



Levitor II

AIR-COOLED CONDENSER
(Available for Fluid Cooler Applications)

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Products that provide lasting solutions.

Levitor II Air-Cooled Condenser

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Note

For all **Performance Data Tables**, capacity ratings are based on midpoint condensing temperature at 95°F entering air temperature and with 0°F sub-cooling. TEMPERATURE DIFFERENCE is midpoint condensing temperature to entering ambient air temperature.

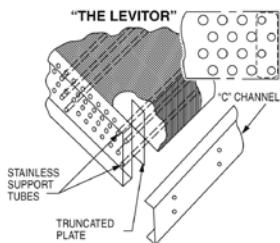
De-rate capacity data 10% for 50 hz applications with all motors except K (variable speed BPM motors and panel mounted drive) which have no reduction in capacity for the change in frequency.

See **Electrical Motor AMP Data Table** on page 13.

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Benefits and Features



Rooftop condensers have to operate in some of the toughest conditions imaginable. Temperature extremes result in constant expansion and contraction of refrigerant tubes as fans cycle and loads vary.

The consequences are costly: rapid tube wear results in leaks, system breakdown and loss of costly refrigerant.

The LEVITOR system addresses refrigerant coil wear and leaks due to vibration and thermal stress.

LEVITOR Coil Design Eliminates Refrigerant Tube Wear

Environmental concerns and spiraling cost of refrigerants have led to the development of direct drive remote air-cooled condensers with the LEVITOR coil support system. This innovative design uses dedicated stainless steel tubes and a unique coil support system to isolate refrigerant tubes from the unit. Coil support is transferred from the fins to the stainless tubes and truncated tube plates which ride freely in "C" channels. Tubes expand and contract without interference. The result, contact and friction wear are eliminated.

Quiet by Design

LEVITOR coil design does more than just eliminate tube wear. Sound reduction is an added benefit. Unlike traditional air-cooled condensers, fan and coil vibration are isolated from the cabinet, so it is not transmitted to the unit frame and building supports.

Vspeed Variable Speed Condenser Fan Solutions

- Krack's latest fan motor technology is now offered with a variable speed fan motor solution called Vspeed under the LAVK configuration that utilizes a Brushless Permanent Motor (BPM) and panel mounted electronic drive (per motor). The electronic drive will vary the fan speeds (1140 RPM at 0 volts / 0 RPM at 10 volts) to match the loads saving more energy versus single speed fans. Fan blade configurations, mounting, and capacities are equivalent to the standard 1140 RPM motor options.

Low Sound Quieter Fan

- The "swept-wing" blade design offers lower noise levels at the same fan speed. For example, the QUIETOR fan blade on a 575-rpm motor will be much quieter (8 dBA) than the old 575-rpm fan.
- Lower noise condensers can translate into savings for your customer by minimizing the need of costly noise barriers.
- Quieter fan not available on 24" models.

Computerized Circuiting

- Our computerized coil circuiting program is designed to minimize the condenser refrigerant charge and maximize sub-cooling. Every condenser will be custom circuited to precisely meet your application needs.

Modular Design

- Arranged for vertical or horizontal air discharge. Multi-fan sections compartmented to allow individual fan cycling while preventing off-fan "windmilling". Large clean-out access doors standard.

Corrosion Resistant

- All models employ mill galvanized steel fan sections and coil side baffles. Legs are heavy gauge mill galvanized steel.

Direct Driven Propeller Fans

- Quiet multi-bladed propeller fans provide uniform air distribution through the coil. Venturi fan orifices optimize efficiency.

High Efficiency Coil

- Copper tubes are mechanically expanded into corrugated full collared aluminum fins spaced 8, 10, or 12 per inch. Coils are helium leak and pressure tested with 400 psig dry air, shipped pressurized with dry nitrogen.
- Optional fin materials are copper or polyester coated aluminum.
- Optional electrofin or heresite coil coatings.
- Multi-circuiting available.

Fan Motors and Electrical Rating

- Outdoor condenser motors designed with ball bearings inherent overheat protection in each phase; shaft slingers; enclosure, hardware, and lubrication for all weather conditions. Each motor lead is wired to terminals in an electrical enclosure.
- Inverter duty motors are standard for 230/3,460/3 and some 575/3 (F=1140-rpm and A=850-rpm 1 HP) condensers.
- Variable speed motors are available for 230/3 and 460/3 (K=1140 RPM 1.5 hp) condensers.
- Default AIC rating is 10,000 amps (10kA) with rating up to 100kA available with selection of fused disconnect and standard fuses for fan motors.

Versatile Fan Cycling Control Methods

- Temperature fan cycling
- Pressure fan cycling
- Temperature and pressure fan cycling
- Electronic relay boards
- Variable speed header end fans
- Energy-saving variable speed options for all fans



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System Selection

THR Total Heat of Rejection

- Condenser total heat of rejection (BTU/h) is the sum of the evaporator refrigeration effect and the heat of compression which varies with compressor type and operating conditions.

THR Calculation Method

- THR = Open Reciprocating Compressor Capacity (BTU/h) + (2545 x BHP)
- THR = Suction Gas Cooled Hermetic Reciprocating Compressor Capacity (BTU/h) + (3413 x kW)

THR Estimated Method

- THR may be estimated by multiplying the rated compressor BTU/h capacity by the compressor operating condition factor shown in Table 1 or 2. Multiply result by altitude factor when applicable.

TABLE 2

EVAPORATOR TEMP (°F)	OPEN COMPRESSOR					
	CONDENSING TEMPERATURE (°F)					
	90	100	110	120	130	140
-30	1.37	1.42	1.47	*	*	*
-20	1.33	1.37	1.42	1.47	*	*
-10	1.28	1.32	1.37	1.42	1.47	*
0	1.24	1.28	1.32	1.37	1.41	1.47
10	1.21	1.24	1.28	1.32	1.36	1.42
20	1.17	1.20	1.24	1.28	1.32	1.37
30	1.14	1.17	1.20	1.24	1.27	1.32
40	1.12	1.15	1.17	1.20	1.23	1.28
50	1.09	1.12	1.14	1.17	1.20	1.24

* Beyond the normal limits for single-stage compressor application.

TABLE 1

EVAPORATOR TEMP (°F)	HERMETIC COMPRESSOR					
	CONDENSING TEMPERATURE (°F)					
	90	100	110	120	130	140
-40	1.66	1.73	1.80	2.00	*	*
-30	1.57	1.62	1.68	1.80	*	*
-20	1.49	1.53	1.58	1.65	*	*
-10	1.42	1.46	1.50	1.57	1.64	*
0	1.36	1.40	1.44	1.50	1.56	1.62
5	1.33	1.37	1.41	1.46	1.52	1.59
10	1.31	1.34	1.38	1.43	1.49	1.55
15	1.28	1.32	1.35	1.40	1.46	1.52
20	1.26	1.29	1.33	1.37	1.43	1.49
25	1.24	1.27	1.31	1.35	1.40	1.45
30	1.22	1.25	1.28	1.32	1.37	1.42
40	1.18	1.21	1.24	1.27	1.31	1.35
50	1.14	1.17	1.20	1.23	1.26	1.29

* Beyond the normal limits for single-stage compressor application.

TABLE 3

ALTITUDE	
FEET	FACTOR
1,000	1.02
2,000	1.05
3,000	1.07
4,000	1.10
5,000	1.12
6,000	1.15
7,000	1.17
8,000	1.24

Multi-Circuit Selection

- Condenser coils may be divided into several individual refrigeration circuits or systems; each sized for a specific refrigerant, THR capacity and TD. Systems are tagged for identification from left to right; facing the connection end. Avoid 3 row condensers. 34 circuits are available on 30" fan models and 30 circuits on 24" fan models. Un-used circuits should be added to low TD sections next to high TD sections or the outboard sections of the condenser.

SAMPLE CALCULATION: 95°F AMBIENT-SUCTION COOLED SEMI-HERMETIC RECIPROCATING COMPRESSORS

COMP NOM HP	DESIGN TD REF	SAT SUCT COND °F	SAT COND °F	COMPRESSOR RATING			BASED ON R-404A AT 15°F TD			CAP PER CIRCUIT	# CIR	SYSTEM NUMBER L TO R	ACTUAL TD °F					
				NET BTU/h	MOTOR kW	TOTAL BTU/h	REF FACTOR	TD FACTOR	SELECT THR									
6	134a	15	+20	110	40090	4.3	14676	54,766	0.97	x	1.0	=	56460	13450	4.2	4	1	15.7
9	404A	10	-20	105	45900	8.1	27645	73,545	1.00	x	1.5	=	110318	13450	8.2	10	2	8.2
10	404A	10	-20	105	50640	9.6	32765	83,405	1.00	x	1.5	=	125108	13450	9.3	10	3	9.3
12	22	15	+20	110	104000	9.7	33106	137,106	1.02	x	1.0	=	134418	13450	10.0	10	4	15.0

Selection

- LAVA-14410 Rated at THR of 457.3 MBH with R-404A at 15°F TD. LAVA-14410 Unit lists 34 Circuits.
- Sample Calculation: THR Req'd./Circuit = 426304 ÷ 34 = 12538. LAVA-14410 = 457300 ÷ 34 = 13450 (Available THR/Circuit).
- Circuits Req'd. = Select THR ÷ THR/Circuit. Example: 56460 ÷ 13450 = 4.2 Circuits.
- Assign Number of Circuits System and System Number Left to Right. Actual TD = (Circuits Req'd ÷ Assign Circuits) x Design TD. Example: 4.2 ÷ 4 x 15 = 15.7.

UNIT THR REQ'D	426304	34
REF FACTOR R-404A Baseline	REF FACTOR R-407A Baseline	TD FACTOR
R-404A - 1.00	R-407A - 1.00	10°F - 1.50
R-22 - 1.02	R-407C - 0.98	15°F - 1.00
R-134a - 0.97	R-448A/R-449A - 1.00	20°F - 0.75
R-410A - 1.02		25°F - 0.60

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Levitor Application

Locate Condensers no closer than their width from wall or other condensers. Avoid locations near exhaust fans, plumbing vents, flues or chimneys. Reference the IOM for other considerations for locating condensers.

Parallel Condensers should be the same models resulting in the same refrigerant side pressure drops. Compressor discharge lines should have equal pressure drops to each condenser.

Summer Charge based on 25% of condenser volume with 90°F liquid. Multiply by 1.1 for R-407A.

Winter Charge based on 90% of condenser volume with -20°F liquid. Multiply by 1.08 for R-407A.

Receiver Capacity should be sized to store condenser summer charge, plus the condenser low ambient allowance, plus the evaporator charge, plus an allowance for piping and heat reclaim coil charges.

Compressor Discharge lines should be sized to minimize pressure drops and maintain oil return gas velocities. Each connection should be looped to the top of the condenser.

Gravity Liquid Drain Lines should drop from each outlet as low as possible before headering or running horizontally. Pitch downhill to receiver.

Off-Line Coil Sections will have refrigerant pressures corresponding to the ambient. Check valves or isolating valves should be installed in the liquid line drains to prevent refrigerant migration and receiver pressure loss.

See Installation and Operating instructions for piping, holdback and fan cycling details.

Note

For all **Performance Data Tables**, capacity ratings are based on midpoint condensing temperature at 95°F entering air temperature and with 0°F sub-cooling. TEMPERATURE DIFFERENCE is midpoint condensing temperature to entering ambient air temperature.

De-rate capacity data 10% for 50 hz applications with all motors except K (variable speed BPM motors and panel mounted drive) which have no reduction in capacity for the change in frequency.

See **Electrical Motor AMP Data Table** on page 13.

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Model Key

L	A	V	A	1	2	4	10	M
UNIT TYPE:								
L = Levitor Condenser								
TUBE DIAMETER:								
A = 3/8								
E = 1/2								
FAN DISCHARGE DIRECTIONS:								
H = Horizontal								
V = Vertical								
X = Hinged Vertical								
E = Hinged Horizontal								
FAN / MOTOR COMBINATION:								
A = 850 RPM, 1 HP, 30"								
B = 1140 RPM, 0.5 HP, 24"								
C = 850 RPM, 1.5 HP, 30"								
E = 575 RPM, 0.5 HP, 30"								
F = 1140 RPM, 1.5 HP, 30"								
K = 1140 RPM, 1.5 HP, 30"*								
FANS WIDE:	1, 2							
VOLTAGE:								
A = 230/1/60**								
K = 208-230/3/60								
M = 460/3/60								
P = 575/3/60								
U = 380/3/50								
FIN SPACING:								
08 = 8 FPI								
10 = 10 FPI								
12 = 12 FPI								
ROWS DEEP:								
2								
3								
4								
FANS IN LINE:								
1								
2								
3								
4								
5								
6								
7								

Note:

* K Vspeed Variable Speed BPM (brushless permanent magnet motors) and panel mounted electronic drive are 208-240/3/60, 380/3/50, 380/3/60, and 460/3/60.

** LAVB only

Correction Factors Table

REFRIGERANTS	MULTIPLY R-404A BY CAPACITY FACTOR	CHARGE CORRECTION FACTOR	
		SUMMER	WINTER
R-404A	1.00	1.00	1.00
R-134a	0.97	1.17	1.11
R-410A	1.02	1.02	1.03
R-22	1.02	1.14	1.09
R-407A	See R-407A Chart	1.10	1.08
R-407C	0.98 x R-407A	1.09	1.07
R-448A / R-449A	See R-448A / R-449A Chart	1.06	1.04

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LAVF/LAVK Performance Data (1.5 HP - 1140 RPM)

ONE FAN WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH)								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)				
	R-404A, R-507A				R-407A, R-448A / R-449A						SUMMER	WINTER						
	TEMPERATURE DIFFERENCE		TEMPERATURE DIFFERENCE															
10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F											
LAV()-11208	46.3	69.4	92.5	115.6	44.2	66.3	88.4	110.5	11649	No	4	17	72	437				
LAV()-11210	53.2	79.8	106.4	133.0	51.8	77.7	103.6	129.5	11541	No	4	17	72	439				
LAV()-11212	59.8	89.7	119.6	149.5	58.5	87.8	117.1	146.3	11430	No	4	17	72	444				
LAV()-11308	64.7	97.1	129.5	161.9	62.9	94.4	125.9	157.3	11323	No	6	25	72	466				
LAV()-11310	74.0	111.0	148.0	185.1	73.2	109.8	146.4	183.0	11147	No	6	25	72	469				
LAV()-11312	81.8	122.8	163.7	204.6	81.8	122.6	163.5	204.4	10969	No	6	25	72	478				
LAV()-11408	78.2	117.2	156.3	195.4	77.8	116.6	155.5	194.4	10974	No	8	33	72	495				
LAV()-11410	87.6	131.3	175.1	218.9	88.4	132.7	176.9	221.1	10730	Compliant	8	33	72	499				
LAV()-11412	95.1	142.6	190.2	237.7	97.2	145.7	194.3	242.9	10486	No	8	33	72	508				
LAV()-12208	92.5	138.8	185.0	231.3	88.4	132.5	176.7	220.9	23298	No	9	32	75	718				
LAV()-12210	106.4	159.6	212.8	266.0	103.6	155.4	207.1	258.9	23082	No	9	32	75	721				
LAV()-12212	119.6	179.4	239.2	299.0	117.1	175.6	234.1	292.7	22860	No	9	32	75	729				
LAV()-12308	129.5	194.2	259.0	323.7	125.9	188.8	251.7	314.6	22646	No	13	48	75	773				
LAV()-12310	148.0	222.1	296.1	370.1	146.4	219.6	292.8	366.0	22294	No	13	48	75	779				
LAV()-12312	163.7	245.5	327.3	409.2	163.5	245.3	327.0	408.8	21938	No	13	48	75	792				
LAV()-12408	156.3	234.5	312.6	390.8	155.5	233.3	311.0	388.8	21948	No	17	64	75	830				
LAV()-12410	175.1	262.7	350.3	437.8	176.9	265.3	353.8	442.2	21460	Compliant	17	64	75	838				
LAV()-12412	190.2	285.3	380.4	475.5	194.3	291.5	388.6	485.8	20972	No	17	64	75	855				
LAV()-13210	159.6	239.4	319.2	398.9	155.4	233.0	310.7	388.4	34623	No	13	48	77	1041				
LAV()-13212	179.4	269.1	358.8	448.5	175.6	263.4	351.2	439.0	34290	No	13	48	77	1060				
LAV()-13308	194.2	291.4	388.5	485.6	188.8	283.2	377.6	472.0	33969	No	18	72	77	1126				
LAV()-13310	222.1	333.1	444.1	555.2	219.6	329.4	439.2	549.0	33441	No	18	72	77	1135				
LAV()-13312	245.5	368.3	491.0	613.8	245.3	367.9	490.6	613.2	32907	No	18	72	77	1153				
LAV()-13408	234.5	351.7	468.9	586.2	233.3	349.9	466.6	583.2	32922	No	24	96	77	1210				
LAV()-13410	262.7	394.0	525.4	656.7	265.3	398.0	530.7	663.3	32190	Compliant	24	96	77	1223				
LAV()-13412	285.3	427.9	570.6	713.2	291.5	437.2	582.9	728.6	31458	No	24	96	77	1247				
LAV()-14308	259.0	388.5	518.0	647.5	251.7	377.6	503.4	629.3	45292	No	24	96	78	1437				
LAV()-14310	296.1	444.1	592.2	740.2	292.8	439.2	585.6	732.0	44588	No	24	96	78	1449				
LAV()-14312	327.3	491.0	654.7	818.4	327.0	490.6	654.1	817.6	43876	No	24	96	78	1474				
LAV()-14408	312.6	468.9	625.2	781.6	311.0	466.6	622.1	777.6	43896	No	32	127	78	1550				
LAV()-14410	350.3	525.4	700.5	875.6	353.8	530.7	707.6	884.4	42920	Compliant	32	127	78	1566				
LAV()-14412	380.4	570.6	760.7	950.9	388.6	582.9	777.2	971.5	41944	No	32	127	78	1599				
LAV()-15308	323.7	485.6	647.5	809.4	314.6	472.0	629.3	786.6	56615	No	32	119	79	2020				
LAV()-15310	370.1	555.2	740.2	925.3	366.0	549.0	732.0	915.0	55735	No	32	119	79	2035				
LAV()-15312	409.2	613.8	818.4	1023.0	408.8	613.2	817.6	1022.0	54845	No	32	119	79	2066				
LAV()-15408	390.8	586.2	781.6	977.0	388.8	583.2	777.6	972.0	54870	No	41	159	79	2160				
LAV()-15410	437.8	656.7	875.6	1094.6	442.2	663.3	884.4	1105.6	53650	Compliant	41	159	79	2181				
LAV()-15412	475.5	713.2	950.9	1188.7	485.8	728.6	971.5	1214.4	52430	No	41	159	79	2222				
LEV()-16308	388.5	582.7	777.0	971.2	377.6	566.4	755.1	943.9	67938	No	65	266	80	2554				
LEV()-16310	444.1	666.2	888.3	1110.3	439.2	658.8	878.4	1098.0	66882	No	65	266	80	2573				
LEV()-16312	491.0	736.5	982.0	1227.5	490.6	735.8	981.1	1226.4	65814	No	65	266	80	2610				
LEV()-16408	468.9	703.4	937.9	1172.3	466.6	699.8	933.1	1166.4	65844	No	84	354	80	2784				
LEV()-16410	525.4	788.1	1050.8	1313.5	530.7	796.0	1061.3	1326.7	64380	Compliant	84	354	80	2808				
LEV()-16412	570.6	855.8	1141.1	1426.4	582.9	874.4	1165.8	1457.3	62916	No	84	354	80	2858				
LEV()-17308	453.2	679.9	906.5	1133.1	440.5	660.7	881.0	1101.2	79261	Compliant	76	310	81	3020				
LEV()-17310	518.1	777.2	1036.3	1295.4	512.4	768.6	1024.8	1281.0	78029	Compliant	76	310	81	3042				
LEV()-17312	572.9	859.3	1145.7	1432.1	572.3	858.5	1144.6	1430.8	76783	No	76	310	81	3088				
LEV()-17408	547.1	820.6	1094.2	1367.7	544.3	816.5	1088.6	1360.8	76818	Compliant	98	413	81	3279				
LEV()-17410	612.9	919.4	1225.9	1532.4	619.1	928.7	1238.2	1547.8	75110	Compliant	98	413	81	3307				
LEV()-17412	665.6	998.5	1331.3	1664.1	680.1	1020.1	1360.1	1700.2	73402	No	98	413	81	3366				

