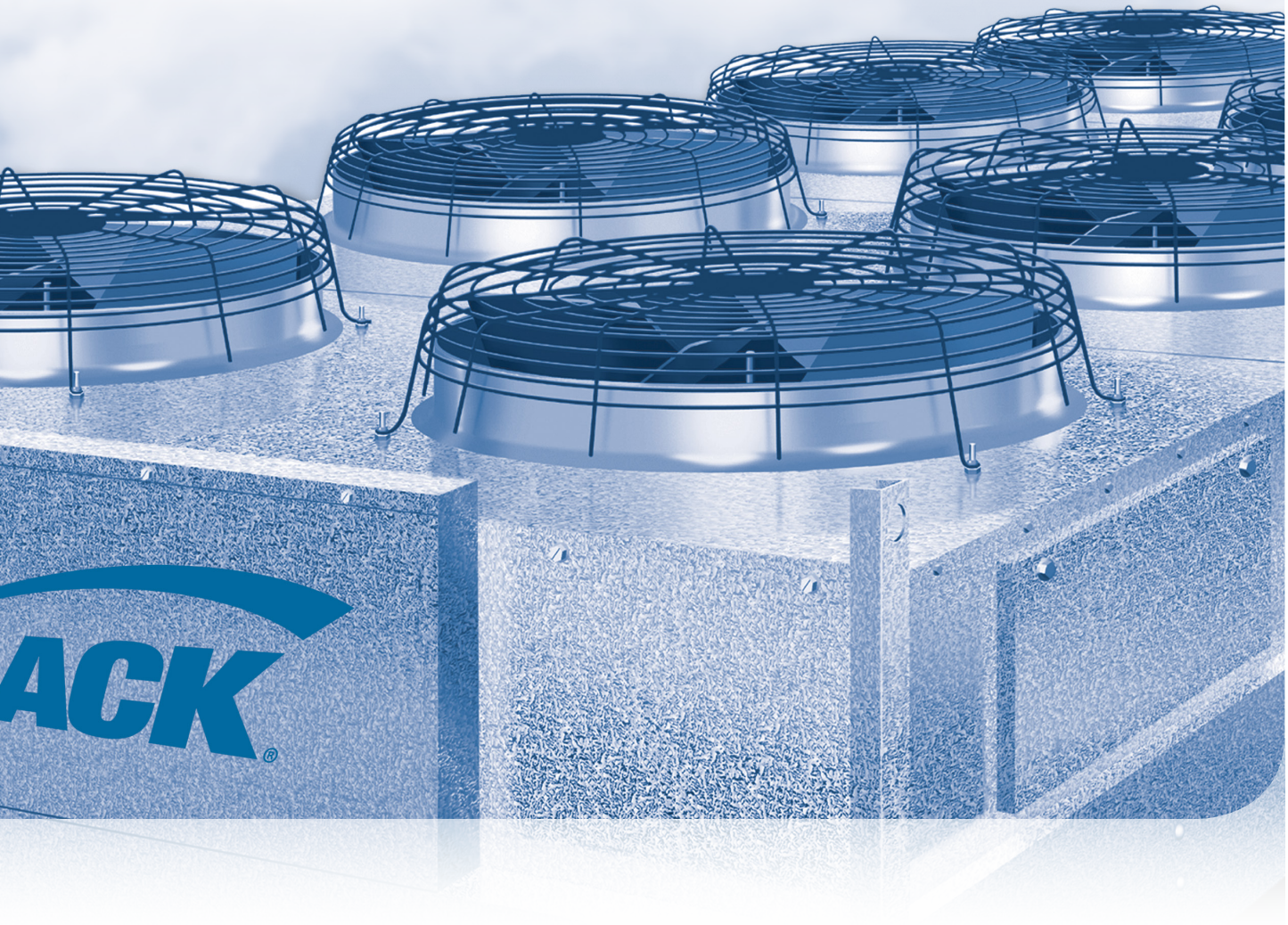
Levitor II

AIR-COOLED CONDENSER

Datasheet



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.

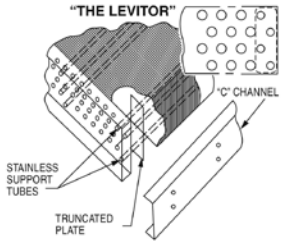
See **Electrical Motor Data Tables** on pages 13 - 15.

Specifications subject to change without notice.

Levitor II Air-Cooled Condenser

(Available for Fluid Cooler Applications)

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 inleaks, 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 not 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 Quietor 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.
- Quietor 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.
- Standard phase monitor protects the fan motors from potential phase loss/imbalance in the power supply, ensuring increased reliability and a long life.

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

c UL us LISTED

Specifications subject to change without notice.

Levitor II Air-Cooled Condenser

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 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 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 3

ALTITUDE FEET	FACTOR	FEET	FACTOR
1,000	1.02	5,000	1.12
2,000	1.05	6,000	1.15
3,000	1.07	7,000	1.17
4,000	1.10	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	REF	DESIGN TD °F	SAT SUCT °F	SAT COND °F	COMPRESSOR RATING NET BTU/H	MOTOR kW	BTU	TOTAL BTU/H	BASED ON R-404A AT 15° FTD REF FACTOR		TD FACTOR		SELECT THR	CAP PER CIRCUIT	CIRCUIT REQ'D	# CIR	SYSTEM NUMBER L TO R	ACTUAL TD °F
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
									UNIT THR REQ'D				426304			34		

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.

REF FACTOR R-404A Baseline	
R-404A	1.00
R-22	1.02
R-134a	0.97
R-410A	1.02

REF FACTOR R-407A Baseline	
R-407A	1.00
R-407C	0.98
R-448A / R-449A	1.00

TD FACTOR
10°F - 1.50
15°F - 1.00
20°F - 0.75
25°F - 0.60

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 Data Table** on page 13.

