines to panel, and provide wire harness wiring for control and defrost heater between the defrost clock and the refrigeration fixtures, all in accordance with the wiring diagram and per local codes.

5. SAFETY CAUTION

Each system and evaporator is shipped under nitrogen pressure. Use caution and exercise safety at all times when preparing for final hook-up.

6. EVAPORATIVE COIL

- A. Evaporative coils shall be direct expansion type, fabricated of copper tubes with aluminum fins. All evaporative coils shall be provided with solenoid valve, thermostatic expansion valve, and electronic thermostat, piped and wired to the junction box for positive pump down.
- B. Evaporative coils shall be equipped with energy saving "EC" motors.

CONSTRUCTION NOTES FOR TRADES

1. GENERAL CONTRACTOR

- A.** Contractors shall verify all dimensions and coordinate with other trades and co-ordinate location of refrigeration rack with refrigeration contractor to satisfy local code requirements and maintenance of the rack.
- B.** General contractor to verify refrigeration line runs thru to roof or multi-story building prior to construction with refrigeration contractor for accessibility.
- C.** General contractor shall prepare and weather proof the platform and curbed openings for refrigeration piping and electrical conduit. Roof pad to be constructed of heavy duty steel framing, and the finished height dictated per local codes. Provide sheet metal cap with 2" high pitch pocket collar and water tight soldered joints.
- D.** All core drilling required for remote refrigeration piping work by the refrigeration contractor, is in the general contractor's scoop of work. Coordinate exact location and number of penetrations with the refrigeration contractor and comply with all landlord requirements for x-ray of slab prior to work.
- E.** General contractor to backfill all pitch pockets to top with tar or pitch after refrigeration and electrical lines have been run.

2. REFRIGERATION CONTRACTOR

- A.** All copper tubing to be refrigerant grade A.C.R. or TYPE "L".
- B.** Silver solder and/or sil-fos shall be used on all refrigerant piping. Soft solder is NOT acceptable.
- C.** All piping to be pressure tested with nitrogen at 300 PSI. After the condensing unit and coil have been connected, the balance of the system shall be leak tested with all valves open.
- D.** The complete system shall be evacuated with a vacuum pump.
- E.** Charge, test, and adjust each unit.
- F.** Refrigerant contractor to provide and install drain-line. Heater in freezer to be connected by electrical contractor.
- G.** Refrigerant suction lines outside of refrigerated compartments, which are not run in conduit, shall be insulated back to compressor with Armstrong Arma-Flex AP- 25/50 foam plastic insulation or equal in accordance with direction of the manufacturer. Minimum thickness shall be 3/4 inch for commercial temperature and 1 inch for low temperature.

3. ELECTRICAL CONTRACTOR

- A.** Electrical contractor shall provide power for refrigerant package, and connect control and defrost system as called for in the wiring diagram.
- B.** Electrical contractor to provide 4-wire color coded service from the time-clock at the refrigeration package to blower coil in fixture for automatic defrost.
- C.** Electrical contractor to connect drain-line heater in freezer.
- D.** All electrical wiring and installation shall be in accordance with the wiring diagram and local codes.

3. PLUMBING CONTRACTOR

- A.** Plumbing contractor to provide type "M" copper drain or walk-in refrigerator and freezer, pitched 1/4" per foot of run. In freezer, unheated drain line must be outside of insulation to prevent freezing. Trap drain line outside of refrigerated space to avoid entrance of warm and moist air.
- B.** Plumbing contractor to provide individual drain line for each evaporator, unless otherwise called for.
- C.** All plumbing installation shall be in accordance with local code.

REPRESENTED BY:

Since product improvement is a continuing effort with the engineers at COOLTEC Refrigeration Corp. we reserve the right to make changes in specifications without notice.
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