See NOTES on 50 hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 btuh/watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional VFD and controller on fixed speed motors (F, A, C, E & B). Krack recommends the K motor option which has variable speed capability and need only a controller to provide the 0-10V control signal to meet the regulation.

Leviton II Air-Cooled Condenser

LAVF/LAVK Performance Data (1.5 HP - 1140 RPM)

MODEL	TWO FANS WIDE								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)				
	TOTAL HEAT OF REJECTION (MBH)				R-404A, R-507A						R-407A, R-448A / R-449A							
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE													
	10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F			SUMMER	WINTER						
LAV()-22208	185.0	277.5	370.0	462.5	176.7	265.1	353.4	441.8	46,596	No	18	64	78	1311				
LAV()-22210	212.8	319.2	425.5	531.9	207.1	310.7	414.3	517.9	46,164	No	18	64	78	1320				
LAV()-22212	239.2	358.8	478.4	598.0	234.1	351.2	468.3	585.4	45,720	No	18	64	78	1336				
LAV()-22308	259.0	388.5	518.0	647.5	251.7	377.6	503.4	629.3	45,292	No	26	96	78	1425				
LAV()-22310	296.1	444.1	592.2	740.2	292.8	439.2	585.6	732.0	44,588	No	26	96	78	1437				
LAV()-22312	327.3	491.0	654.7	818.4	327.0	490.6	654.1	817.6	43,876	No	26	96	78	1462				
LAV()-22408	312.6	468.9	625.2	781.6	311.0	466.6	622.1	777.6	43,896	No	34	128	78	1539				
LAV()-22410	350.3	525.4	700.5	875.6	353.8	530.7	707.6	884.4	42,920	Compliant	34	128	78	1555				
LAV()-22412	380.4	570.6	760.7	950.9	388.6	582.9	777.2	971.5	41,944	No	34	128	78	1588				
LAV()-23210	319.2	478.7	638.3	797.9	310.7	466.1	621.4	776.8	69,246	No	26	96	80	1875				
LAV()-23212	358.8	538.2	717.6	897.0	351.2	526.8	702.4	878.0	68,580	No	26	96	80	1912				
LAV()-23308	388.5	582.7	777.0	971.2	377.6	566.4	755.1	943.9	67,938	No	36	144	80	2044				
LAV()-23310	444.1	666.2	888.3	1110.3	439.2	658.8	878.4	1098.0	66,882	No	36	144	80	2063				
LAV()-23312	491.0	736.5	982.0	1227.5	490.6	735.8	981.1	1226.4	65,814	No	36	144	80	2100				
LAV()-23408	468.9	703.4	937.9	1172.3	466.6	699.8	933.1	1166.4	65,844	No	48	192	80	2214				
LAV()-23410	525.4	788.1	1050.8	1313.5	530.7	796.0	1061.3	1326.7	64,380	Compliant	48	192	80	2238				
LAV()-23412	570.6	855.8	1141.1	1426.4	582.9	874.4	1165.8	1457.3	62,916	No	48	192	80	2287				
LAV()-24308	518.0	777.0	1036.0	1295.0	503.4	755.1	1006.8	1258.6	90,584	No	48	192	81	2526				
LAV()-24310	592.2	888.3	1184.3	1480.4	585.6	878.4	1171.2	1464.0	89,176	No	48	192	81	2651				
LAV()-24312	654.7	982.0	1309.4	1636.7	654.1	981.1	1308.1	1635.2	87,752	No	48	192	81	2700				
LAV()-24408	625.2	937.9	1250.5	1563.1	622.1	933.1	1244.2	1555.2	87,792	No	64	254	81	2851				
LAV()-24410	700.5	1050.8	1401.0	1751.3	707.6	1061.3	1415.1	1768.9	85,840	Compliant	64	254	81	2884				
LAV()-24412	760.7	1141.1	1521.5	1901.8	777.2	1165.8	1554.4	1943.0	83,888	No	64	254	81	2950				
LAV()-25308	647.5	971.2	1295.0	1618.7	629.3	943.9	1258.6	1573.2	113,230	No	64	238	82	3725				
LAV()-25310	740.2	1110.3	1480.4	1850.5	732.0	1098.0	1464.0	1830.1	111,470	No	64	238	82	3755				
LAV()-25312	818.4	1227.5	1636.7	2045.9	817.6	1226.4	1635.2	2044.0	109,690	No	64	238	82	3817				
LAV()-25408	781.6	1172.3	1563.1	1953.9	777.6	1166.4	1555.2	1944.0	109,740	No	82	318	82	4005				
LAV()-25410	875.6	1313.5	1751.3	2189.1	884.4	1326.7	1768.9	2211.1	107,300	Compliant	82	318	82	4046				
LAV()-25412	950.9	1426.4	1901.8	2377.3	971.5	1457.3	1943.0	2428.8	104,860	No	82	318	82	4129				
LEV()-26308	777.0	1165.5	1554.0	1942.5	755.1	1132.7	1510.3	1887.8	135,876	No	130	532	83	4759				
LEV()-26310	888.3	1332.4	1776.5	2220.6	878.4	1317.6	1756.8	2196.1	133,764	No	130	532	83	4796				
LEV()-26312	982.0	1473.0	1964.1	2455.1	981.1	1471.7	1962.2	2452.8	131,628	No	130	532	83	4870				
LEV()-26408	937.9	1406.8	1875.7	2344.7	933.1	1399.7	1866.2	2332.8	131,688	No	168	708	83	5218				
LEV()-26410	1050.8	1576.2	2101.5	2626.9	1061.3	1592.0	2122.7	2653.3	128,760	Compliant	168	708	83	5268				
LEV()-26412	1141.1	1711.7	2282.2	2852.8	1165.8	1748.7	2331.6	2914.6	125,832	No	168	708	83	5366				
LEV()-27308	906.5	1359.7	1813.0	2266.2	881.0	1321.5	1762.0	2202.5	158522	Compliant	152	620	84	5691				
LEV()-27310	1036.3	1554.4	2072.6	2590.7	1024.8	1537.2	2049.7	2562.1	156058	Compliant	152	620	84	5734				
LEV()-27312	1145.7	1718.6	2291.4	2864.3	1144.6	1716.9	2289.3	2861.6	153566	No	152	620	84	5826				
LEV()-27408	1094.2	1641.3	2188.4	2735.5	1088.6	1633.0	2177.3	2721.6	153636	Compliant	196	826	84	6208				
LEV()-27410	1225.9	1838.8	2451.8	3064.7	1238.2	1857.3	2476.4	3095.5	150220	Compliant	196	826	84	6266				
LEV()-27412	1331.3	1996.9	2662.6	3328.2	1360.1	2040.2	2720.3	3400.3	146804	No	196	826	84	6382				

See NOTES on 50 hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 btuh/watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional VFD and controller on fixed speed motors (F, A, C, E & B). Krack recommends the K motor option which has variable speed capability and need only a controller to provide the 0-10V control signal to meet the regulation.

Leviton II Air-Cooled Condenser

LAVE Performance Data (0.5 HP - 575 RPM)

ONE FAN WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH)								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)								
	R-404A, R-507A				R-407A, R-448A / R-449A						SUMMER	WINTER										
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE																	
	10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F														
LAVE-11208	35.2	52.8	70.3	87.9	34.4	51.6	68.8	86.0	6480	Compliant	4	17	52	437								
LAVE-11210	41.3	61.9	82.5	103.1	40.5	60.7	81.0	101.2	6420	Compliant	4	17	52	439								
LAVE-11212	45.9	68.9	91.9	114.8	45.7	68.6	91.4	114.3	6360	No	4	17	52	444								
LAVE-11308	47.1	70.6	94.1	117.7	46.4	69.6	92.8	116.0	6300	Compliant	6	25	52	466								
LAVE-11310	53.0	79.4	105.9	132.4	53.0	79.5	106.0	132.5	6200	Compliant	6	25	52	469								
LAVE-11312	57.1	85.6	114.2	142.7	58.3	87.5	116.6	145.8	6100	No	6	25	52	478								
LAVE-11408	55.9	83.9	111.9	139.8	56.6	84.8	113.1	141.4	6105	Compliant	8	33	52	495								
LAVE-11410	61.1	91.7	122.2	152.8	63.5	95.3	127.1	158.8	5975	Compliant	8	33	52	499								
LAVE-11412	64.7	97.1	129.5	161.8	68.3	102.5	136.6	170.8	5835	No	8	33	52	508								
LAVE-12208	70.3	105.5	140.7	175.9	68.8	103.2	137.6	172.0	12960	Compliant	9	32	55	718								
LAVE-12210	82.5	123.8	165.0	206.3	81.0	121.5	162.0	202.5	12840	Compliant	9	32	55	721								
LAVE-12212	91.9	137.8	183.7	229.6	91.4	137.1	182.9	228.6	12720	No	9	32	55	729								
LAVE-12308	94.1	141.2	188.3	235.4	92.8	139.2	185.6	232.1	12600	Compliant	13	48	55	773								
LAVE-12310	105.9	158.9	211.8	264.8	106.0	159.0	212.1	265.1	12400	Compliant	13	48	55	779								
LAVE-12312	114.2	171.2	228.3	285.4	116.6	175.0	233.3	291.6	12200	No	13	48	55	792								
LAVE-12408	111.9	167.8	223.8	279.7	113.1	169.7	226.3	282.8	12210	Compliant	17	64	55	830								
LAVE-12410	122.2	183.3	244.5	305.6	127.1	190.6	254.1	317.6	11950	Compliant	17	64	55	838								
LAVE-12412	129.5	194.2	258.9	323.7	136.6	205.0	273.3	341.6	11670	No	17	64	55	855								
LAVE-13210	123.8	185.6	247.5	309.4	121.5	182.2	242.9	303.7	19260	Compliant	13	48	57	1041								
LAVE-13212	137.8	206.7	275.6	344.5	137.1	205.7	274.3	342.9	19080	No	13	48	57	1060								
LAVE-13308	141.2	211.8	282.4	353.0	139.2	208.8	278.5	348.1	18900	Compliant	18	72	57	1126								
LAVE-13310	158.9	238.3	317.8	397.2	159.0	238.6	318.1	397.6	18600	Compliant	18	72	57	1135								
LAVE-13312	171.2	256.9	342.5	428.1	175.0	262.4	349.9	437.4	18300	No	18	72	57	1153								
LAVE-13408	167.8	251.7	335.6	419.5	169.7	254.5	339.4	424.2	18315	Compliant	24	96	57	1210								
LAVE-13410	183.3	275.0	366.7	458.4	190.6	285.9	381.2	476.4	17925	Compliant	24	96	57	1223								
LAVE-13412	194.2	291.3	388.4	485.5	205.0	307.4	409.9	512.4	17505	No	24	96	57	1247								
LAVE-14308	188.3	282.4	376.6	470.7	185.6	278.5	371.3	464.1	25200	Compliant	24	96	58	1437								
LAVE-14310	211.8	317.8	423.7	529.6	212.1	318.1	424.1	530.1	24800	Compliant	24	96	58	1449								
LAVE-14312	228.3	342.5	456.6	570.8	233.3	349.9	466.6	583.2	24400	No	24	96	58	1474								
LAVE-14408	223.8	335.6	447.5	559.4	226.3	339.4	452.5	565.7	24420	Compliant	32	127	58	1550								
LAVE-14410	244.5	366.7	488.9	611.1	254.1	381.2	508.2	635.3	23900	Compliant	32	127	58	1566								
LAVE-14412	258.9	388.4	517.9	647.3	273.3	409.9	546.6	683.2	23340	No	32	127	58	1599								
LAVE-15308	235.4	353.0	470.7	588.4	232.1	348.1	464.1	580.1	31500	Compliant	32	119	59	2020								
LAVE-15310	264.8	397.2	529.6	662.0	265.1	397.6	530.1	662.7	31000	Compliant	32	119	59	2035								
LAVE-15312	285.4	428.1	570.8	713.5	291.6	437.4	583.2	729.0	30500	No	32	119	59	2066								
LAVE-15408	279.7	419.5	559.4	699.2	282.8	424.2	565.7	707.1	30525	Compliant	41	159	59	2160								
LAVE-15410	305.6	458.4	611.1	763.9	317.6	476.4	635.3	794.1	29875	Compliant	41	159	59	2181								
LAVE-15412	323.7	485.5	647.3	809.2	341.6	512.4	683.2	854.0	29175	No	41	159	59	2222								
LEVE-16308	282.4	423.6	564.9	706.1	278.5	417.7	556.9	696.2	37800	Compliant	65	266	60	2554								
LEVE-16310	317.8	476.7	635.5	794.4	318.1	477.1	636.2	795.2	37200	Compliant	65	266	60	2573								
LEVE-16312	342.5	513.7	684.9	856.2	349.9	524.9	699.9	874.8	36600	No	65	266	60	2610								
LEVE-16408	335.6	503.5	671.3	839.1	339.4	509.1	678.8	848.5	36630	Compliant	84	354	60	2784								
LEVE-16410	366.7	550.0	733.4	916.7	381.2	571.7	762.3	952.9	35850	Compliant	84	354	60	2808								
LEVE-16412	388.4	582.6	776.8	971.0	409.9	614.9	819.8	1024.8	35010	No	84	354	60	2858								
LEVE-17308	329.5	494.2	659.0	823.7	324.9	487.3	649.8	812.2	44100	Compliant	76	310	61	3020								
LEVE-17310	370.7	556.1	741.5	926.8	371.1	556.6	742.2	927.7	43400	Compliant	76	310	61	3042								
LEVE-17312	399.6	599.3	799.1	998.9	408.2	612.4	816.5	1020.6	42700	No	76	310	61	3088								
LEVE-17408	391.6	587.4	783.1	978.9	396.0	593.9	791.9	989.9	42735	Compliant	98	413	61	3279								
LEVE-17410	427.8	641.7	855.6	1069.5	444.7	667.0	889.4	1111.7	41825	Compliant	98	413	61	3307								
LEVE-17412	453.1	679.7	906.2	1132.8	478.2	717.4	956.5	1195.6	40845	No	98	413	61	3366								

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Leviton II Air-Cooled Condenser

LAVE Performance Data (0.5 HP - 575 RPM)