Levitor II Air-Cooled Condenser

Model Key

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. Gravity dampers should not be used with K motor applications.
** 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
R513A	See R-404A / R-507A Chart	1.10	1.05

Levitor II Air-Cooled Condenser

LAVF/LAVK Performance Data

(1.5 HP - 1140 RPM)

ONE FAN WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH) R-404A, R-507A TEMPERATURE DIFFERENCE 10° F	15° F	20° F	25° F	R-407A, R-448A / R-449A TEMPERATURE DIFFERENCE 10° F	15° F	20° F	25° F	AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS) SUMMER	WINTER	EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)
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 BTU/H / 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 0-10 V control signal to meet the regulation. Gravity dampers should not be used with K motor applications.

Levitor II Air-Cooled Condenser

LAVF/LAVK Performance Data

(1.5 HP - 1140 RPM)

TWO FANS WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH) R-404A, R-507A TEMPERATURE DIFFERENCE 10° F	15° F	20° F	25° F	R-407A, R-448A / R-449A TEMPERATURE DIFFERENCE 10° F	15° F	20° F	25° F	AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS) SUMMER	WINTER	EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)
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 BTU/H / 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 0-10 V control signal to meet the regulation. Gravity dampers should not be used with K motor applications.

Specifications subject to change without notice.

Levitor II Air-Cooled Condenser

LAVE Performance Data

(0.5 HP - 575 RPM)

ONE FAN WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH) R-404A, R-507A TEMPERATURE DIFFERENCE 10° F	15° F	20° F	25° F	R-407A, R-448A / R-449A TEMPERATURE DIFFERENCE 10° F	15° F	20° F	25° F	AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS) SUMMER	WINTER	EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)
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

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 BTU/H / 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 0-10 V control signal to meet the regulation.

Levitor II Air-Cooled Condenser

LAVE Performance Data

(0.5 HP - 575 RPM)

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									
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE									
MODEL	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

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 BTU/H / 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 0-10 V control signal to meet the regulation.

Specifications subject to change without notice.

Levitor II Air-Cooled Condenser

LAVA Performance Data

(1 HP - 850 RPM)

ONE FAN WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH) R-404A, R-507A TEMPERATURE DIFFERENCE 10°F	15°F	20°F	25°F	R-407A, R-448A / R-449A TEMPERATURE DIFFERENCE 10°F	15°F	20°F	25°F	AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS) SUMMER	WINTER	EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)
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 BTU/H / 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 0-10 V control signal to meet the regulation.

Levitor II Air-Cooled Condenser

LAVA Performance Data

(1 HP - 850 RPM)

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									
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE									
MODEL	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 BTU/H / 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 0-10 V control signal to meet the regulation.

Specifications subject to change without notice.

Levitor II Air-Cooled Condenser

LAVC Performance Data

(1.5 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 TEMPERATURE DIFFERENCE				R-407A, R-448A / R-449A TEMPERATURE DIFFERENCE									
	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
LEVC-16308	369.2	553.8	738.4	923.0	359.7	539.5	719.3	899.1	60954	No	65	266	73	2554
LEVC-16310	414.5	621.7	828.9	1036.2	412.8	619.2	825.6	1032.0	58710	No	65	266	73	2573
LEVC-16312	454.9	682.4	909.8	1137.3	455.4	683.1	910.8	1138.5	56646	No	65	266	73	2610
LEVC-16408	432.3	648.5	864.6	1080.8	433.8	650.8	867.7	1084.6	56694	No	84	354	73	2784
LEVC-16410	480.2	720.3	960.3	1200.4	485.0	727.6	970.1	1212.6	54186	Compliant	84	354	73	2808
LEVC-16412	510.0	765.0	1019.9	1274.9	526.3	789.4	1052.6	1315.7	51960	No	84	354	73	2858
LEVC-17308	430.7	646.1	861.4	1076.8	419.6	629.4	839.2	1049.0	71113	Compliant	76	310	74	3020
LEVC-17310	483.5	725.3	967.1	1208.9	481.6	722.4	963.2	1203.9	68495	Compliant	76	310	74	3042
LEVC-17312	530.7	796.1	1061.5	1326.9	531.3	797.0	1062.6	1328.3	66087	No	76	310	74	3088
LEVC-17408	504.4	756.6	1008.8	1260.9	506.2	759.2	1012.3	1265.4	66143	Compliant	98	413	74	3279
LEVC-17410	560.2	840.3	1120.4	1400.5	565.9	848.8	1131.8	1414.7	63217	Compliant	98	413	74	3307
LEVC-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 BTU/H / 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 0-10 V control signal to meet the regulation.

Levitor II Air-Cooled Condenser

LAVC Performance Data

(1.5 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 TEMPERATURE DIFFERENCE				R-407A, R-448A / R-449A TEMPERATURE DIFFERENCE						SUMMER	WINTER		
	10° F	15° F	20° F	25° F	10° F	15° F	20° F	25° F						
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 BTU/H / 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 0-10 V control signal to meet the regulation.

Specifications subject to change without notice.

Electrical Motor Data

MOTOR TYPE A - 1 HP 850 RPM *(FLA, MCA MOP)*

	K - 230/3/60				U - 380/3/50				M - 460/3/60				P - 575/3/60			
MODEL	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP
1X1	4.8	7.8	9.0	15.0	2.3	4.3	4.9	15.0	2.4	3.9	4.5	15.0	1.8	3.0	3.5	15.0
1X2	9.6	12.6	13.8	20.0	4.6	6.6	7.2	15.0	4.8	6.3	6.9	15.0	3.6	4.8	5.3	15.0
1X3	14.4	17.4	18.6	25.0	6.9	8.9	9.5	15.0	7.2	8.7	9.3	15.0	5.4	6.6	7.1	15.0
1X4	19.2	22.2	23.4	30.0	9.2	11.2	11.8	15.0	9.6	11.1	11.7	15.0	7.2	8.4	8.9	15.0
1X5	24.0	27.0	28.2	35.0	11.5	13.5	14.1	20.0	12.0	13.5	14.1	20.0	9.0	10.2	10.7	15.0
1X6	28.8	31.8	33.0	40.0	13.8	15.8	16.4	20.0	14.4	15.9	16.5	20.0	10.8	12.0	12.5	15.0
1X7	33.6	36.6	37.8	50.0	16.1	18.1	18.7	25.0	16.8	18.3	18.9	25.0	12.6	13.8	14.3	20.0
2X2	19.2	22.2	23.4	30.0	9.2	11.2	11.8	15.0	9.6	11.1	11.7	15.0	7.2	8.4	8.9	15.0
2X3	28.8	31.8	33.0	40.0	13.8	15.8	16.4	20.0	14.4	15.9	16.5	20.0	10.8	12.0	12.5	15.0
2X4	38.4	41.4	42.6	60.0	18.4	20.4	21.0	30.0	19.2	20.7	21.3	30.0	14.4	15.6	16.1	20.0
2X5	48.0	51.0	52.2	70.0	23.0	25.0	25.6	35.0	24.0	25.5	26.1	35.0	18.0	19.2	19.7	25.0
2X6	57.6	60.6	61.8	80.0	27.6	29.6	30.2	40.0	28.8	30.3	30.9	40.0	21.6	22.8	23.3	30.0
2X7	67.2	70.2	71.4	90.0	32.2	34.2	34.8	45.0	33.6	35.1	35.7	45.0	25.2	26.4	26.9	35.0

MOTOR TYPE B - 0.5 HP 1140 RPM *(FLA, MCA MOP)*

	K - 230/3/60				M - 460/3/60				P - 575/3/60				A - 230/1/60			
MODEL	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP
1X1	2.5	5.5	6.1	15.0	1.3	2.8	3.1	15.0	1.0	2.2	2.5	15.0	4.2	7.2	8.3	15.0
1X2	5.0	8.0	8.6	15.0	2.6	4.1	4.4	15.0	2.0	3.2	3.5	15.0	8.4	11.4	12.5	15.0
1X3	7.5	10.5	11.1	15.0	3.9	5.4	5.7	15.0	3.0	4.2	4.5	15.0	12.6	15.6	16.7	20.0
1X4	10.0	13.0	13.6	20.0	5.2	6.7	7.0	15.0	4.0	5.2	5.5	15.0	16.8	19.8	20.9	25.0
1X5	12.5	15.5	16.1	20.0	6.5	8.0	8.3	15.0	5.0	6.2	6.5	15.0	21.0	24.0	25.1	30.0
1X6	15.0	18.0	18.6	25.0	7.8	9.3	9.6	15.0	6.0	7.2	7.5	15.0	25.2	28.2	29.3	40.0
1X7	17.5	20.5	21.1	30.0	9.1	10.6	10.9	15.0	7.0	8.2	8.5	15.0	29.4	32.4	33.5	45.0
2X2	10.0	13.0	13.6	20.0	5.2	6.7	7.0	15.0	4.0	5.2	5.5	15.0	16.8	19.8	20.9	25.0
2X3	15.0	18.0	18.6	25.0	7.8	9.3	9.6	15.0	6.0	7.2	7.5	15.0	25.2	28.2	29.3	40.0
2X4	20.0	23.0	23.6	30.0	10.4	11.9	12.2	15.0	8.0	9.2	9.5	15.0	33.6	36.6	37.7	50.0
2X5	25.0	28.0	28.6	35.0	13.0	14.5	14.8	20.0	10.0	11.2	11.5	15.0	42.0	45.0	46.1	60.0
2X6	30.0	33.0	33.6	45.0	15.6	17.1	17.4	25.0	12.0	13.2	13.5	20.0	50.4	53.4	54.5	70.0
2X7	35.0	38.0	38.6	50.0	18.2	19.7	20.0	25.0	14.0	15.2	15.5	20.0	58.8	61.8	62.9	80.0

Notes:
- Condenser Fan FLA for VFD Sizing
- Unit FLA - Number of Fans X FLA of Fan Motors + Control Circuit Amps*
- Minimum Unit Circuit Amps - 1.25 x FLA of One Motor + FLA of All Remaining Motors + (voltage-specific) Control Circuit Amps*
- Maximum Unit Overland Protection - 2.25 x FLA of One Motor + FLA of All Remaining Motors + (voltage-specific) Control Circuit Amps* (Round Down to Next Standard Breaker)

* Control Circuit amps are:
- 208-230/3/60 – 3.0 Amps
- 460/3/60 – 1.5 Amps
- 575/3/60 – 1.2 Amps
- 380/3/50 and 60 – 2.0 Amps

Levitor II Air-Cooled Condenser

Electrical Motor Data

MOTOR TYPE C - 1.5 HP 850 RPM *(FLA, MCA MOP)*

	K - 230/3/60				U - 380/3/50				M - 460/3/60				P - 575/3/60			
MODEL	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP
1X1	6.9	9.9	11.6	15.0	2.9	4.9	5.6	15.0	3.3	4.8	5.6	15.0	2.5	3.7	4.3	15.0
1X2	13.8	16.8	18.5	25.0	5.8	7.8	8.5	15.0	6.6	8.1	8.9	15.0	5.0	6.2	6.8	15.0
1X3	20.7	23.7	25.4	30.0	8.7	10.7	11.4	15.0	9.9	11.4	12.2	15.0	7.5	8.7	9.3	15.0
1X4	27.6	30.6	32.3	40.0	11.6	13.6	14.3	20.0	13.2	14.7	15.5	20.0	10.0	11.2	11.8	15.0
1X5	34.5	37.5	39.2	50.0	14.5	16.5	17.2	25.0	16.5	18.0	18.8	25.0	12.5	13.7	14.3	20.0
1X6	41.4	44.4	46.1	60.0	17.4	19.4	20.1	25.0	19.8	21.3	22.1	30.0	15.0	16.2	16.8	25.0
1X7	48.3	51.3	53.0	70.0	20.3	22.3	23.0	30.0	23.1	24.6	25.4	35.0	17.5	18.7	19.3	25.0
2X2	27.6	30.6	32.3	40.0	11.6	13.6	14.3	20.0	13.2	14.7	15.5	20.0	10.0	11.2	11.8	15.0
2X3	41.4	44.4	46.1	60.0	17.4	19.4	20.1	25.0	19.8	21.3	22.1	30.0	15.0	16.2	16.8	25.0
2X4	55.2	58.2	59.9	80.0	23.2	25.2	25.9	35.0	26.4	27.9	28.7	35.0	20.0	21.2	21.8	30.0
2X5	69.0	72.0	73.7	90.0	29.0	31.0	31.7	40.0	33.0	34.5	35.3	45.0	25.0	26.2	26.8	35.0
2X6	82.8	85.8	87.5	110.0	34.8	36.8	37.5	50.0	39.6	41.1	41.9	60.0	30.0	31.2	31.8	40.0
2X7	96.6	99.6	101.3	125.0	40.6	42.6	43.3	60.0	46.2	47.7	48.5	60.0	35.0	36.2	36.8	50.0