MODEL	TWO FANS WIDE																
	TOTAL HEAT OF REJECTION (MBH)								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)			
	R-404A, R-507A				R-407A, R-448A / R-449A						SUMMER	WINTER					
	TEMPERATURE DIFFERENCE		TEMPERATURE DIFFERENCE														
10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F	SUMMER			WINTER						
LAVE-22208	140.7	211.0	281.4	351.7	137.6	206.4	275.2	344.0	25920	Compliant	18	64	58	1311			
LAVE-22210	165.0	247.5	330.0	412.5	162.0	242.9	323.9	404.9	25680	Compliant	18	64	58	1320			
LAVE-22212	183.7	275.6	367.4	459.3	182.9	274.3	365.7	457.2	25440	No	18	64	58	1336			
LAVE-22308	188.3	282.4	376.6	470.7	185.6	278.5	371.3	464.1	25200	Compliant	26	96	58	1425			
LAVE-22310	211.8	317.8	423.7	529.6	212.1	318.1	424.1	530.1	24800	Compliant	26	96	58	1437			
LAVE-22312	228.3	342.5	456.6	570.8	233.3	349.9	466.6	583.2	24400	No	26	96	58	1462			
LAVE-22408	223.8	335.6	447.5	559.4	226.3	339.4	452.5	565.7	24420	Compliant	34	128	58	1539			
LAVE-22410	244.5	366.7	488.9	611.1	254.1	381.2	508.2	635.3	23900	Compliant	34	128	58	1555			
LAVE-22412	258.9	388.4	517.9	647.3	273.3	409.9	546.6	683.2	23340	No	34	128	58	1588			
LAVE-23210	247.5	371.3	495.0	618.8	242.9	364.4	485.9	607.4	38520	Compliant	26	96	60	1875			
LAVE-23212	275.6	413.4	551.1	688.9	274.3	411.4	548.6	685.7	38160	No	26	96	60	1912			
LAVE-23308	282.4	423.6	564.9	706.1	278.5	417.7	556.9	696.2	37800	Compliant	36	144	60	2044			
LAVE-23310	317.8	476.7	635.5	794.4	318.1	477.1	636.2	795.2	37200	Compliant	36	144	60	2063			
LAVE-23312	342.5	513.7	684.9	856.2	349.9	524.9	699.9	874.8	36600	No	36	144	60	2100			
LAVE-23408	335.6	503.5	671.3	839.1	339.4	509.1	678.8	848.5	36630	Compliant	48	192	60	2214			
LAVE-23410	366.7	550.0	733.4	916.7	381.2	571.7	762.3	952.9	35850	Compliant	48	192	60	2238			
LAVE-23412	388.4	582.6	776.8	971.0	409.9	614.9	819.8	1024.8	35010	No	48	192	60	2287			
LAVE-24308	376.6	564.9	753.1	941.4	371.3	556.9	742.6	928.2	50400	Compliant	48	192	61	2526			
LAVE-24310	423.7	635.5	847.4	1059.2	424.1	636.2	848.2	1060.3	49600	Compliant	48	192	61	2651			
LAVE-24312	456.6	684.9	913.3	1141.6	466.6	699.9	933.1	1166.4	48800	No	48	192	61	2700			
LAVE-24408	447.5	671.3	895.0	1118.8	452.5	678.8	905.1	1131.3	48840	Compliant	64	254	61	2851			
LAVE-24410	488.9	733.4	977.8	1222.3	508.2	762.3	1016.4	1270.5	47800	Compliant	64	254	61	2884			
LAVE-24412	517.9	776.8	1035.7	1294.6	546.6	819.8	1093.1	1366.4	46680	No	64	254	61	2950			
LAVE-25308	470.7	706.1	941.4	1176.8	464.1	696.2	928.2	1160.3	63000	Compliant	64	238	62	3725			
LAVE-25310	529.6	794.4	1059.2	1324.1	530.1	795.2	1060.3	1325.4	62000	Compliant	64	238	62	3755			
LAVE-25312	570.8	856.2	1141.6	1427.0	583.2	874.8	1166.4	1458.0	61000	No	64	238	62	3817			
LAVE-25408	559.4	839.1	1118.8	1398.5	565.7	848.5	1131.3	1414.2	61050	Compliant	82	318	62	4005			
LAVE-25410	611.1	916.7	1222.3	1527.9	635.3	952.9	1270.5	1588.2	59750	Compliant	82	318	62	4046			
LAVE-25412	647.3	971.0	1294.6	1618.3	683.2	1024.8	1366.4	1708.0	58350	No	82	318	62	4129			
LEVE-26308	564.9	847.3	1129.7	1412.1	556.9	835.4	1113.9	1392.3	75600	Compliant	130	532	63	4759			
LEVE-26310	635.5	953.3	1271.1	1588.9	636.2	954.3	1272.3	1590.4	74400	Compliant	130	532	63	4796			
LEVE-26312	684.9	1027.4	1369.9	1712.4	699.9	1049.8	1399.7	1749.6	73200	No	130	532	63	4870			
LEVE-26408	671.3	1006.9	1342.5	1678.2	678.8	1018.2	1357.6	1697.0	73260	Compliant	168	708	63	5218			
LEVE-26410	733.4	1100.1	1466.7	1833.4	762.3	1143.5	1524.6	1905.8	71700	Compliant	168	708	63	5268			
LEVE-26412	776.8	1165.2	1553.6	1942.0	819.8	1229.8	1639.7	2049.6	70020	No	168	708	63	5366			
LEVE-27308	659.0	988.5	1318.0	1647.5	649.8	974.6	1299.5	1624.4	88200	Compliant	152	620	64	5691			
LEVE-27310	741.5	1112.2	1482.9	1853.7	742.2	1113.3	1484.4	1855.5	86800	Compliant	152	620	64	5734			
LEVE-27312	799.1	1198.7	1598.2	1997.8	816.5	1224.7	1633.0	2041.2	85400	No	152	620	64	5826			
LEVE-27408	783.1	1174.7	1566.3	1957.9	791.9	1187.9	1583.8	1979.8	85470	Compliant	196	826	64	6208			
LEVE-27410	855.6	1283.4	1711.2	2139.0	889.4	1334.0	1778.7	2223.4	83650	Compliant	196	826	64	6266			
LEVE-27412	906.2	1359.4	1812.5	2265.6	956.5	1434.7	1913.0	2391.2	81690	No	196	826	64	6382			

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Levitor II Air-Cooled Condenser

LAVA Performance Data (1 HP - 850 RPM)

ONE FAN WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH)								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)				
	R-404A, R-507A				R-407A, R-448A / R-449A						SUMMER	WINTER						
	TEMPERATURE DIFFERENCE		TEMPERATURE DIFFERENCE															
10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F											
LAVA-11208	41.9	62.8	83.8	104.7	40.3	60.5	80.7	100.8	9260	No	4	17	63	437				
LAVA-11210	48.8	73.2	97.6	122.0	47.3	71.0	94.6	118.3	9151	No	4	17	63	439				
LAVA-11212	54.3	81.5	108.7	135.8	53.4	80.1	106.8	133.5	9040	No	4	17	63	444				
LAVA-11308	58.4	87.6	116.9	146.1	56.4	84.5	112.7	140.9	8933	No	6	25	63	466				
LAVA-11310	65.4	98.1	130.8	163.5	65.0	97.5	130.0	162.4	8760	Compliant	6	25	63	469				
LAVA-11312	71.9	107.9	143.9	179.8	72.3	108.5	144.6	180.8	8574	No	6	25	63	478				
LAVA-11408	69.6	104.5	139.3	174.1	68.8	103.1	137.5	171.9	8582	Compliant	8	33	63	495				
LAVA-11410	76.2	114.3	152.4	190.5	77.4	116.2	154.9	193.6	8314	Compliant	8	33	63	499				
LAVA-11412	81.2	121.7	162.3	202.9	83.8	125.8	167.7	209.6	8025	No	8	33	63	508				
LAVA-12208	83.8	125.6	167.5	209.4	80.7	121.0	161.3	201.7	18520	No	9	32	66	718				
LAVA-12210	97.6	146.4	195.1	243.9	94.6	141.9	189.2	236.5	18302	No	9	32	66	721				
LAVA-12212	108.7	163.0	217.3	271.7	106.8	160.2	213.7	267.1	18080	No	9	32	66	729				
LAVA-12308	116.9	175.3	233.7	292.2	112.7	169.1	225.5	281.8	17866	No	13	48	66	773				
LAVA-12310	130.8	196.2	261.6	327.0	130.0	194.9	259.9	324.9	17520	Compliant	13	48	66	779				
LAVA-12312	143.9	215.8	287.7	359.6	144.6	217.0	289.3	361.6	17148	No	13	48	66	792				
LAVA-12408	139.3	208.9	278.5	348.2	137.5	206.3	275.0	343.8	17164	Compliant	17	64	66	830				
LAVA-12410	152.4	228.7	304.9	381.1	154.9	232.3	309.8	387.2	16628	Compliant	17	64	66	838				
LAVA-12412	162.3	243.5	324.6	405.8	167.7	251.5	335.3	419.2	16050	No	17	64	66	855				
LAVA-13210	146.4	219.5	292.7	365.9	141.9	212.9	283.8	354.8	27453	No	13	48	68	1041				
LAVA-13212	163.0	244.5	326.0	407.5	160.2	240.4	320.5	400.6	27120	No	13	48	68	1060				
LAVA-13308	175.3	262.9	350.6	438.2	169.1	253.6	338.2	422.7	26799	No	18	72	68	1126				
LAVA-13310	196.2	294.3	392.4	490.5	194.9	292.4	389.9	487.3	26280	Compliant	18	72	68	1135				
LAVA-13312	215.8	323.7	431.6	539.4	217.0	325.5	433.9	542.4	25722	No	18	72	68	1153				
LAVA-13408	208.9	313.4	417.8	522.3	206.3	309.4	412.5	515.6	25746	Compliant	24	96	68	1210				
LAVA-13410	228.7	343.0	457.3	571.6	232.3	348.5	464.6	580.8	24942	Compliant	24	96	68	1223				
LAVA-13412	243.5	365.2	486.9	608.7	251.5	377.3	503.0	628.8	24075	No	24	96	68	1247				
LAVA-14308	233.7	350.6	467.4	584.3	225.5	338.2	450.9	563.7	35732	No	24	96	69	1437				
LAVA-14310	261.6	392.4	523.2	654.0	259.9	389.9	519.8	649.8	35040	Compliant	24	96	69	1449				
LAVA-14312	287.7	431.6	575.4	719.3	289.3	433.9	578.6	723.2	34296	No	24	96	69	1474				
LAVA-14408	278.5	417.8	557.1	696.3	275.0	412.5	550.0	687.5	34328	Compliant	32	127	69	1550				
LAVA-14410	304.9	457.3	609.7	762.2	309.8	464.6	619.5	774.4	33256	Compliant	32	127	69	1566				
LAVA-14412	324.6	486.9	649.2	811.6	335.3	503.0	670.7	838.4	32100	No	32	127	69	1599				
LAVA-15308	292.2	438.2	584.3	730.4	281.8	422.7	563.7	704.6	44665	No	32	119	70	2020				
LAVA-15310	327.0	490.5	654.0	817.5	324.9	487.3	649.8	812.2	43800	Compliant	32	119	70	2035				
LAVA-15312	359.6	539.4	719.3	899.1	361.6	542.4	723.2	904.1	42870	No	32	119	70	2066				
LAVA-15408	348.2	522.3	696.3	870.4	343.8	515.6	687.5	859.4	42910	Compliant	41	159	70	2160				
LAVA-15410	381.1	571.6	762.2	952.7	387.2	580.8	774.4	968.0	41570	Compliant	41	159	70	2181				
LAVA-15412	405.8	608.7	811.6	1014.5	419.2	628.8	838.4	1047.9	40125	No	41	159	70	2222				
LEVA-16308	350.6	525.9	701.2	876.5	338.2	507.3	676.4	845.5	53598	No	65	266	71	2554				
LEVA-16310	392.4	588.6	784.8	981.0	389.9	584.8	779.7	974.7	52560	Compliant	65	266	71	2573				
LEVA-16312	431.6	647.3	863.1	1078.9	433.9	650.9	867.9	1084.9	51444	No	65	266	71	2610				
LEVA-16408	417.8	626.7	835.6	1044.5	412.5	618.8	825.0	1031.3	51492	Compliant	84	354	71	2784				
LEVA-16410	457.3	686.0	914.6	1143.3	464.6	697.0	929.3	1161.6	49884	Compliant	84	354	71	2808				
LEVA-16412	486.9	730.4	973.9	1217.3	503.0	754.5	1006.0	1257.5	48150	No	84	354	71	2858				
LEVA-17308	409.0	613.5	818.0	1022.5	394.6	591.8	789.1	986.4	62531	Compliant	76	310	72	3020				
LEVA-17310	457.8	686.7	915.6	1144.5	454.8	682.3	909.7	1137.1	61320	Compliant	76	310	72	3042				
LEVA-17312	503.5	755.2	1007.0	1258.7	506.3	759.4	1012.5	1265.7	60018	No	76	310	72	3088				
LEVA-17408	487.4	731.2	974.9	1218.6	481.3	721.9	962.5	1203.2	60074	Compliant	98	413	72	3279				
LEVA-17410	533.5	800.3	1067.1	1333.8	542.1	813.1	1084.1	1355.2	58198	Compliant	98	413	72	3307				
LEVA-17412	568.1	852.1	1136.2	1420.2	586.8	880.3	1173.7	1467.1	56175	No	98	413	72	3366				

See NOTES on 50 hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 btuh/watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional VFD and controller on fixed speed motors (F, A, C, E & B). Krack recommends the K motor option which has variable speed capability and need only a controller to provide the 0-10V control signal to meet the regulation.

Leviton II Air-Cooled Condenser

LAVA Performance Data (1 HP - 850 RPM)

TWO FANS WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH)								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)				
	R-404A, R-507A				R-407A, R-448A / R-449A						SUMMER	WINTER						
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE													
10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F				SUMMER	WINTER						
LAVA-22208	167.5	251.3	335.0	418.8	161.3	242.0	322.7	403.4	37040	No	18	64	69	1311				
LAVA-22210	195.1	292.7	390.3	487.9	189.2	283.8	378.4	473.0	36604	No	18	64	69	1320				
LAVA-22212	217.3	326.0	434.6	543.3	213.7	320.5	427.3	534.1	36160	No	18	64	69	1336				
LAVA-22308	233.7	350.6	467.4	584.3	225.5	338.2	450.9	563.7	35732	No	26	96	69	1425				
LAVA-22310	261.6	392.4	523.2	654.0	259.9	389.9	519.8	649.8	35040	Compliant	26	96	69	1437				
LAVA-22312	287.7	431.6	575.4	719.3	289.3	433.9	578.6	723.2	34296	No	26	96	69	1462				
LAVA-22408	278.5	417.8	557.1	696.3	275.0	412.5	550.0	687.5	34328	Compliant	34	128	69	1539				
LAVA-22410	304.9	457.3	609.7	762.2	309.8	464.6	619.5	774.4	33256	Compliant	34	128	69	1555				
LAVA-22412	324.6	486.9	649.2	811.6	335.3	503.0	670.7	838.4	32100	No	34	128	69	1588				
LAVA-23210	292.7	439.1	585.4	731.8	283.8	425.7	567.6	709.5	54906	No	26	96	71	1875				
LAVA-23212	326.0	489.0	652.0	815.0	320.5	480.7	641.0	801.2	54240	No	26	96	71	1912				
LAVA-23308	350.6	525.9	701.2	876.5	338.2	507.3	676.4	845.5	53598	No	36	144	71	2044				
LAVA-23310	392.4	588.6	784.8	981.0	389.9	584.8	779.7	974.7	52560	Compliant	36	144	71	2063				
LAVA-23312	431.6	647.3	863.1	1078.9	433.9	650.9	867.9	1084.9	51444	No	36	144	71	2100				
LAVA-23408	417.8	626.7	835.6	1044.5	412.5	618.8	825.0	1031.3	51492	Compliant	48	192	71	2214				
LAVA-23410	457.3	686.0	914.6	1143.3	464.6	697.0	929.3	1161.6	49884	Compliant	48	192	71	2238				
LAVA-23412	486.9	730.4	973.9	1217.3	503.0	754.5	1006.0	1257.5	48150	No	48	192	71	2287				
LAVA-24308	467.4	701.2	934.9	1168.6	450.9	676.4	901.8	1127.3	71464	No	48	192	72	2526				
LAVA-24310	523.2	784.8	1046.4	1308.0	519.8	779.7	1039.6	1299.6	70080	Compliant	48	192	72	2651				
LAVA-24312	575.4	863.1	1150.8	1438.5	578.6	867.9	1157.2	1446.5	68592	No	48	192	72	2700				
LAVA-24408	557.1	835.6	1114.1	1392.7	550.0	825.0	1100.0	1375.0	68656	Compliant	64	254	72	2851				
LAVA-24410	609.7	914.6	1219.5	1524.4	619.5	929.3	1239.0	1548.8	66512	Compliant	64	254	72	2884				
LAVA-24412	649.2	973.9	1298.5	1623.1	670.7	1006.0	1341.4	1676.7	64200	No	64	254	72	2950				
LAVA-25308	584.3	876.5	1168.6	1460.8	563.7	845.5	1127.3	1409.1	89330	No	64	238	73	3725				
LAVA-25310	654.0	981.0	1308.0	1635.0	649.8	974.7	1299.6	1624.5	87600	Compliant	64	238	73	3755				
LAVA-25312	719.3	1078.9	1438.5	1798.2	723.2	1084.9	1446.5	1808.1	85740	No	64	238	73	3817				
LAVA-25408	696.3	1044.5	1392.7	1740.9	687.5	1031.3	1375.0	1718.8	85820	Compliant	82	318	73	4005				
LAVA-25410	762.2	1143.3	1524.4	1905.5	774.4	1161.6	1548.8	1936.0	83140	Compliant	82	318	73	4046				
LAVA-25412	811.6	1217.3	1623.1	2028.9	838.4	1257.5	1676.7	2095.9	80250	No	82	318	73	4129				
LEVA-26308	701.2	1051.7	1402.3	1752.9	676.4	1014.6	1352.8	1691.0	107196	No	130	532	74	4759				
LEVA-26310	784.8	1177.2	1569.6	1962.0	779.7	1169.6	1559.5	1949.3	105120	Compliant	130	532	74	4796				
LEVA-26312	863.1	1294.7	1726.2	2157.8	867.9	1301.8	1735.8	2169.7	102888	No	130	532	74	4870				
LEVA-26408	835.6	1253.4	1671.2	2089.0	825.0	1237.5	1650.0	2062.6	102984	Compliant	168	708	74	5218				
LEVA-26410	914.6	1371.9	1829.2	2286.5	929.3	1393.9	1858.5	2323.2	99768	Compliant	168	708	74	5268				
LEVA-26412	973.9	1460.8	1947.7	2434.7	1006.0	1509.0	2012.0	2515.1	96300	No	168	708	74	5366				
LEVA-27308	818.0	1227.0	1636.0	2045.1	789.1	1183.7	1578.2	1972.8	125062	Compliant	152	620	75	5691				
LEVA-27310	915.6	1373.4	1831.2	2289.0	909.7	1364.5	1819.4	2274.2	122640	Compliant	152	620	75	5734				
LEVA-27312	1007.0	1510.4	2013.9	2517.4	1012.5	1518.8	2025.1	2531.3	120036	No	152	620	75	5826				
LEVA-27408	974.9	1462.3	1949.8	2437.2	962.5	1443.8	1925.1	2406.3	120148	Compliant	196	826	75	6208				
LEVA-27410	1067.1	1600.6	2134.1	2667.6	1084.1	1626.2	2168.3	2710.4	116396	Compliant	196	826	75	6266				
LEVA-27412	1136.2	1704.3	2272.4	2840.5	1173.7	1760.5	2347.4	2934.2	112350	No	196	826	75	6382				

See NOTES on 50 hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 btuh/watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional VFD and controller on fixed speed motors (F, A, C, E & B). Krack recommends the K motor option which has variable speed capability and need only a controller to provide the 0-10V control signal to meet the regulation.

Levitor II Air-Cooled Condenser

LAVC Performance Data (1.5 HP - 850 RPM)

MODEL	ONE FAN WIDE																	
	TOTAL HEAT OF REJECTION (MBH)								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)				
	R-404A, R-507A				R-407A, R-448A / R-449A						CONDENSER CHARGE R-404A (LBS)							
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE						SUMMER	WINTER						
MODEL	10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F			SUMMER	WINTER						
LAVC-11208	44.6	66.9	89.2	111.5	43.2	64.9	86.5	108.1	10967	No	4	17	65	437				
LAVC-11210	51.8	77.7	103.6	129.5	50.4	75.6	100.8	126.0	10682	No	4	17	65	439				
LAVC-11212	57.6	86.5	115.3	144.1	56.7	85.0	113.3	141.7	10409	No	4	17	65	444				
LAVC-11308	61.5	92.3	123.1	153.8	59.9	89.9	119.9	149.9	10159	No	6	25	65	466				
LAVC-11310	69.1	103.6	138.2	172.7	68.8	103.2	137.6	172.0	9785	No	6	25	65	469				
LAVC-11312	75.8	113.7	151.6	189.6	75.9	113.9	151.8	189.8	9441	No	6	25	65	478				
LAVC-11408	72.1	108.1	144.1	180.1	72.3	108.5	144.6	180.8	9449	No	8	33	65	495				
LAVC-11410	80.0	120.0	160.1	200.1	80.8	121.3	161.7	202.1	9031	Compliant	8	33	65	499				
LAVC-11412	85.0	127.5	170.0	212.5	87.7	131.6	175.4	219.3	8660	No	8	33	65	508				
LAVC-12208	89.2	133.8	178.4	222.9	86.5	129.7	173.0	216.2	21934	No	9	32	68	718				
LAVC-12210	103.6	155.4	207.2	259.0	100.8	151.2	201.6	251.9	21364	No	9	32	68	721				
LAVC-12212	115.3	172.9	230.6	288.2	113.3	170.0	226.6	283.3	20818	No	9	32	68	729				
LAVC-12308	123.1	184.6	246.1	307.7	119.9	179.8	239.8	299.7	20318	No	13	48	68	773				
LAVC-12310	138.2	207.2	276.3	345.4	137.6	206.4	275.2	344.0	19570	No	13	48	68	779				
LAVC-12312	151.6	227.5	303.3	379.1	151.8	227.7	303.6	379.5	18882	No	13	48	68	792				
LAVC-12408	144.1	216.2	288.2	360.3	144.6	216.9	289.2	361.5	18898	No	17	64	68	830				
LAVC-12410	160.1	240.1	320.1	400.1	161.7	242.5	323.4	404.2	18062	Compliant	17	64	68	838				
LAVC-12412	170.0	255.0	340.0	425.0	175.4	263.1	350.9	438.6	17320	No	17	64	68	855				
LAVC-13210	155.4	233.1	310.8	388.5	151.2	226.8	302.3	377.9	32046	No	13	48	70	1041				
LAVC-13212	172.9	259.4	345.9	432.4	170.0	255.0	340.0	425.0	31227	No	13	48	70	1060				
LAVC-13308	184.6	276.9	369.2	461.5	179.8	269.7	359.7	449.6	30477	No	18	72	70	1126				
LAVC-13310	207.2	310.9	414.5	518.1	206.4	309.6	412.8	516.0	29355	No	18	72	70	1135				
LAVC-13312	227.5	341.2	454.9	568.7	227.7	341.6	455.4	569.3	28323	No	18	72	70	1153				
LAVC-13408	216.2	324.2	432.3	540.4	216.9	325.4	433.8	542.3	28347	No	24	96	70	1210				
LAVC-13410	240.1	360.1	480.2	600.2	242.5	363.8	485.0	606.3	27093	Compliant	24	96	70	1223				
LAVC-13412	255.0	382.5	510.0	637.5	263.1	394.7	526.3	657.9	25980	No	24	96	70	1247				
LAVC-14308	246.1	369.2	492.2	615.3	239.8	359.7	479.5	599.4	40636	No	24	96	71	1437				
LAVC-14310	276.3	414.5	552.6	690.8	275.2	412.8	550.4	688.0	39140	No	24	96	71	1449				
LAVC-14312	303.3	454.9	606.6	758.2	303.6	455.4	607.2	759.0	37764	No	24	96	71	1474				
LAVC-14408	288.2	432.3	576.4	720.5	289.2	433.8	578.5	723.1	37796	No	32	127	71	1550				
LAVC-14410	320.1	480.2	640.2	800.3	323.4	485.0	646.7	808.4	36124	Compliant	32	127	71	1566				
LAVC-14412	340.0	510.0	680.0	850.0	350.9	526.3	701.7	877.2	34640	No	32	127	71	1599				
LAVC-15308	307.7	461.5	615.3	769.1	299.7	449.6	599.4	749.3	50795	No	32	119	72	2020				
LAVC-15310	345.4	518.1	690.8	863.5	344.0	516.0	688.0	860.0	48925	No	32	119	72	2035				
LAVC-15312	379.1	568.7	758.2	947.8	379.5	569.3	759.0	948.8	47205	No	32	119	72	2066				
LAVC-15408	360.3	540.4	720.5	900.7	361.5	542.3	723.1	903.9	47245	No	41	159	72	2160				
LAVC-15410	400.1	600.2	800.3	1000.4	404.2	606.3	808.4	1010.5	45155	Compliant	41	159	72	2181				
LAVC-15412	425.0	637.5	850.0	1062.4	438.6	657.9	877.2	1096.5	43300	No	41	159	72	2222				
LEV C-16308	369.2	553.8	738.4	923.0	359.7	539.5	719.3	899.1	60954	No	65	266	73	2554				
LEV C-16310	414.5	621.7	828.9	1036.2	412.8	619.2	825.6	1032.0	58710	No	65	266	73	2573				
LEV C-16312	454.9	682.4	909.8	1137.3	455.4	683.1	910.8	1138.5	56646	No	65	266	73	2610				
LEV C-16408	432.3	648.5	864.6	1080.8	433.8	650.8	867.7	1084.6	56694	No	84	354	73	2784				
LEV C-16410	480.2	720.3	960.3	1200.4	485.0	727.6	970.1	1212.6	54186	Compliant	84	354	73	2808				
LEV C-16412	510.0	765.0	1019.9	1274.9	526.3	789.4	1052.6	1315.7	51960	No	84	354	73	2858				
LEV C-17308	430.7	646.1	861.4	1076.8	419.6	629.4	839.2	1049.0	71113	Compliant	76	310	74	3020				
LEV C-17310	483.5	725.3	967.1	1208.9	481.6	722.4	963.2	1203.9	68495	Compliant	76	310	74	3042				
LEV C-17312	530.7	796.1	1061.5	1326.9	531.3	797.0	1062.6	1328.3	66087	No	76	310	74	3088				
LEV C-17408	504.4	756.6	1008.8	1260.9	506.2	759.2	1012.3	1265.4	66143	Compliant	98	413	74	3279				
LEV C-17410	560.2	840.3	1120.4	1400.5	565.9	848.8	1131.8	1414.7	63217	Compliant	98	413	74	3307				
LEV C-17412	595.0	892.4	1189.9	1487.4	614.0	921.0	1228.0	1535.0	60620	No	98	413	74	3366				

See NOTES on 50 hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 btuh/watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional VFD and controller on fixed speed motors (F, A, C, E & B). Krack recommends the K motor option which has variable speed capability and need only a controller to provide the 0-10V control signal to meet the regulation.

Leviton II Air-Cooled Condenser

LAVC Performance Data (1.5 HP - 850 RPM)

MODEL	TWO FANS WIDE								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)				
	TOTAL HEAT OF REJECTION (MBH)				R-404A, R-507A						R-407A, R-448A / R-449A							
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE													
	10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F			SUMMER	WINTER						
LAVC-22208	178.4	267.5	356.7	445.9	173.0	259.5	346.0	432.5	43868	No	18	64	71	1311				
LAVC-22210	207.2	310.8	414.4	518.1	201.6	302.3	403.1	503.9	42728	No	18	64	71	1320				
LAVC-22212	230.6	345.9	461.2	576.5	226.6	340.0	453.3	566.6	41636	No	18	64	71	1336				
LAVC-22308	246.1	369.2	492.2	615.3	239.8	359.7	479.5	599.4	40636	No	26	96	71	1425				
LAVC-22310	276.3	414.5	552.6	690.8	275.2	412.8	550.4	688.0	39140	No	26	96	71	1437				
LAVC-22312	303.3	454.9	606.6	758.2	303.6	455.4	607.2	759.0	37764	No	26	96	71	1462				
LAVC-22408	288.2	432.3	576.4	720.5	289.2	433.8	578.5	723.1	37796	No	34	128	71	1539				
LAVC-22410	320.1	480.2	640.2	800.3	323.4	485.0	646.7	808.4	36124	Compliant	34	128	71	1555				
LAVC-22412	340.0	510.0	680.0	850.0	350.9	526.3	701.7	877.2	34640	No	34	128	71	1588				
LAVC-23210	310.8	466.3	621.7	777.1	302.3	453.5	604.7	755.8	64092	No	26	96	73	1875				
LAVC-23212	345.9	518.8	691.8	864.7	340.0	510.0	679.9	849.9	62454	No	26	96	73	1912				
LAVC-23308	369.2	553.8	738.4	923.0	359.7	539.5	719.3	899.1	60954	No	36	144	73	2044				
LAVC-23310	414.5	621.7	828.9	1036.2	412.8	619.2	825.6	1032.0	58710	No	36	144	73	2063				
LAVC-23312	454.9	682.4	909.8	1137.3	455.4	683.1	910.8	1138.5	56646	No	36	144	73	2100				
LAVC-23408	432.3	648.5	864.6	1080.8	433.8	650.8	867.7	1084.6	56694	No	48	192	73	2214				
LAVC-23410	480.2	720.3	960.3	1200.4	485.0	727.6	970.1	1212.6	54186	Compliant	48	192	73	2238				
LAVC-23412	510.0	765.0	1019.9	1274.9	526.3	789.4	1052.6	1315.7	51960	No	48	192	73	2287				
LAVC-24308	492.2	738.4	984.5	1230.6	479.5	719.3	959.1	1198.9	81272	No	48	192	74	2526				
LAVC-24310	552.6	828.9	1105.2	1381.6	550.4	825.6	1100.8	1375.9	78280	No	48	192	74	2651				
LAVC-24312	606.6	909.8	1213.1	1516.4	607.2	910.8	1214.4	1518.0	75528	No	48	192	74	2700				
LAVC-24408	576.4	864.6	1152.9	1441.1	578.5	867.7	1156.9	1446.2	75592	No	64	254	74	2851				
LAVC-24410	640.2	960.3	1280.4	1600.6	646.7	970.1	1293.4	1616.8	72248	Compliant	64	254	74	2884				
LAVC-24412	680.0	1019.9	1359.9	1699.9	701.7	1052.6	1403.5	1754.3	69280	No	64	254	74	2950				
LAVC-25308	615.3	923.0	1230.6	1538.3	599.4	899.1	1198.9	1498.6	101590	No	64	238	75	3725				
LAVC-25310	690.8	1036.2	1381.6	1727.0	688.0	1032.0	1375.9	1719.9	97850	No	64	238	75	3755				
LAVC-25312	758.2	1137.3	1516.4	1895.5	759.0	1138.5	1518.0	1897.5	94410	No	64	238	75	3817				
LAVC-25408	720.5	1080.8	1441.1	1801.4	723.1	1084.6	1446.2	1807.7	94490	No	82	318	75	4005				
LAVC-25410	800.3	1200.4	1600.6	2000.7	808.4	1212.6	1616.8	2021.0	90310	Compliant	82	318	75	4046				
LAVC-25412	850.0	1274.9	1699.9	2124.9	877.2	1315.7	1754.3	2192.9	86600	No	82	318	75	4129				
LEVC-26308	738.4	1107.5	1476.7	1845.9	719.3	1079.0	1438.6	1798.3	121908	No	130	532	76	4759				
LEVC-26310	828.9	1243.4	1657.9	2072.3	825.6	1238.3	1651.1	2063.9	117420	No	130	532	76	4796				
LEVC-26312	909.8	1364.8	1819.7	2274.6	910.8	1366.2	1821.6	2277.0	113292	No	130	532	76	4870				
LEVC-26408	864.6	1297.0	1729.3	2161.6	867.7	1301.5	1735.4	2169.2	113388	No	168	708	76	5218				
LEVC-26410	960.3	1440.5	1920.7	2400.8	970.1	1455.1	1940.2	2425.2	108372	Compliant	168	708	76	5268				
LEVC-26412	1019.9	1529.9	2039.9	2549.9	1052.6	1578.9	2105.2	2631.5	103920	No	168	708	76	5366				
LEVC-27308	861.4	1292.1	1722.8	2153.6	839.2	1258.8	1678.4	2098.0	142226	Compliant	152	620	77	5691				
LEVC-27310	967.1	1450.6	1934.2	2417.7	963.2	1444.7	1926.3	2407.9	136990	Compliant	152	620	77	5734				
LEVC-27312	1061.5	1592.2	2123.0	2653.7	1062.6	1593.9	2125.2	2656.5	132174	No	152	620	77	5826				
LEVC-27408	1008.8	1513.1	2017.5	2521.9	1012.3	1518.5	2024.6	2530.8	132286	Compliant	196	826	77	6208				
LEVC-27410	1120.4	1680.6	2240.8	2801.0	1131.8	1697.6	2263.5	2829.4	126434	Compliant	196	826	77	6266				
LEVC-27412	1189.9	1784.9	2379.9	2974.8	1228.0	1842.0	2456.0	3070.1	121240	No	196	826	77	6382				

See NOTES on 50 hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 btuh/watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional VFD and controller on fixed speed motors (F, A, C, E & B). Krack recommends the K motor option which has variable speed capability and need only a controller to provide the 0-10V control signal to meet the regulation.