MOTOR TYPE E - 0.5 HP 575 RPM *(FLA, MCA MOP)*

	K - 230/3/60				U - 380/3/50				M - 460/3/60				P - 575/3/60			
MODEL	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP
1X1	3.4	6.4	7.3	15.0	1.4	3.4	3.8	15.0	1.6	3.1	3.5	15.0	1.5	2.7	3.1	15.0
1X2	6.8	9.8	10.7	15.0	2.8	4.8	5.2	15.0	3.2	4.7	5.1	15.0	3.0	4.2	4.6	15.0
1X3	10.2	13.2	14.1	20.0	4.2	6.2	6.6	15.0	4.8	6.3	6.7	15.0	4.5	5.7	6.1	15.0
1X4	13.6	16.6	17.5	25.0	5.6	7.6	8.0	15.0	6.4	7.9	8.3	15.0	6.0	7.2	7.6	15.0
1X5	17.0	20.0	20.9	25.0	7.0	9.0	9.4	15.0	8.0	9.5	9.9	15.0	7.5	8.7	9.1	15.0
1X6	20.4	23.4	24.3	30.0	8.4	10.4	10.8	15.0	9.6	11.1	11.5	15.0	9.0	10.2	10.6	15.0
1X7	23.8	26.8	27.7	35.0	9.8	11.8	12.2	15.0	11.2	12.7	13.1	20.0	10.5	11.7	12.1	15.0
2X2	13.6	16.6	17.5	25.0	5.6	7.6	8.0	15.0	6.4	7.9	8.3	15.0	6.0	7.2	7.6	15.0
2X3	20.4	23.4	24.3	30.0	8.4	10.4	10.8	15.0	9.6	11.1	11.5	15.0	9.0	10.2	10.6	15.0
2X4	27.2	30.2	31.1	40.0	11.2	13.2	13.6	20.0	12.8	14.3	14.7	20.0	12.0	13.2	13.6	20.0
2X5	34.0	37.0	37.9	50.0	14.0	16.0	16.4	20.0	16.0	17.5	17.9	25.0	15.0	16.2	16.6	20.0
2X6	40.8	43.8	44.7	60.0	16.8	18.8	19.2	25.0	19.2	20.7	21.1	30.0	18.0	19.2	19.6	25.0
2X7	47.6	50.6	51.5	70.0	19.6	21.6	22.0	30.0	22.4	23.9	24.3	30.0	21.0	22.2	22.6	30.0

Notes:
- Condenser Fan FLA for VFD Sizing
- Unit FLA - Number of Fans X FLA of Fan Motors + Control Circuit Amps*
- Minimum Unit Circuit Amps - 1.25 x FLA of One Motor + FLA of All Remaining Motors + (voltage-specific) Control Circuit Amps*
- Maximum Unit Overland Protection - 2.25 x FLA of One Motor + FLA of All Remaining Motors + (voltage-specific) Control Circuit Amps* (Round Down to Next Standard Breaker)

* Control Circuit amps are:
  - 208-230/3/60 – 3.0 Amps
  - 460/3/60 – 1.5 Amps
  - 575/3/60 – 1.2 Amps
  - 380/3/50 and 60 – 2.0 Amps

Electrical Motor Data

MOTOR TYPE F - 1.5 HP 1140 RPM *(FLA, MCA MOP)*

	K - 230/3/60				U - 380/3/50				M - 460/3/60				P - 575/3/60				L - 380/3/60			
MODEL	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP
1X1	5.4	8.4	9.8	15.0	2.1	4.1	4.6	15.0	2.5	4.0	4.6	15.0	2.5	3.7	4.3	15.0	3.0	5.0	5.8	15.0
1X2	10.8	13.8	15.2	20.0	4.2	6.2	6.7	15.0	5.0	6.5	7.1	15.0	5.0	6.2	6.8	15.0	6.0	8.0	8.8	15.0
1X3	16.2	19.2	20.6	25.0	6.3	8.3	8.8	15.0	7.5	9.0	9.6	15.0	7.5	8.7	9.3	15.0	9.0	11.0	11.8	15.0
1X4	21.6	24.6	26.0	35.0	8.4	10.4	10.9	15.0	10.0	11.5	12.1	15.0	10.0	11.2	11.8	15.0	12.0	14.0	14.8	20.0
1X5	27.0	30.0	31.4	40.0	10.5	12.5	13.0	20.0	12.5	14.0	14.6	20.0	12.5	13.7	14.3	20.0	15.0	17.0	17.8	25.0
1X6	32.4	35.4	36.8	45.0	12.6	14.6	15.1	20.0	15.0	16.5	17.1	25.0	15.0	16.2	16.8	25.0	18.0	20.0	20.8	30.0
1X7	37.8	40.8	42.2	60.0	14.7	16.7	17.2	25.0	17.5	19.0	19.6	25.0	17.5	18.7	19.3	25.0	21.0	23.0	23.8	30.0
2X2	21.6	24.6	26.0	35.0	8.4	10.4	10.9	15.0	10.0	11.5	12.1	15.0	10.0	11.2	11.8	15.0	12.0	14.0	14.8	20.0
2X3	32.4	35.4	36.8	45.0	12.6	14.6	15.1	20.0	15.0	16.5	17.1	25.0	15.0	16.2	16.8	25.0	18.0	20.0	20.8	30.0
2X4	43.2	46.2	47.6	60.0	16.8	18.8	19.3	25.0	20.0	21.5	22.1	30.0	20.0	21.2	21.8	30.0	24.0	26.0	26.8	35.0
2X5	54.0	57.0	58.4	80.0	21.0	23.0	23.5	30.0	25.0	26.5	27.1	35.0	25.0	26.2	26.8	35.0	30.0	32.0	32.8	45.0
2X6	64.8	67.8	69.2	90.0	25.2	27.2	27.7	35.0	30.0	31.5	32.1	40.0	30.0	31.2	31.8	40.0	36.0	38.0	38.8	50.0
2X7	75.6	78.6	80.0	100.0	29.4	31.4	31.9	40.0	35.0	36.5	37.1	50.0	35.0	36.2	36.8	50.0	42.0	44.0	44.8	60.0