Levitor II Air-Cooled Condenser

Electrical Motor AMP Data

LAVF - 1.5 HP - 1140 RPM

FAN MOTOR TOTAL FULL LOAD AMPS					FAN MOTOR TOTAL FULL LOAD AMPS				
	208-230/3/60	380/3/50	460/3/60	575/3/60		208-230/3/60	380/3/50	460/3/60	575/3/60
LAVF-11	5.4	2.1	2.5	2.5	—	—	—	—	—
LAVF-12	10.8	4.2	5.0	5.0	LAVF-22	21.6	8.4	10.0	10.0
LAVF-13	16.2	6.3	7.5	7.5	LAVF-23	32.4	12.6	15.0	15.0
LAVF-14	21.6	8.4	10.0	10.0	LAVF-24	43.2	16.8	20.0	20.0
LAVF-15	27.0	10.5	12.5	12.5	LAVF-25	54.0	21.0	25.0	25.0
LEVF-16	32.4	12.6	15.0	15.0	LEVF-26	64.8	25.2	30.0	30.0
LEVF-17	37.8	14.7	17.5	17.5	LEVF-27	75.6	29.4	35.0	35.0

LAVK - 1.5 HP - 1140 RPM

FAN MOTOR TOTAL FULL LOAD AMPS					FAN MOTOR TOTAL FULL LOAD AMPS				
	208-230/2/60	380/3/50-60	460/3/60	575/3/60		208-230/2/60	380/3/50-60	460/3/60	575/3/60
LAVK - 11	5.4	3.8	3.0	NA	—	—	—	—	—
LAVK - 12	10.8	7.6	6.0	NA	LAVK - 22	21.6	15.2	12.0	NA
LAVK - 13	16.2	11.4	9.0	NA	LAVK - 23	32.4	22.8	18.0	NA
LAVK - 14	21.6	15.2	12.0	NA	LAVK - 24	43.2	30.4	24.0	NA
LAVK - 15	27.0	19.0	15.0	NA	LAVK - 25	54.0	38.0	30.0	NA
LEVK - 16	32.4	22.8	18.0	NA	LEVK - 26	64.8	45.6	36.0	NA
LEVK - 17	37.8	26.6	21.0	NA	LEVK - 27	75.6	53.2	42.0	NA

LAVE - 0.5 HP - 575 RPM

FAN MOTOR TOTAL FULL LOAD AMPS					FAN MOTOR TOTAL FULL LOAD AMPS				
	208-230/3/60	380/3/50	460/3/60	575/3/60		208-230/3/60	380/3/50	460/3/60	575/3/60
LAVE-11	3.4	1.4	1.6	1.45	—	—	—	—	—
LAVE-12	6.8	2.8	3.2	2.90	LAVE-22	13.6	5.6	6.4	5.8
LAVE-13	10.2	4.2	4.8	4.35	LAVE-23	20.4	8.4	9.6	8.7
LAVE-14	13.6	5.6	6.4	5.80	LAVE-24	27.2	11.2	12.8	11.6
LAVE-15	17.0	7.0	8.0	7.25	LAVE-25	34.0	14.0	16.0	14.5
LEVE-16	20.4	8.4	9.6	8.70	LEVE-26	40.8	16.8	19.2	17.4
LEVE-17	23.8	9.8	11.2	10.15	LEVE-27	47.6	19.6	22.4	20.3

LAVA - 1.0 HP - 850 RPM

FAN MOTOR TOTAL FULL LOAD AMPS					FAN MOTOR TOTAL FULL LOAD AMPS				
	208-230/3/60	380/3/50	460/3/60	575/3/60		208-230/3/60	380/3/50	460/3/60	575/3/60
LAVA-11	4.8	2.3	2.4	1.8	—	—	—	—	—
LAVA-12	9.6	4.6	4.8	3.6	LAVA-22	19.2	9.2	9.6	7.2
LAVA-13	14.4	6.9	7.2	5.4	LAVA-23	28.8	13.8	14.4	10.8
LAVA-14	19.2	9.2	9.6	7.2	LAVA-24	38.4	18.4	19.2	14.4
LAVA-15	24.0	11.5	12.0	9.0	LAVA-25	48.0	23.0	24.0	18.0
LEVA-16	28.8	13.8	14.4	10.8	LEVA-26	57.6	27.6	28.8	21.6
LEVA-17	33.6	16.1	16.8	12.6	LEVA-27	67.2	32.2	33.6	25.2

LAVC - 1.5 HP - 850 RPM

FAN MOTOR TOTAL FULL LOAD AMPS					FAN MOTOR TOTAL FULL LOAD AMPS				
	208-230/3/60	380/3/50	460/3/60	575/3/60		208-230/3/60	380/3/50	460/3/60	575/3/60
LAVC-11	6.9	2.9	3.3	2.5	—	—	—	—	—
LAVC-12	13.8	5.8	6.6	5.0	LAVC-22	27.6	11.6	13.2	10.0
LAVC-13	20.7	8.7	9.9	7.5	LAVC-23	41.4	17.4	19.8	15.0
LAVC-14	27.6	11.6	13.2	10.0	LAVC-24	55.2	23.2	26.4	20.0
LAVC-15	34.5	14.5	16.5	12.5	LAVC-25	69.0	29.0	33.0	25.0
LEV C-16	41.4	17.4	19.8	15.0	LEV C-26	82.8	34.8	39.6	30.0
LEV C-17	48.3	20.3	23.1	17.5	LEV C-27	96.6	40.6	46.2	35.0

LAVB - 0.5 HP - 1140 RPM

FAN MOTOR TOTAL FULL LOAD AMPS					FAN MOTOR TOTAL FULL LOAD AMPS				
	208-230/1/60	208-230/3/60	460/3/60	575/3/60		208-230/1/60	208-230/3/60	460/3/60	575/3/60
LAVB-11	4.2	2.5	1.3	0.95	—	—	—	—	—
LAVB-12	8.4	5.0	2.6	1.90	LAVB-22	16.8	10.0	5.2	3.8
LAVB-13	12.6	7.5	3.9	2.85	LAVB-23	25.2	15.0	7.8	5.7
LAVB-14	16.8	10.0	5.2	3.80	LAVB-24	33.6	20.0	10.4	7.6
LAVB-15	21.0	12.5	6.5	4.75	LAVB-25	42.0	25.0	13.0	9.5
LAVB-16	25.2	15.0	7.8	5.70	LAVB-26	50.4	30.0	15.6	11.4
LAVB-17	29.4	17.5	9.1	6.65	LAVB-27	58.8	35.0	18.2	13.3

NOTE: The tables show the motor Full Load Amps (FLA). For nameplate MCA and MOP, use the following calculations:

Minimum Unit Circuit Amps = 1.25 x FLA of One Motor + FLA of All Remaining Motors. Maximum Unit Overload Protection = 4.00 x FLA of One Motor + FLA of All Remaining Motors.

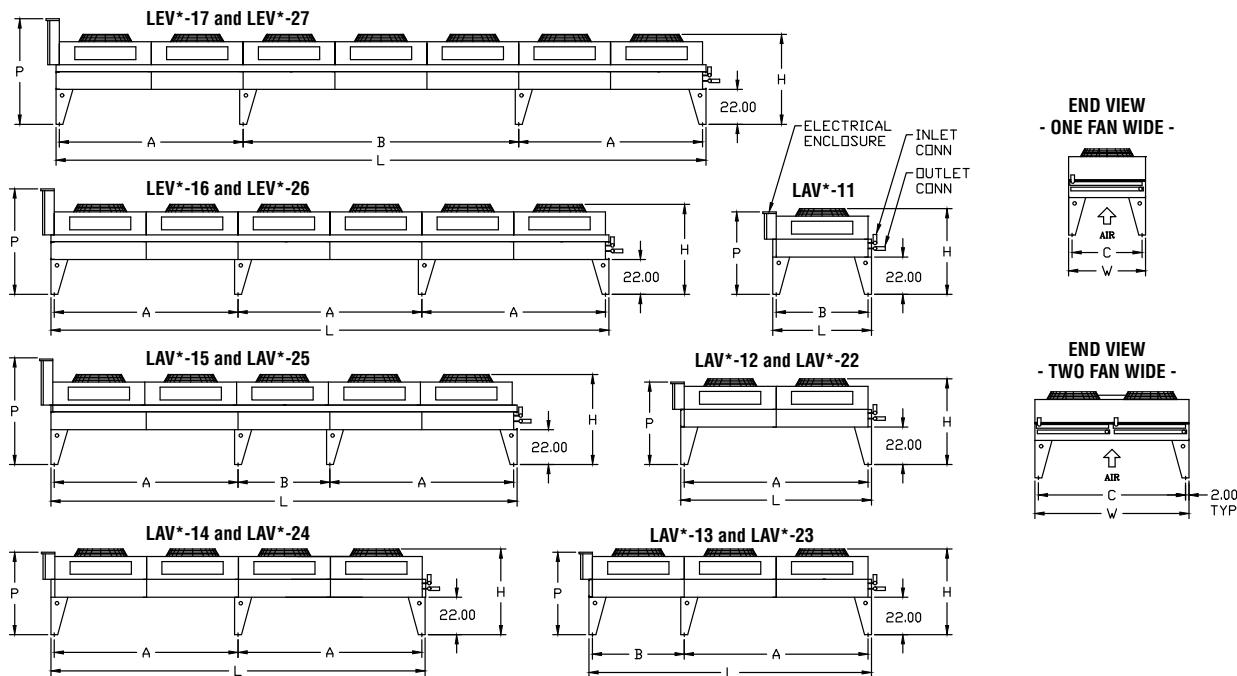
Leviton II Air-Cooled Condenser

Electrical Motor Watts Data

FAN MOTOR COMBINATION (kW)						
MODEL	A	B	C	E	F	K
11208	0.90	0.61	1.07	0.27	1.17	1.15
11210	0.91	0.61	1.08	0.28	1.17	1.15
11212	0.92	0.61	1.09	0.28	1.18	1.16
11308	0.92	0.61	1.10	0.28	1.19	1.17
11310	0.93	0.62	1.13	0.28	1.21	1.19
11312	0.94	0.62	1.15	0.29	1.22	1.20

Watts shown are for a single fan and are multiplied by the number of the fans for units with more fans.

Dimensional Drawings



ONE FAN WIDE							TWO FANS WIDE												
							CONNECTIONS OD IN(1)												
	L	W	H	P	A	B	C	INLET	OUTLET		L	W	H	P	A	B	C	INLET	OUTLET
LAV*-11***	58	45-1/4	54	49	-	54	41-1/4	1-3/8	1-3/8	LAV*-22***	112	90-1/2	54	49	108	-	86-1/2	(2)1-5/8	(2)1-5/8
LAV*-12***	112	45-1/4	54	49	108	-	41-1/4	1-5/8	1-5/8	LAV*-23***	166	90-1/2	54	49	108	54	86-1/2	(2)2-1/8	(2)2-1/8
LAV*-13***	166	45-1/4	54	49	108	54	41-1/4	2-1/8	2-1/8	LAV*-24***	220	90-1/2	54	49	108	-	86-1/2	(2)2-1/8	(2)2-1/8
LAV*-14***	220	45-1/4	54	49	108	-	41-1/4	2-1/8	2-1/8	LAV*-25***	274	90-1/2	58-1/2	65	108	54	86-1/2	(2)2-1/8	(2)2-1/8
LAV*-15***	274	45-1/4	58-1/2	65	108	54	41-1/4	2-1/8	2-1/8	LEV*-26***	328	90-1/2	58-1/2	65	108	-	86-1/2	(2)2-5/8	(2)2-5/8
LEV*-16***	328	45-1/4	58-1/2	65	108	41-1/4	2-5/8	2-5/8	2-5/8	LEV*-27***	382	90-1/2	58-1/2	65	108	162	86-1/2	(2) 2-5/8	(2) 2-5/8
LEV*-17***	382	45-1/4	58-1/2	65	108	41-1/4	2-5/8	2-5/8	2-5/8										

NOTE:

* Indicates fan/motor combination.

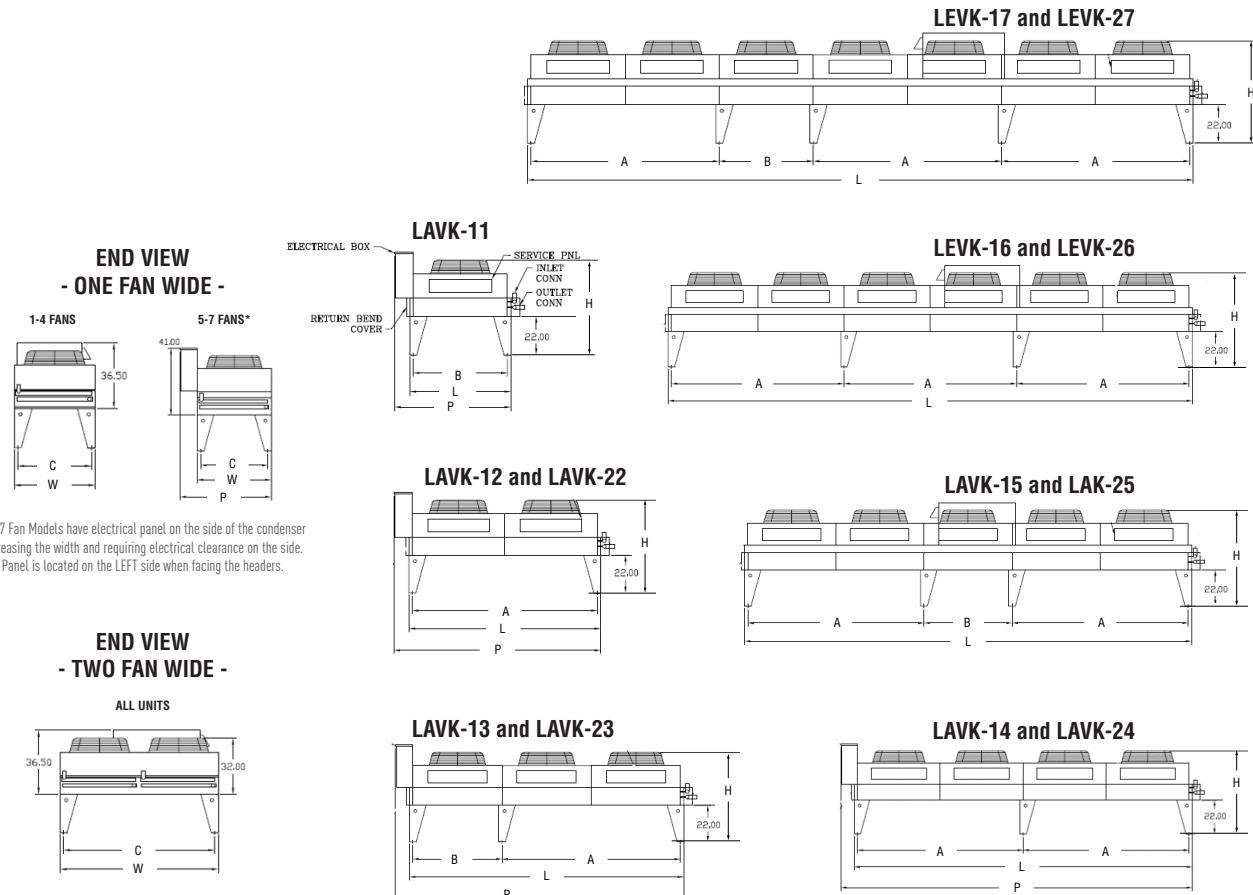
** Indicates Rows & FPI. 'H' value includes standard 22" legs.

(1) Connections are approximate. Exact size is determined by computerized circuiting program.

(2) 1 x 3 has six legs; 2 x 3 has eight legs.

Levitor II Air-Cooled Condenser

Dimensional Drawings (for K Fan Models)



ONE FAN WIDE								TWO FANS WIDE								INLET OUTLET				
	L	W	H	P	A	B	C	INLET OUTLET			L	W	H	P	A	B	C	INLET OUTLET		
								OD IN(1)									OD IN(1)			
LAVK-11***	58	45-1/4	54	66.75	-	54	41-1/4	1-3/8	1-3/8	--	LAVK-22***	112	90-1/2	54	120.75	108	-	86-1/2	(2)1-5/8	(2)1-5/8
LAVK-12***	112	45-1/4	54	120.75	108	-	41-1/4	1-5/8	1-5/8	LAVK-23***	166	90-1/2	54	174.75	108	54	86-1/2	(2)2-1/8	(2)2-1/8	
LAVK-13***	166	45-1/4	54	174.75	108	54	41-1/4	2-1/8	2-1/8	LAVK-24***	220	90-1/2	54	228.75	108	-	86-1/2	(2)2-1/8	(2)2-1/8	
LAVK-14***	220	45-1/4	54	228.75	108	-	41-1/4	2-1/8	2-1/8	LAVK-25***	274	90-1/2	58-1/2	56	108	54	86-1/2	(2)2-1/8	(2)2-1/8	
LAVK-15***	274	45-1/4	58-1/2	56	108	54	41-1/4	2-1/8	2-1/8	LAVK-26***	328	90-1/2	58-1/2	56	108	-	86-1/2	(2)2-5/8	(2)2-5/8	
LEVK-16***	328	45-1/4	58-1/2	56	108	162	41-1/4	2-5/8	2-5/8	LEVK-27***	382	90-1/2	58-1/2	56	108	162	86-1/2	(2) 2-5/8	(2) 2-5/8	
LEVK-17***	382	45-1/4	58-1/2	56	108	162	41-1/4	2-5/8	2-5/8											

Leviton II Air-Cooled Condenser

LAVB Performance Data (0.5 HP - 1140 RPM)

MODEL	ONE FAN WIDE										CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)	EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)										
	TOTAL HEAT OF REJECTION (MBH)								AIR FLOW (CFM)															
	R-404A, R-507A				R-407A, R-448A / R-449A																			
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE																			
10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F		SUMMER	WINTER														
LAVB-11208	27.5	41.2	54.9	68.7	26.5	39.7	52.9	66.1	6900	No	3	10	65	178										
LAVB-11210	32.0	48.1	64.1	80.1	31.2	46.7	62.3	77.9	6750	No	3	10	65	181										
LAVB-11212	35.8	53.6	71.5	89.4	35.0	52.5	70.0	87.5	6606	No	3	10	65	184										
LAVB-11308	38.4	57.6	76.8	96.0	37.5	56.2	74.9	93.7	6594	No	4	15	65	180										
LAVB-11310	43.7	65.6	87.4	109.3	43.3	64.9	86.5	108.1	6400	Compliant	4	15	65	185										
LAVB-11312	48.0	72.0	96.0	120.0	47.7	71.6	95.5	119.3	6217	No	4	15	65	190										
LAVB-11408	45.9	68.9	91.9	114.9	45.8	68.6	91.5	114.4	6224	Compliant	5	20	65	193										
LAVB-11410	51.3	76.9	102.6	128.2	51.7	77.5	103.4	129.2	6000	Compliant	5	20	65	200										
LAVB-11412	55.1	82.6	110.2	137.7	56.3	84.4	112.5	140.7	5799	No	5	20	65	207										
LAVB-12208	54.9	82.4	109.9	137.4	52.9	79.4	105.8	132.3	13800	No	6	19	68	346										
LAVB-12210	64.1	96.1	128.2	160.2	62.3	93.5	124.7	155.8	13500	No	6	19	68	352										
LAVB-12212	71.5	107.3	143.0	178.8	70.0	105.0	140.0	175.1	13212	No	6	19	68	358										
LAVB-12308	76.8	115.2	153.6	192.0	74.9	112.4	149.9	187.4	13188	No	8	29	68	362										
LAVB-12310	87.4	131.2	174.9	218.6	86.5	129.8	173.0	216.3	12800	Compliant	8	29	68	372										
LAVB-12312	96.0	144.0	192.0	240.0	95.5	143.2	190.9	238.6	12434	No	8	29	68	382										
LAVB-12408	91.9	137.8	183.8	229.7	91.5	137.3	183.1	228.8	12448	Compliant	10	38	68	386										
LAVB-12410	102.6	153.9	205.2	256.5	103.4	155.1	206.8	258.5	12000	Compliant	10	38	68	400										
LAVB-12412	110.2	165.3	220.3	275.4	112.5	168.8	225.1	281.3	11598	No	10	38	68	413										
LAVB-13308	115.2	172.8	230.4	288.0	112.4	168.6	224.8	281.0	19782	No	11	42	70	544										
LAVB-13310	131.2	196.8	262.3	327.9	129.8	194.6	259.5	324.4	19200	Compliant	11	42	70	559										
LAVB-13312	144.0	216.0	288.0	360.0	143.2	214.8	286.4	357.9	18651	No	11	42	70	574										
LAVB-13408	137.8	206.8	275.7	344.6	137.3	205.9	274.6	343.2	18672	Compliant	14	57	70	580										
LAVB-13410	153.9	230.8	307.8	384.7	155.1	232.6	310.2	387.7	18000	Compliant	14	57	70	600										
LAVB-13412	165.3	247.9	330.5	413.1	168.8	253.2	337.6	422.0	17397	No	14	57	70	620										
LAVB-14308	153.6	230.4	307.2	384.0	149.9	224.8	299.8	374.7	26376	No	14	56	71	820										
LAVB-14310	174.9	262.3	349.8	437.2	173.0	259.5	346.0	432.5	25600	Compliant	14	56	71	840										
LAVB-14312	192.0	288.0	384.0	480.0	190.9	286.4	381.8	477.3	24868	No	14	56	71	860										
LAVB-14408	183.8	275.7	367.6	459.5	183.1	274.6	366.1	457.7	24896	Compliant	19	75	71	873										
LAVB-14410	205.2	307.8	410.3	512.9	206.8	310.2	413.6	517.0	24000	Compliant	19	75	71	900										
LAVB-14412	220.3	330.5	440.7	550.9	225.1	337.6	450.1	562.7	23196	No	19	75	71	927										
LAVB-15308	192.0	288.0	384.0	479.9	187.4	281.0	374.7	468.4	32970	No	18	70	72	836										
LAVB-15310	218.6	327.9	437.2	546.5	216.3	324.4	432.5	540.7	32000	Compliant	18	70	72	861										
LAVB-15312	240.0	360.0	480.0	600.0	238.6	357.9	477.3	596.6	31085	No	18	70	72	886										
LAVB-15408	229.7	344.6	459.5	574.4	228.8	343.2	457.7	572.1	31120	Compliant	23	94	72	917										
LAVB-15410	256.5	384.7	512.9	641.2	258.5	387.7	517.0	646.2	30000	Compliant	23	94	72	950										
LAVB-15412	275.4	413.1	550.9	688.6	281.3	422.0	562.7	703.3	28995	No	23	94	72	983										
LAVB-16308	230.4	345.6	460.7	575.9	224.8	337.2	449.7	562.1	39564	No	22	85	73	1040										
LAVB-16310	262.3	393.5	524.7	655.8	259.5	389.3	519.0	648.8	38400	Compliant	22	85	73	1070										
LAVB-16312	288.0	432.0	576.0	720.0	286.4	429.5	572.7	715.9	37302	No	22	85	73	1100										
LAVB-16408	275.7	413.5	551.4	689.2	274.6	411.9	549.2	686.5	37344	Compliant	28	113	73	1110										
LAVB-16410	307.8	461.6	615.5	769.4	310.2	465.3	620.4	775.4	36000	Compliant	28	113	73	1150										
LAVB-16412	330.5	495.8	661.0	826.3	337.6	506.4	675.2	844.0	34794	No	28	113	73	1190										
LAVB-17308	268.8	403.1	537.5	671.9	262.3	393.5	524.6	655.8	46158	No	25	98	74	1314										
LAVB-17310	306.1	459.1	612.1	765.2	302.8	454.1	605.5	756.9	44800	Compliant	25	98	74	1349										
LAVB-17312	336.0	504.0	672.0	840.1	334.1	501.1	668.2	835.2	43519	No	25	98	74	1384										
LAVB-17408	321.6	482.5	643.3	804.1	320.4	480.5	640.7	800.9	43568	Compliant	32	131	74	1404										
LAVB-17410	359.0	538.6	718.1	897.6	361.9	542.8	723.7	904.7	42000	Compliant	32	131	74	1450										
LAVB-17412	385.6	578.4	771.2	964.0	393.9	590.8	787.7	984.6	40593	No	32	131	74	1497										

See NOTES on 50 hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 btuh/watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional VFD and controller on fixed speed motors (F, A, C, E & B).

Krack recommends the K motor option which has variable speed capability and need only a controller to provide the 0-10V control signal to meet the regulation.

Levitor II Air-Cooled Condenser

LAVB Performance Data (0.5 HP - 1140 RPM)

TWO FANS WIDE

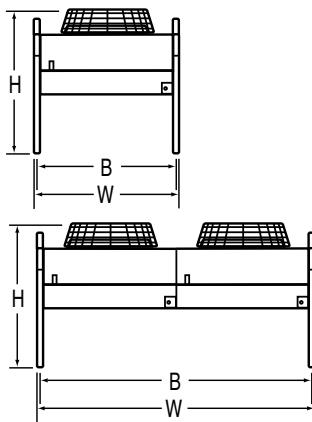
MODEL	TOTAL HEAT OF REJECTION (MBH)								AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS)		EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)								
	R-404A, R-507A				R-407A, R-448A / R-449A						SUMMER	WINTER										
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE																	
	10°F	15°F	20°F	25°F	10°F	15°F	20°F	25°F														
LAVB-22208	109.9	164.8	219.8	274.7	105.8	158.7	211.6	264.5	27600	No	12	38	71	642								
LAVB-22210	128.2	192.3	256.4	320.5	124.7	187.0	249.3	311.6	27000	No	12	38	71	654								
LAVB-22212	143.0	214.6	286.1	357.6	140.0	210.1	280.1	350.1	26424	No	12	38	71	666								
LAVB-22308	153.6	230.4	307.2	384.0	149.9	224.8	299.8	374.7	26376	No	16	58	71	845								
LAVB-22310	174.9	262.3	349.8	437.2	173.0	259.5	346.0	432.5	25600	Compliant	16	58	71	865								
LAVB-22312	192.0	288.0	384.0	480.0	190.9	286.4	381.8	477.3	24868	No	16	58	71	885								
LAVB-22408	183.8	275.7	367.6	459.5	183.1	274.6	366.1	457.7	24896	Compliant	20	76	71	895								
LAVB-22410	205.2	307.8	410.3	512.9	206.8	310.2	413.6	517.0	24000	Compliant	20	76	71	925								
LAVB-22412	220.3	330.5	440.7	550.9	225.1	337.6	450.1	562.7	23196	No	20	76	71	953								
LAVB-23308	230.4	345.6	460.7	575.9	224.8	337.2	449.7	562.1	39564	No	22	84	73	1088								
LAVB-23310	262.3	393.5	524.7	655.8	259.5	389.3	519.0	648.8	38400	Compliant	22	84	73	1118								
LAVB-23312	288.0	432.0	576.0	720.0	286.4	429.5	572.7	715.9	37302	No	22	84	73	1148								
LAVB-23408	275.7	413.5	551.4	689.2	274.6	411.9	549.2	686.5	37344	Compliant	28	114	73	1185								
LAVB-23410	307.8	461.6	615.5	769.4	310.2	465.3	620.4	775.4	36000	Compliant	28	114	73	1225								
LAVB-23412	330.5	495.8	661.0	826.3	337.6	506.4	675.2	844.0	34794	No	28	114	73	1265								
LAVB-24308	307.2	460.7	614.3	767.9	299.8	449.7	599.6	749.4	52752	No	28	112	74	1665								
LAVB-24310	349.8	524.7	699.6	874.5	346.0	519.0	692.0	865.0	51200	Compliant	28	112	74	1705								
LAVB-24312	384.0	576.0	768.0	960.1	381.8	572.7	763.6	954.5	49736	No	28	112	74	1745								
LAVB-24408	367.6	551.4	735.2	919.0	366.1	549.2	732.2	915.3	49792	Compliant	38	150	74	1771								
LAVB-24410	410.3	615.5	820.7	1025.8	413.6	620.4	827.1	1033.9	48000	Compliant	38	150	74	1825								
LAVB-24412	440.7	661.0	881.4	1101.7	450.1	675.2	900.2	1125.3	46392	No	38	150	74	1880								
LAVB-25308	384.0	575.9	767.9	959.9	374.7	562.1	749.4	936.8	65940	No	36	140	75	1672								
LAVB-25310	437.2	655.8	874.5	1093.1	432.5	648.8	865.0	1081.3	64000	Compliant	36	140	75	1722								
LAVB-25312	480.0	720.0	960.1	1200.1	477.3	715.9	954.5	1193.2	62170	No	36	140	75	1772								
LAVB-25408	459.5	689.2	919.0	1148.7	457.7	686.5	915.3	1144.1	62240	Compliant	46	188	75	1859								
LAVB-25410	512.9	769.4	1025.8	1282.3	517.0	775.4	1033.9	1292.4	60000	Compliant	46	188	75	1925								
LAVB-25412	550.9	826.3	1101.7	1377.1	562.7	844.0	1125.3	1406.6	57990	No	46	188	75	1991								
LAVB-26308	460.7	691.1	921.5	1151.9	449.7	674.5	899.3	1124.2	79128	No	44	170	76	2035								
LAVB-26310	524.7	787.0	1049.4	1311.7	519.0	778.5	1038.0	1297.6	76800	Compliant	44	170	76	2095								
LAVB-26312	576.0	864.1	1152.1	1440.1	572.7	859.1	1145.4	1431.8	74604	No	44	170	76	2155								
LAVB-26408	551.4	827.1	1102.8	1378.5	549.2	823.8	1098.4	1373.0	74688	Compliant	56	226	76	2145								
LAVB-26410	615.5	923.3	1231.0	1538.8	620.4	930.5	1240.7	1550.9	72000	Compliant	56	226	76	2225								
LAVB-26412	661.0	991.5	1322.0	1652.6	675.2	1012.8	1350.4	1688.0	69588	No	56	226	76	2305								
LAVB-27308	537.5	806.3	1075.1	1343.8	524.6	786.9	1049.2	1311.5	92316	Compliant	50	196	77	2655								
LAVB-27310	612.1	918.2	1224.2	1530.3	605.5	908.3	1211.1	1513.8	89600	No	50	196	77	2725								
LAVB-27312	672.0	1008.1	1344.1	1680.1	668.2	1002.2	1336.3	1670.4	87038	No	50	196	77	2795								
LAVB-27408	643.3	964.9	1286.6	1608.2	640.7	961.1	1281.4	1601.8	87136	Compliant	64	262	77	2835								
LAVB-27410	718.1	1077.1	1436.2	1795.2	723.7	1085.6	1447.5	1809.4	84000	Compliant	64	262	77	2925								
LAVB-27412	771.2	1156.8	1542.4	1928.0	787.7	1181.6	1575.4	1969.3	81186	No	64	262	77	3015								

See NOTES on 50 hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 btuh/watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional VFD and controller on fixed speed motors [F, A, C, E & B]. Krack recommends the K motor option which has variable speed capability and need only a controller to provide the 0-10V control signal to meet the regulation.

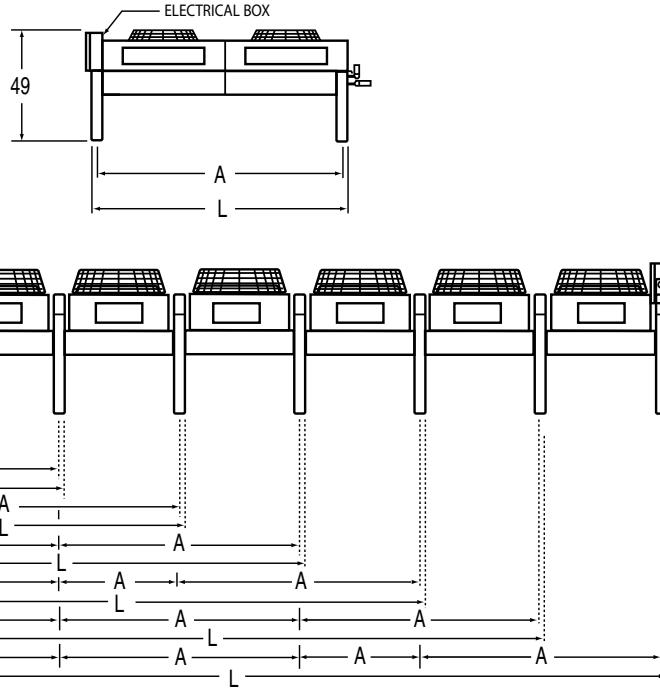
Leviton II Air-Cooled Condenser

Dimensional Drawings (for B Fan Models)

HEADER END VIEW



SIDE VIEWS



DIMENSIONAL DATA

CONNECTIONS OD IN.⁽¹⁾

	L	W	H	A	B	INLET	OUTLET
LAVB-11***	39	45-1/4	41-1/4	36	43-1/4	1-1/8	1-1/8
LAVB-12***	75	45-1/4	41-1/4	72	43-1/4	1-3/8	1-3/8
LAVB-13***	111	45-1/4	41-1/4	108	43-1/4	1-3/8	1-3/8
LAVB-14***	147	45-1/4	41-1/4	72/72	43-1/4	1-5/8	1-5/8
LAVB-15***	183	45-1/4	41-1/4	72/36/72	43-1/4	2-1/8	2-1/8
LAVB-16***	219	45-1/4	41-1/4	72/72/72	43-1/4	2-1/8	2-1/8
LAVB-17***	262	45-1/4	41-1/4	72/72/36/72	43-1/4	2-5/8	2-5/8
LAVB-22***	75	87-5/8	41-1/4	72	85-5/8	1-3/8	1-3/8
LAVB-23***	111	87-5/8	41-1/4	108	85-5/8	1-3/8	1-3/8
LAVB-24***	147	87-5/8	41-1/4	72/72	85-5/8	1-5/8	1-5/8
LAVB-25***	183	87-5/8	41-1/4	72/36/72	85-5/8	2-1/8	2-1/8
LAVB-26***	219	87-5/8	41-1/4	72/72/72	85-5/8	2-1/8	2-1/8
LAVB-27***	262	87-5/8	41-1/4	72/72/36/72	85-5/8	2-5/8	2-5/8

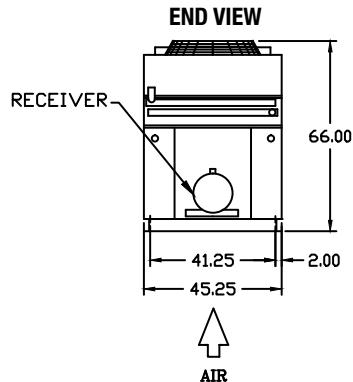
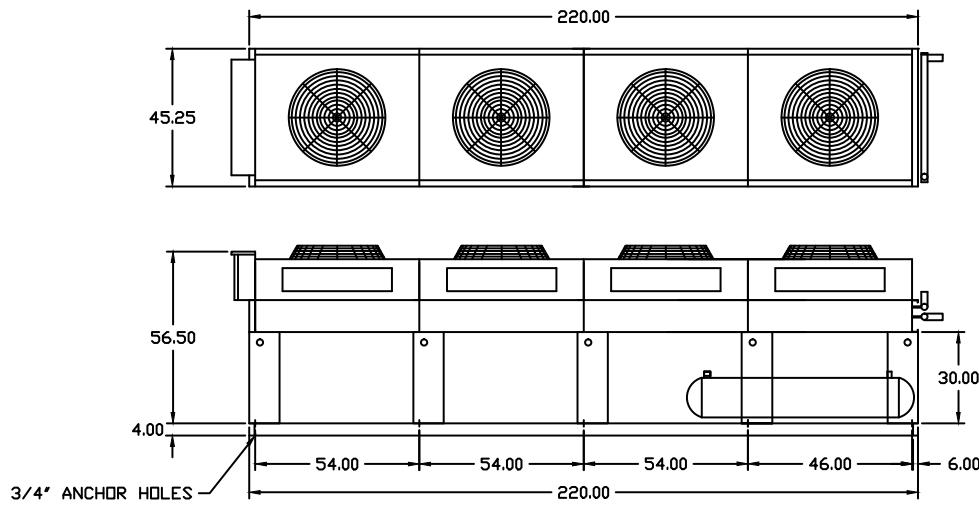
NOTE: Refer to pages 13 and 14 for B Motor electrical data.