MOTOR TYPE K - 1.5 HP 1140 RPM *(FLA, MCA MOP)*

	K - 230/3/60				M - 460/3/60			
MODEL	FAN FLA	UNIT FLA	MCA	MOP	FAN FLA	UNIT FLA	MCA	MOP
1X1	5.4	8.4	9.8	15.0	3.0	4.5	5.3	15.0
1X2	10.8	13.8	15.2	20.0	6.0	7.5	8.3	15.0
1X3	16.2	19.2	20.6	25.0	9.0	10.5	11.3	15.0
1X4	21.6	24.6	26.0	35.0	12.0	13.5	14.3	20.0
1X5	27.0	30.0	31.4	40.0	15.0	16.5	17.3	25.0
1X6	32.4	35.4	36.8	45.0	18.0	19.5	20.3	25.0
1X7	37.8	40.8	42.2	60.0	21.0	22.5	23.3	30.0
2X2	21.6	24.6	26.0	35.0	12.0	13.5	14.3	20.0
2X3	32.4	35.4	36.8	45.0	18.0	19.5	20.3	25.0
2X4	43.2	46.2	47.6	60.0	24.0	25.5	26.3	35.0
2X5	54.0	57.0	58.4	80.0	30.0	31.5	32.3	40.0
2X6	64.8	67.8	69.2	90.0	36.0	37.5	38.3	50.0
2X7	75.6	78.6	80.0	100.0	42.0	43.5	44.3	60.0

Notes:
- Condenser Fan FLA for VFD Sizing
- Unit FLA - Number of Fans X FLA of Fan Motors + Control Circuit Amps*
- Minimum Unit Circuit Amps - 1.25 x FLA of One Motor + FLA of All Remaining Motors + (voltage-specific) Control Circuit Amps*
- Maximum Unit Overland Protection - 2.25 x FLA of One Motor + FLA of All Remaining Motors + (voltage-specific) Control Circuit Amps* (Round Down to Next Standard Breaker)

* Control Circuit amps are:
- 208-230/3/60 – 3.0 Amps
- 460/3/60 – 1.5 Amps
- 575/3/60 – 1.2 Amps
- 380/3/50 and 60 – 2.0 Amps

Levitor 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
11408	0.94	0.63	1.15	0.29	1.22	1.20
11410	0.96	0.63	1.17	0.29	1.24	1.22
11412	0.98	0.64	1.20	0.30	1.27	1.25

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

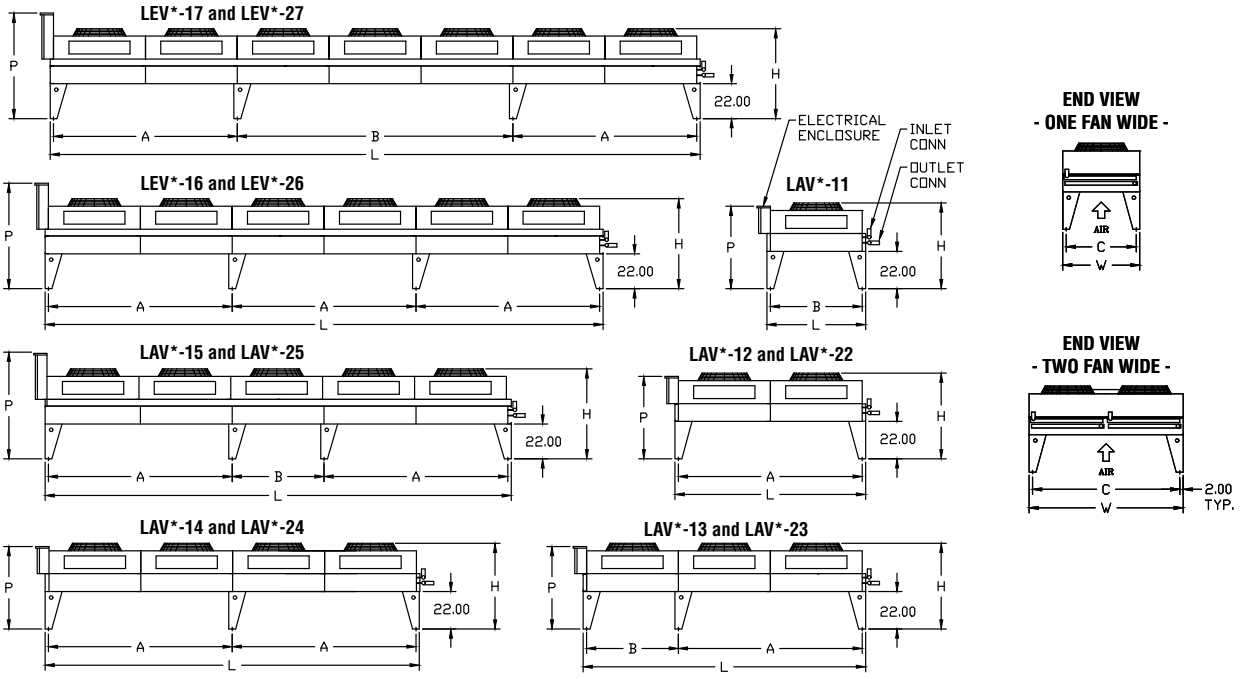
Note

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 Data Tables** on pages 13 - 15.