***Indicates Rows & FPI. 'H' value includes standard 18" legs.

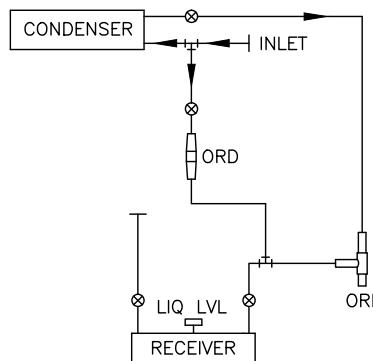
(1) Connections are approximate. Exact size is determined by computerized circuiting program.

Levitor II Air-Cooled Condenser

Mounted Receiver Diagram (One Receiver) - If Applicable

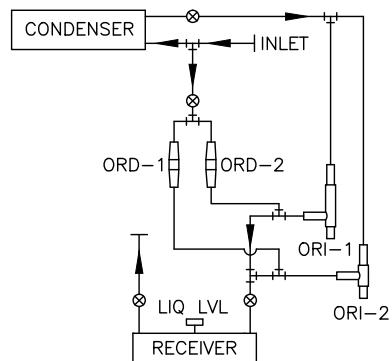


RECEIVER PIPING



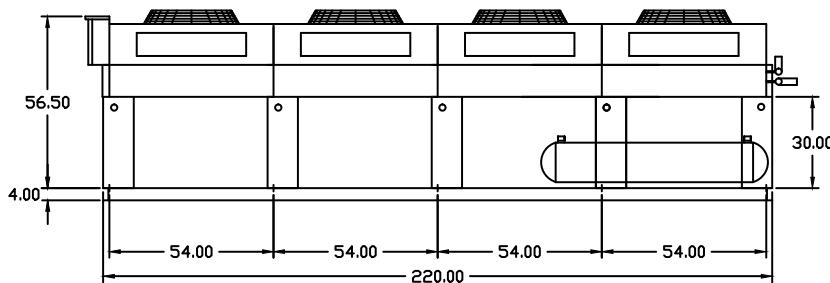
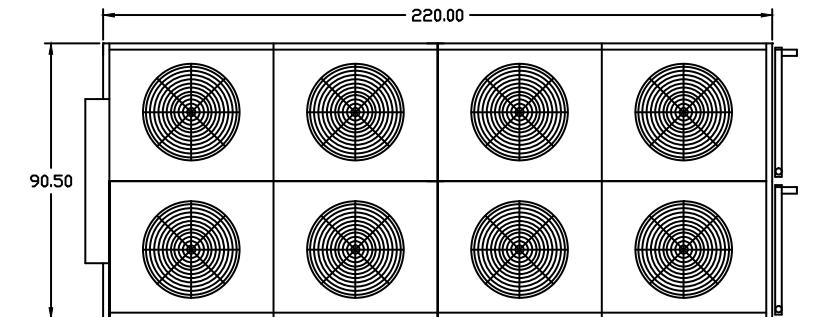
RECEIVER PIPING

DUAL ORI/ORD VALVES
REQUIRED FOR HIGHER CAPACITY MODELS

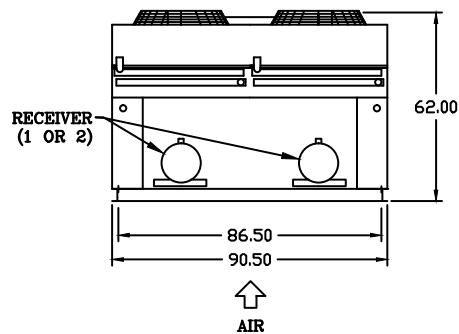


Leviton II Air-Cooled Condenser

Mounted Receiver Diagram (Two Receivers) - If Applicable

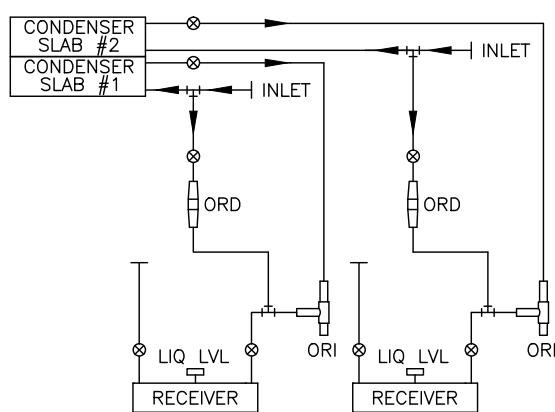


END VIEW



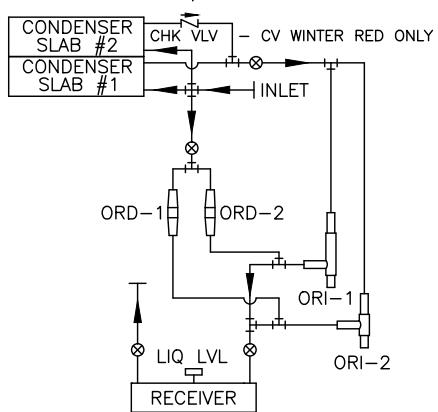
RECEIVER PIPING

— TWO RECEIVERS —



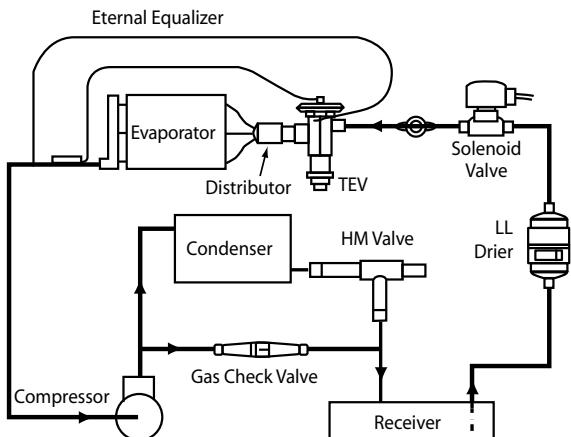
RECEIVER PIPING

— ONE RECEIVER —
DUAL ORI/ORD VALVES



Levitor II Air-Cooled Condenser

Low Ambient Controls (Head Pressure Control System)



Piping Schematic for Winter Control

Head Pressure Control for systems with air-cooled condenser is accomplished with two pressure regulating valves designed specifically for this type of application.

When low ambient conditions are encountered during winter operation on air-cooled systems with a resultant drop in condensing pressure, the Head Pressure control's purpose is to hold back enough of the condenser liquid refrigerant so that some of the condenser surface is rendered inactive. This reduction of active condensing surface results in a rise in the condensing pressure and sufficient liquid line pressure for normal system operation.

Fan Cycling Controls

Factory installed and tested fan cycling control panels (optional, see page 24).

Mounted Receivers

Levitor is available with a mounted receiver for applications where a remote receiver is desired. Included in the option are a heavy-duty base, extended legs, receiver, a 3-way valve, relief valve(s), rotalocks, ball valves, and ORI/ORD valves. Optional heated, insulated and oversized receivers available.

ADDITIONAL UNIT WEIGHTS		
# OF FANS	# OF RECEIVERS	
	1	2
1 x 1	350	550
1 x 2	440	640
1 x 3	530	730
1 x 4	620	820
1 x 5	820	1120
1 x 6	910	1210
1 x 7	1000	1300
2 x 2	520	700
2 x 3	620	800
2 x 4	720	910
2 x 5	910	1210
2 x 6	1020	1320
2 x 7	1120	1420

Receiver models are 12" taller than standard models.
Add the above to weights.

RECEIVER CAPACITIES @ 80% FULL			
SIZE	R-404A/R-507A (LBS)	R-407A (LBS)	R-448A / R-449A (LBS)
10-3/4" x 48"	114	126	121
10-3/4" x 60"	144	159	153
12-3/4" x 72"	245	270	260
14-3/4" x 96"	395	435	419

Leviton II Air-Cooled Condenser

Mounted Receivers (Continued)

Includes ORI /ORD flooding valve, isolation ball valves, gauge-type liquid level indicator and dual relief valve.
Optional heat tape and insulation.

FACTORY MOUNTED RECEIVERS

LEVITOR II MODEL	SIZE	RECEIVER SIZE
LAVB 24" FAN MODEL 1 Receiver	LAVB-11	10.75" x 48"
	LAVB-12	10.75" x 60"
	LAVB-13	10.75" x 60"
	LAVB-14	10.75" x 60"
	LAVB-15	10.75" x 60"
	LAVB-16	10.75" x 60"
	LAVB-17	12.75" x 72"
LAVB 24" FAN MODEL 1 Receiver	LAVB-22	(1) 10.75" x 60"
	LAVB-23	(1) 10.75" x 60"
	LAVB-24	(1) 12.75" x 72"
	LAVB-25	(1) 12.75" x 72"
	LAVB-26	(1) 12.75" x 72"
	LAVB-27	(1) 12.75" x 72"
LAVB 24" FAN MODEL 2 Receivers for Independent Slab Operation	LAVB-22	(2) 10.75" x 60"
	LAVB-23	(2) 10.75" x 60"
	LAVB-24	(2) 10.75" x 60"
	LAVB-25	(2) 10.75" x 60"
	LAVB-26	(2) 10.75" x 60"
	LAVB-27	(2) 12.75" x 72"
LAV-LEV 30" FAN MODEL 1 Receiver	LAV*-11	10.75" x 60"
	LAV*-12	10.75" x 60"
	LAV*-13	10.75" x 60"
	LAV*-14	10.75" x 60"
	LAV*-15	12.75" x 72"
	LAV*-16	12.75" x 72"
	LAV*-17	12.75" x 72"
LAV-LEV 30" FAN MODEL 1 Receiver	LAV*-22	(1) 10.75" x 60"
	LAV*-23	(1) 12.75" x 72"
	LAV*-24	(1) 12.75" x 72"
	LAV*-25	(1) 12.75" x 72"
	LAV*-26	(1) 12.75" x 72"
	LAV*-27	(1) 12.75" x 72"
LAV-LEV 30" FAN MODEL 2 Receivers for Independent Slab Operation	LAV*-22	(2) 10.75" x 60"
	LAV*-23	(2) 10.75" x 60"
	LAV*-24	(2) 10.75" x 60"
	LAV*-25	(2) 12.75" x 72"
	LAV*-26	(2) 12.75" x 72"
	LEV*-27	(2) 12.75" x 72"

Levitor II Air-Cooled Condenser

Control Panel Nomenclature

CPC	PT	B	3	3	1	N	R
RELAY BOARD (Optional) If supplied with condenser - specify: Danfoss, CPC, Other							RECEIVER OPTION: R = Factory Mounted Receiver (R-Heated or Non-Heated) S = Standard No Receiver
K MOTOR CONTROLLERS: Emerson = CPC Johnson Controls = JCI MicroThermo = MTH1 Danfoss = DAN							AMBIENT AIR SENSOR FOR SPLIT: T = Sensor Provided N = Sensor Not Required
CONTROLS: NC = No Controls PT = Pressure Controls TF = Temp. Controls TP = Temp. and Pressure Controls *PV = Pressure Controls w/Variable Speed *TV = Temp. Controls w/Variable Speed *VN = No Controls w/Variable Speed							TYPE OF APPLICATION: 1 = Standard 2 = 50% Winter Reduction (Split Condenser) 3 = 50/50 Split Dual Panel (for Two Independent Slabs) 4 = No Control Operation (Terminal Blocks Only)
Note: * Vspeed Variable Speed - Header End Fans only ** Without Transformer - Control Voltage from source outside of Condenser Control Panel							FUSES AND BREAKERS: 1 = Individual Fuses and Contactors 2 = Individual Circuit Breakers and Contactors per Fan 3 = Fuses and Contactors per Pair of Fans 4 = Terminal Blocks Only 5 = Circuit Breaker and Contactor per Pair of Fans 6 = Fuses Only per Motor
Fuses are required with "K" drives for AIC/SCCR ratings. Breakers are not allowed.							CONTROL TYPE: 1 = Johnson Mechanical 3 = Johnson Electronic 4 = No Controls
							CONTROL VOLTAGE: A = 208/230V B = 115V C = No Control Voltage D = 24V **E = 208/230V without Transformer **F = 115V without Transformer **H = 24V without Transformer

Leviton II Air-Cooled Condenser

Standard Fan Cycling/Control Arrangements

- Electronic temperature control cycles fans in response to entering air temperature. Set points and differential for each step are adjustable.
- Electronic pressure control with single point pressure transducer cycles fans in response to condenser pressure. Set points and differential for each step are adjustable.
- Thermal Pressure Electronic temperature control cycle fans in response to entering air temperature, except for header end fan(s). Header end fan(s) are controlled by pressure control.
- Variable Speed Control-Header end fan(s) are controlled with a speed controller in response to head pressure.
- Fan Cycling Sequence-Fans are cycled off individually or side-by-side in pairs in sequence from the end opposite the header to the header end. Header end fans run continuously if compressors are operating.

Control Panel

- Standard weather resistant enclosure is mounted on the opposite end of the unit when looking at the headers.
- Control power is 24, 115 or 230 volts. A transformer is factory installed when required.
- Fan contactor with branch circuit fuse protection. Each motor or bank of motors protected by fuses.
- Disconnect not included, but may be required to meet local codes.

Optional Arrangements

- Fan motor contactor and fuses only.
- Fan motor contactor and fuses only which operate via a customer specified solid state board. Circuit board is factory mounted and wired.
- 50/50 split with two fan wide models. Each side is controlled separately with individual control panels on each side.
- 50% winter reduction with two fan wide models. The right side fans are isolated in winter. Fans are locked out via a relay or switch during shutdown.
- Consult Price List for additional options.

Fan Cycling Sequence

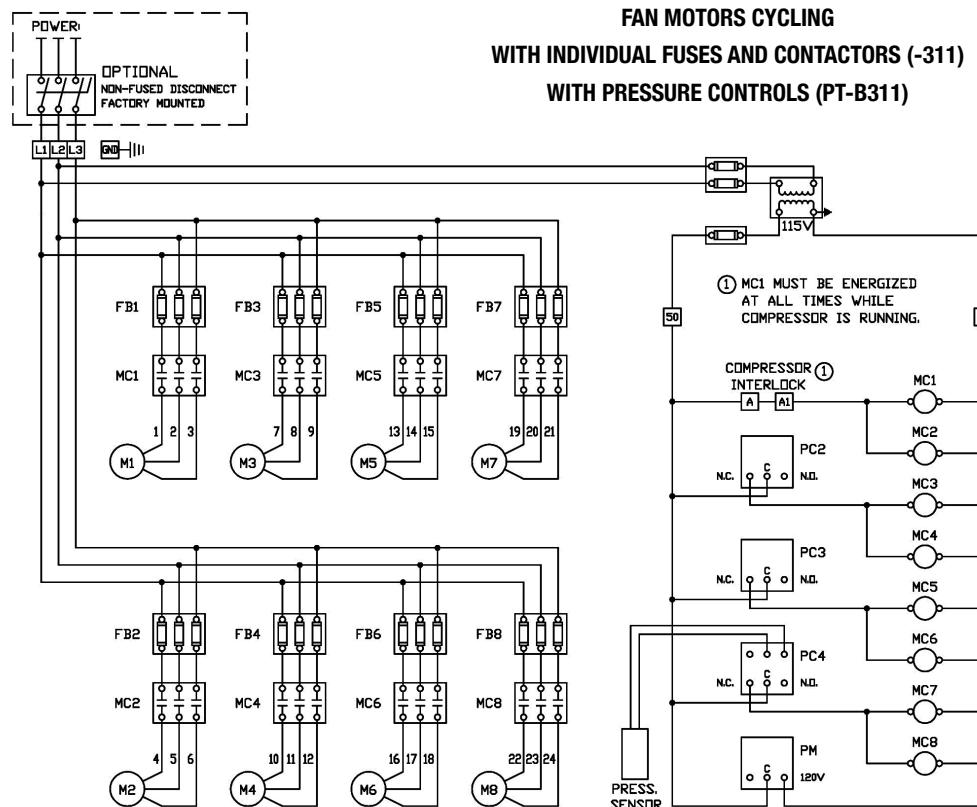
TABLE A

1st Stage (Not Cycling)	●	●	●	●	●	●	●	●	●	●	
2nd Stage		●	●	●	●	●	●	●	●	●	
3rd Stage			●	●	●	●	●	●	●	●	
4th Stage				●	●	●	●	●	●	●	
5th Stage					●	●	●	●	●	●	
6th Stage						●	●	●	●	●	
CAPACITY MULTIPLIER WITH HEADER FANS RUNNING	1.00	0.55	0.40	0.33	0.28	0.24	0.55	0.40	0.33	0.28	0.24

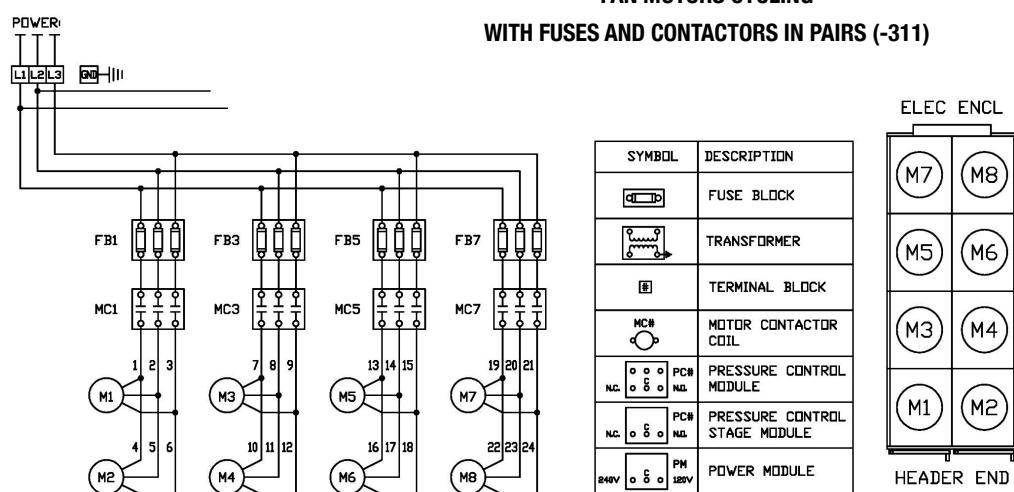
NOTE: Data given in Table "A" is based on zero wind velocity. If condensers are subjected to wind effect, these multipliers will increase.