Dimensional Drawings



ONE FAN WIDE

	L	W	H	P	A	B	C	CONNECTIONS OD IN(1) INLET	OUTLET
LAV*-11***	58	45-1/4	54	49	-	54	41-1/4	1-3/8	1-3/8
LAV*-12***	112	45-1/4	54	49	108	-	41-1/4	1-5/8	1-5/8
LAV*-13***	166	45-1/4	54	49	108	54	41-1/4	2-1/8	2-1/8
LAV*-14***	220	45-1/4	54	49	108	-	41-1/4	2-1/8	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*-16***	328	45-1/4	58-1/2	65	108	-	41-1/4	2-5/8	2-5/8
LEV*-17***	382	45-1/4	58-1/2	65	108	162	41-1/4	2-5/8	2-5/8

TWO FANS WIDE

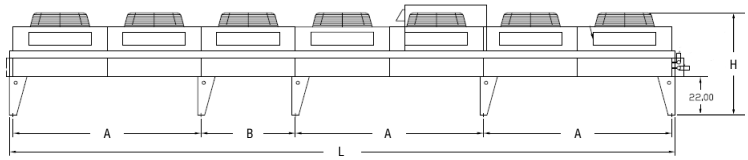
	L	W	H	P	A	B	C	CONNECTIONS OD IN(1) INLET	OUTLET
LAV*-22***	112	90-1/2	54	49	108	-	86-1/2	(2)1-5/8	(2)1-5/8
LAV*-23***	166	90-1/2	54	49	108	54	86-1/2	(2)2-1/8	(2)2-1/8
LAV*-24***	220	90-1/2	54	49	108	-	86-1/2	(2)2-1/8	(2)2-1/8
LAV*-25***	274	90-1/2	58-1/2	65	108	54	86-1/2	(2)2-1/8	(2)2-1/8
LEV*-26***	328	90-1/2	58-1/2	65	108	-	86-1/2	(2)2-5/8	(2)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

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.

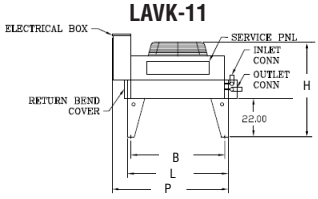
Levitor II Air-Cooled Condenser

Dimensional Drawings *(for K Fan Models)*

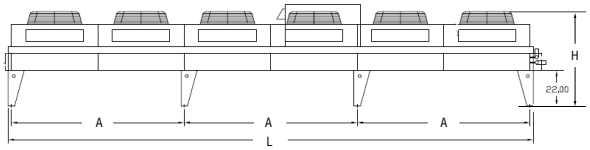
LEVK-17 and LEVK-27



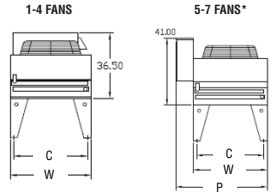
LAVK-11



LEVK-16 and LEVK-26

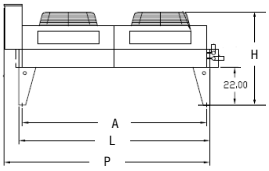


END VIEW
- ONE FAN WIDE -

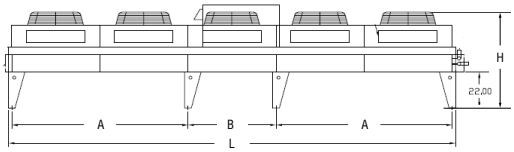


* 5-7 Fan Models have electrical panel on the side of the condenser increasing the width and requiring electrical clearance on the side. Panel is located on the LEFT side when facing the headers.

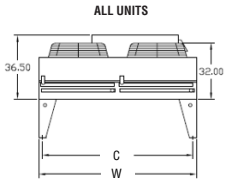
LAVK-12 and LAVK-22



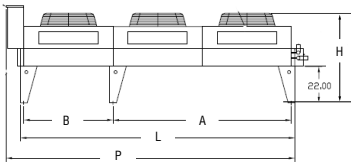
LAVK-15 and LAK-25



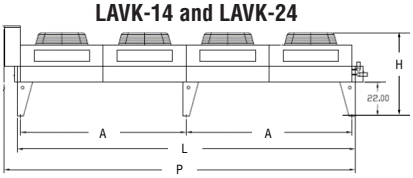
END VIEW
- TWO FAN WIDE -



LAVK-13 and LAVK-23



LAVK-14 and LAVK-24



ONE FAN WIDE

								CONNECTIONS OD IN(1)	
	L	W	H	P	A	B	C	INLET	OUTLET
LAVK-11***	58	45-1/4	54	66.75	-	54	41-1/4	1-3/8	1-3/8
LAVK-12***	112	45-1/4	54	120.75	108	-	41-1/4	1-5/8	1-5/8
LAVK-13***	166	45-1/4	54	174.75	108	54	41-1/4	2-1/8	2-1/8
LAVK-14***	220	45-1/4	54	228.75	108	-	41-1/4	2-1/8	2-1/8
LAVK-15***	274	45-1/4	58-1/2	56	108	54	41-1/4	2-1/8	2-1/8
LEVK-16***	328	45-1/4	58-1/2	56	108	-	41-1/4	2-5/8	2-5/8
LEVK-17***	382	45-1/4	58-1/2	56	108	162	41-1/4	2-5/8	2-5/8

TWO FANS WIDE

								CONNECTIONS OD IN(1)	
	L	W	H	P	A	B	C	INLET	OUTLET
--									
LAVK-22***	112	90-1/2	54	120.75	108	-	86-1/2	(2)1-5/8	(2)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-24***	220	90-1/2	54	228.75	108	-	86-1/2	(2)2-1/8	(2)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
LEVK-26***	328	90-1/2	58-1/2	56	108	-	86-1/2	(2)2-5/8	(2)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

Specifications subject to change without notice.

LAVB Performance Data

(0.5 HP - 1140 RPM)

ONE FAN WIDE

MODEL	TOTAL HEAT OF REJECTION (MBH) R-404A, R-507A TEMPERATURE DIFFERENCE 10° F	15° F	20° F	25° F	R-407A, R-448A / R-449A TEMPERATURE DIFFERENCE 10° F	15° F	20° F	25° F	AIR FLOW (CFM)	CEC TITLE 24 COMPLIANT	CONDENSER CHARGE R-404A (LBS) SUMMER	WINTER	EST SOUND 10' (dBA)	SHIP WEIGHT (LBS)
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 BTU/H / 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 0-10 V control signal to meet the regulation.

Specifications subject to change without notice.

Levitor II Air-Cooled Condenser

LAVB Performance Data

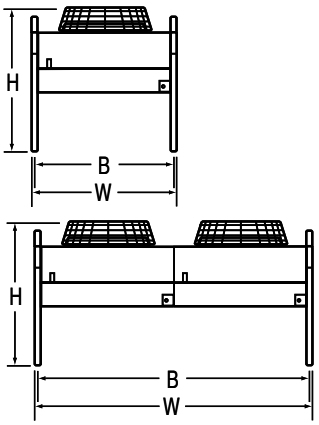
(0.5 HP - 1140 RPM)

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									
	TEMPERATURE DIFFERENCE				TEMPERATURE DIFFERENCE									
MODEL	10° F	15° F	20° F	25° F	10° F	15° F	20° F	25° F			SUMMER	WINTER		
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

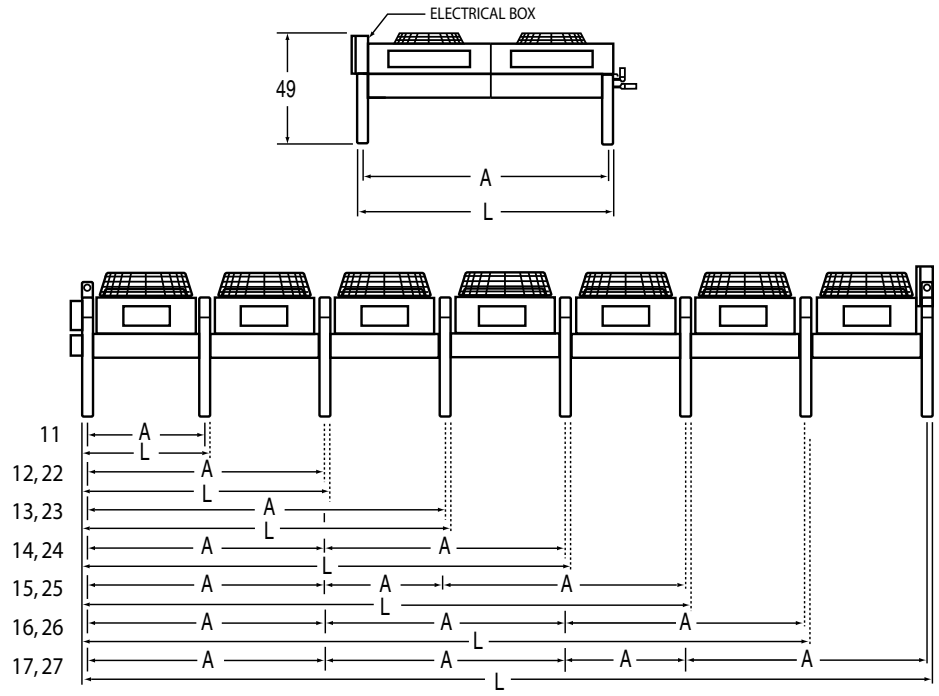
See NOTES on 50 Hz operation and TEMPERATURE DIFFERENCE on page 3. See Correction Factor Table for refrigerant charge on page 4. CEC TITLE 24 COMPLIANT indicates condenser meets the 65 BTU/H / watt efficiency requirement. To complete the TITLE 24 compliance, fan speed must vary requiring an additional 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 0-10 V control signal to meet the regulation.

Dimensional Drawings (for B Fan Models)

HEADER END VIEW



SIDE VIEWS



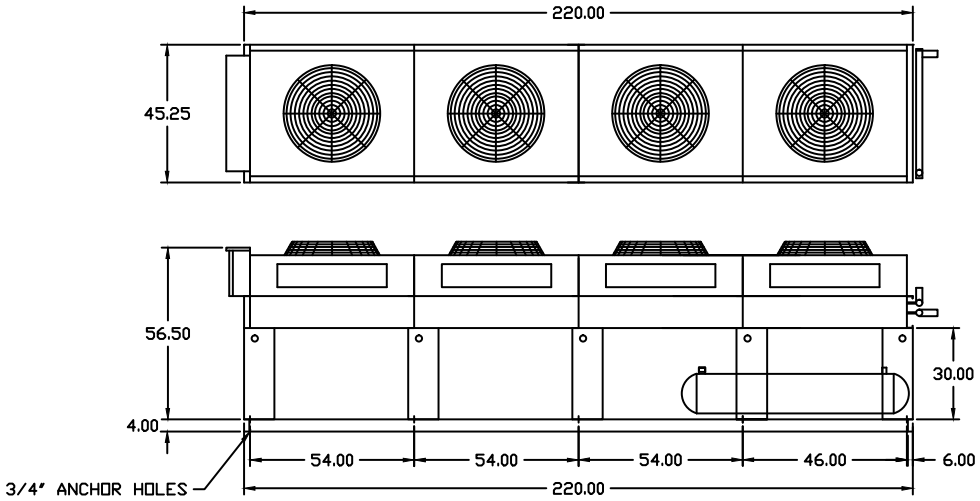
DIMENSIONAL DATA

						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

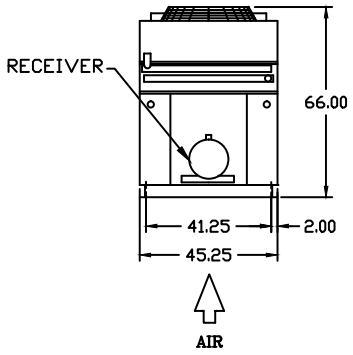
NOTE: Refer to pages 13 for B Motor Electrical Data.
*** Indicates Rows & FPI. 'H' value includes standard 18" legs.
(1) Connections are approximate. Exact size is determined by computerized circuiting program.