Levitor II Air-Cooled Condenser

Example Wiring Diagrams



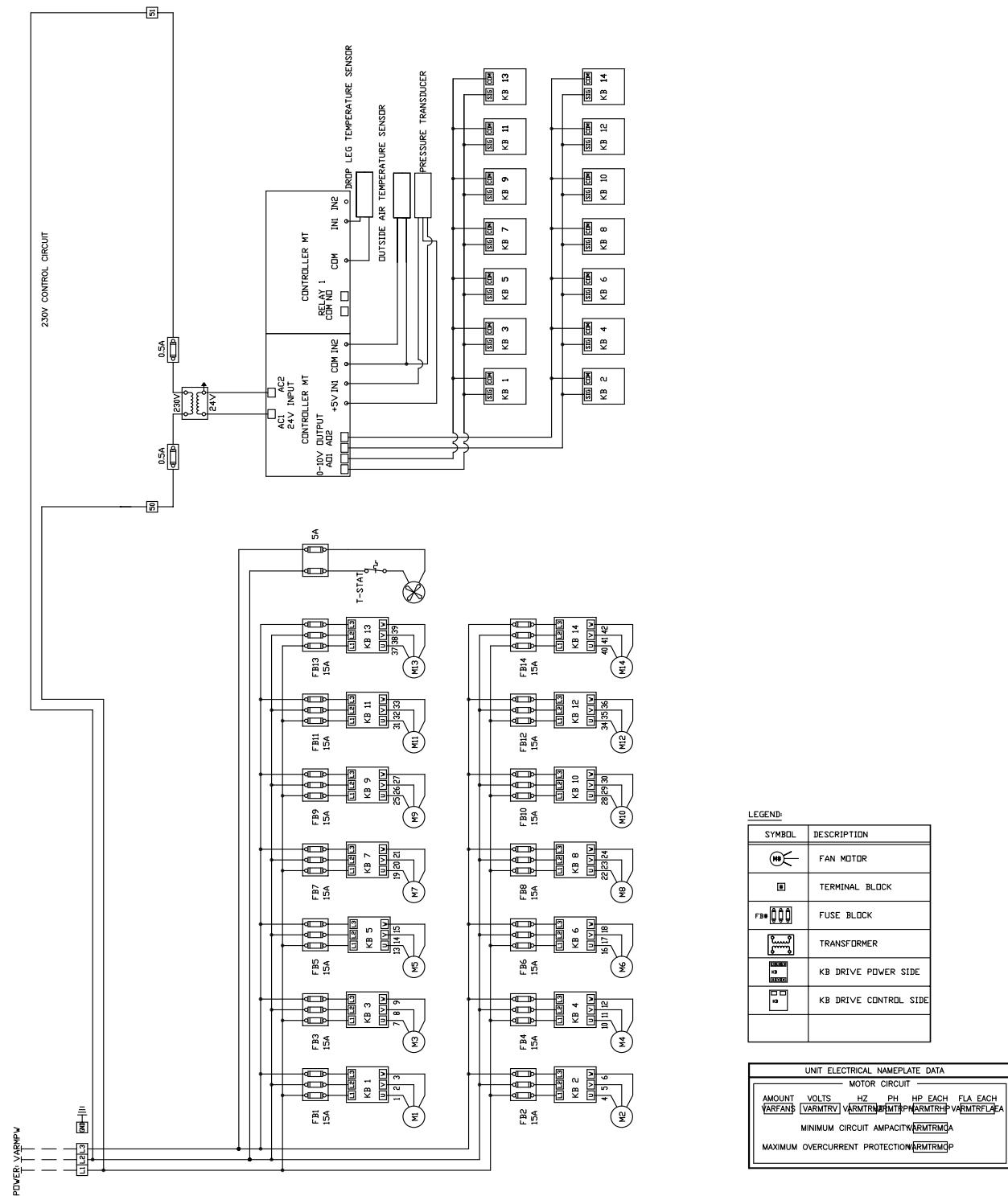
**FAN MOTORS CYCLING
WITH FUSES AND CONTACTORS IN PAIRS (-311)**



Leviton II Air-Cooled Condenser

Example Wiring Diagrams

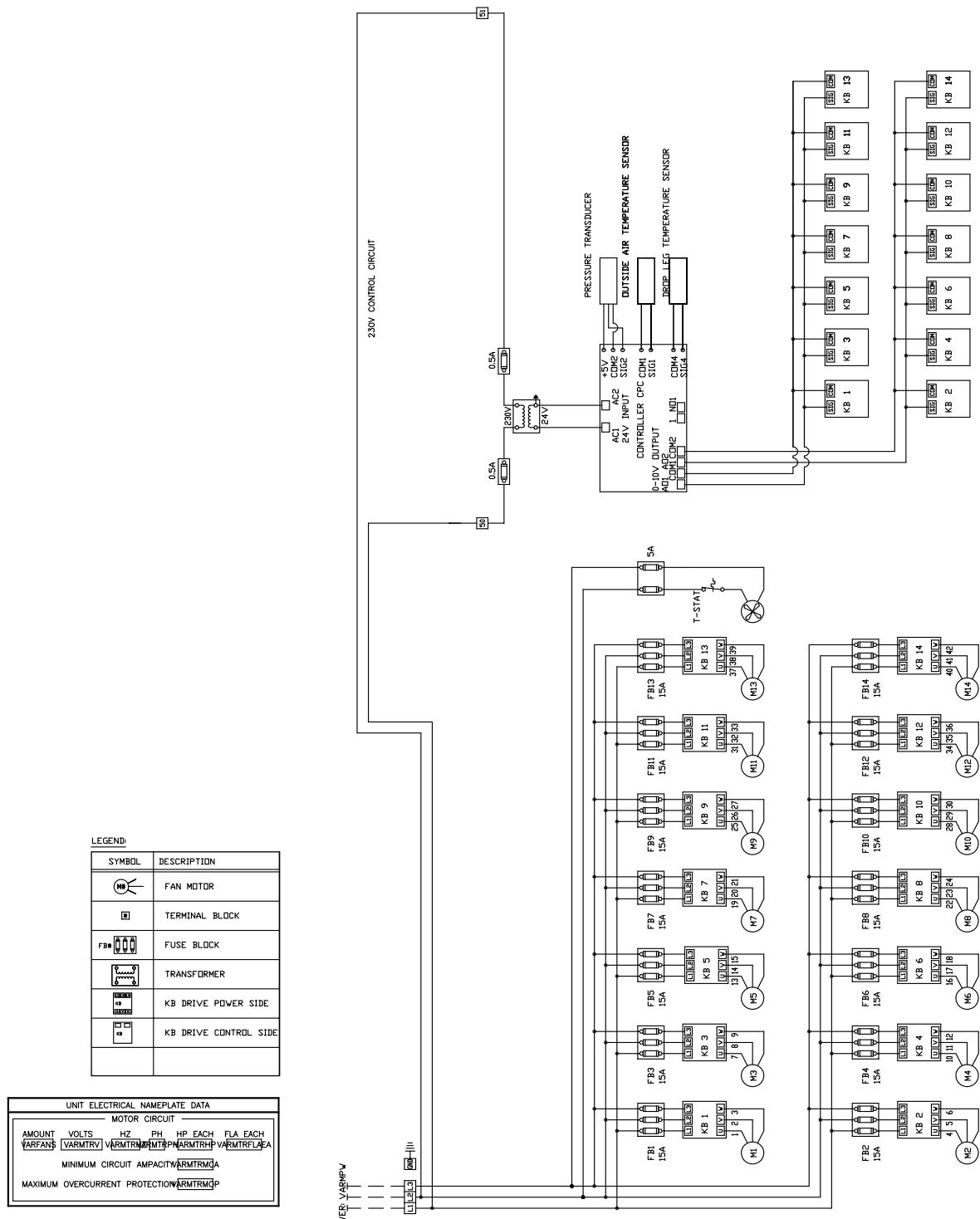
**K MOTOR VSPEED VARIABLE SPEED FAN CONTROL WITH INDIVIDUAL FAN FUSING (-461)
AND MICROTHERMO CONTROL BOARD (MTH OR MTH1) FOR COMPLETE NOMENCLATURE (MTH NCA461)**



Levitor II Air-Cooled Condenser

Example Wiring Diagrams

**K MOTOR VSPEED VARIABLE SPEED FAN CONTROL WITH INDIVIDUAL FAN FUSING (-461)
AND CPC CONTROL BOARD (CPC2) FOR COMPLETE NOMENCLATURE (CPC2 NCA461)**



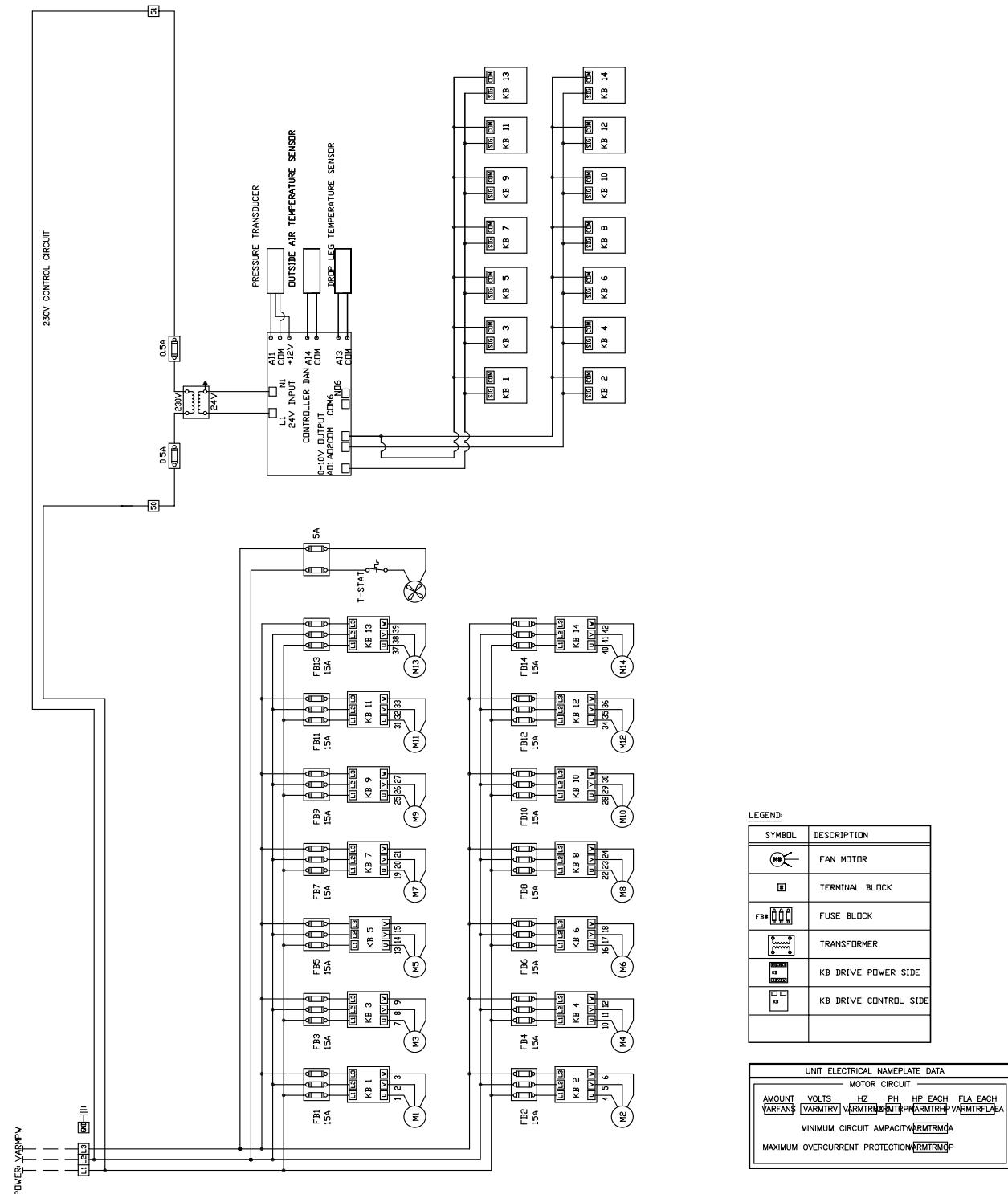
LEVITOR II AIR-COOLED CONDENSER

Specifications subject to change without notice.

Leviton II Air-Cooled Condenser

Example Wiring Diagrams

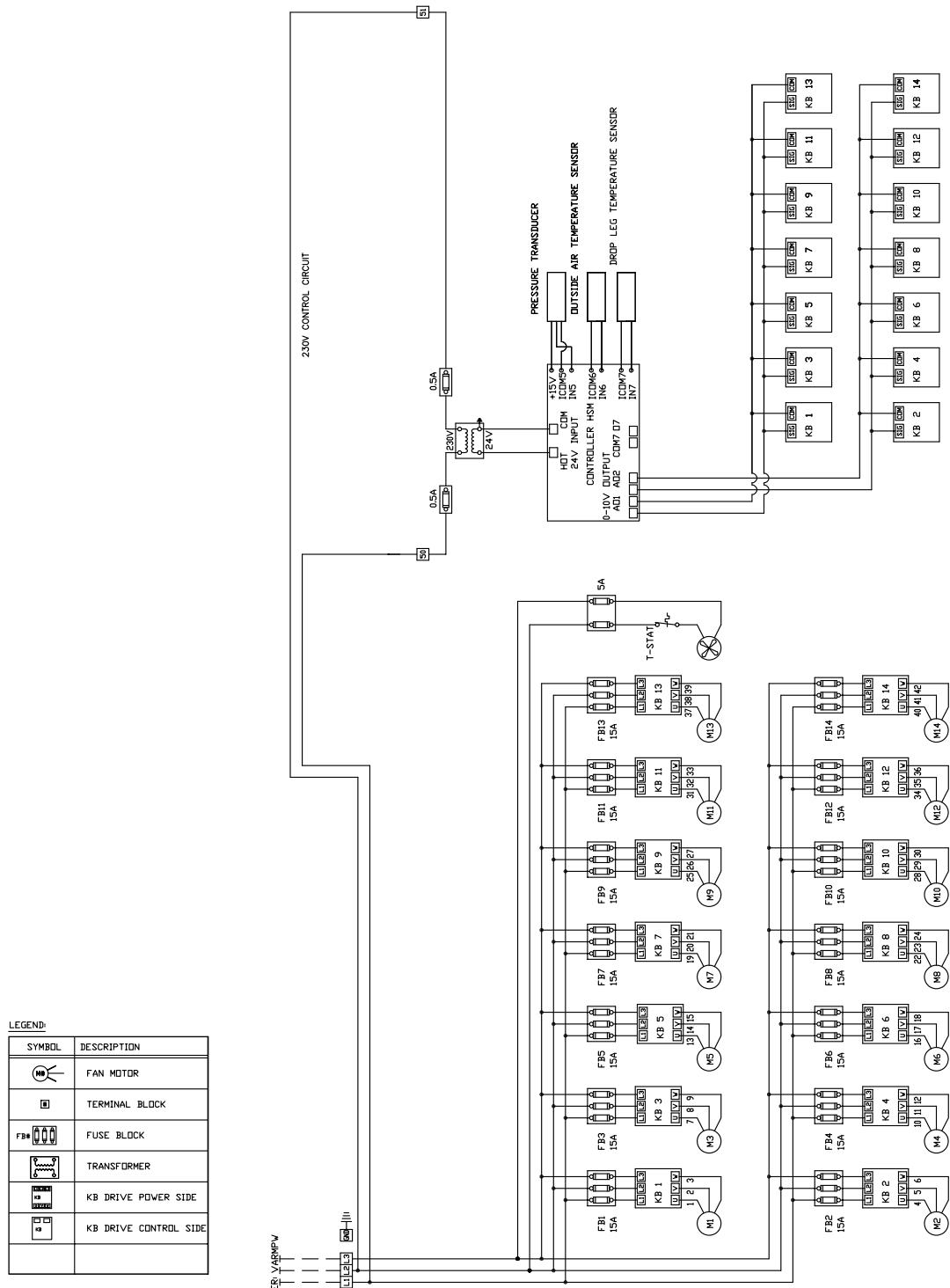
K MOTOR VSPEED VARIABLE SPEED FAN CONTROL WITH INDIVIDUAL FAN FUSING (-461)
AND DANFOSS CONTROL BOARD (DAN) FOR COMPLETE NOMENCLATURE (DAN NCA461)



Leviton II Air-Cooled Condenser

Example Wiring Diagrams

K MOTOR VSPEED VARIABLE SPEED FAN CONTROL WITH INDIVIDUAL FAN FUSING (-461)
AND HUSSMANN CONTROL BOARD (HSM) FOR COMPLETE NOMENCLATURE (HSM NCA461)



Leviton II Air-Cooled Condenser

Notes

LEVITOR II AIR COOLED CONDENSER

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