Levitor II Air-Cooled Condenser

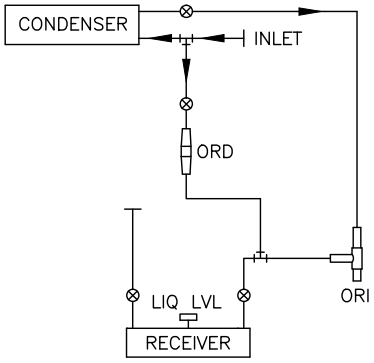
Mounted Receiver Diagram (One Receiver) - If Applicable



END VIEW

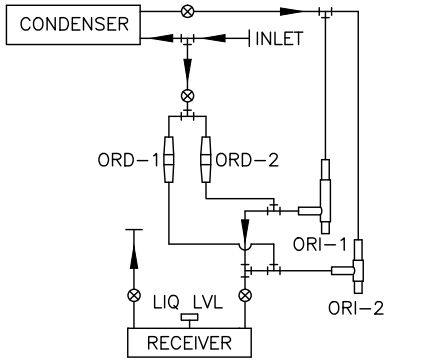


RECEIVER PIPING



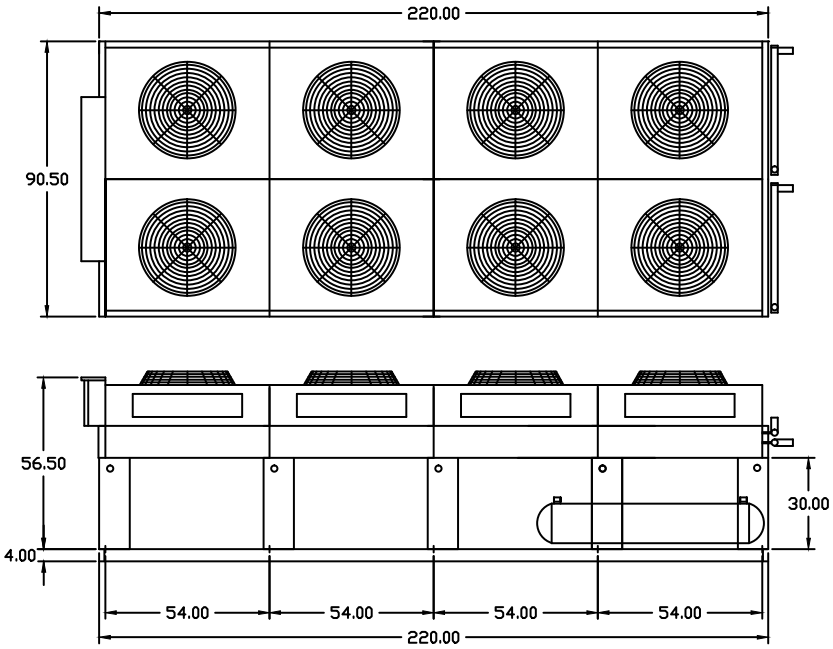
RECEIVER PIPING

DUAL ORI/ORD VALVES
REQUIRED FOR HIGHER CAPACITY MODELS

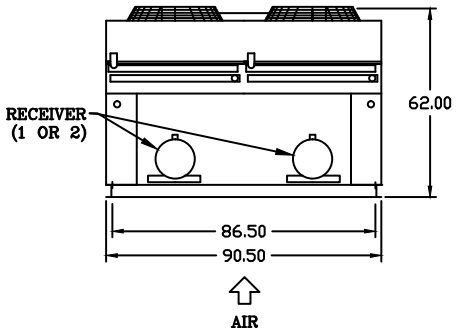


Specifications subject to change without notice.

Mounted Receiver Diagram (Two Receivers) - If Applicable

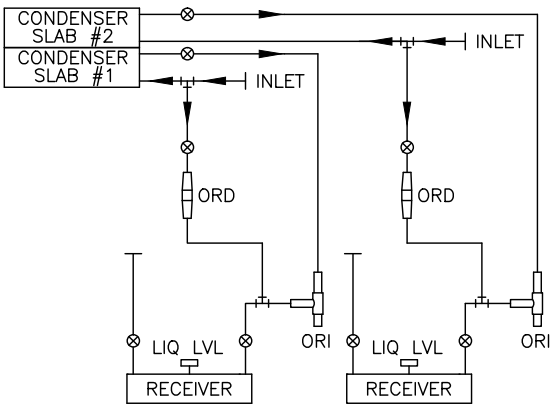


END VIEW



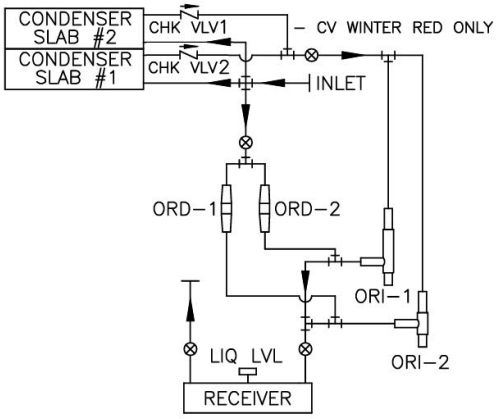
RECEIVER PIPING

– TWO RECEIVERS –



RECEIVER PIPING

– ONE RECEIVER –
DUAL ORI/ORD VALVES



Levitor II Air-Cooled Condenser

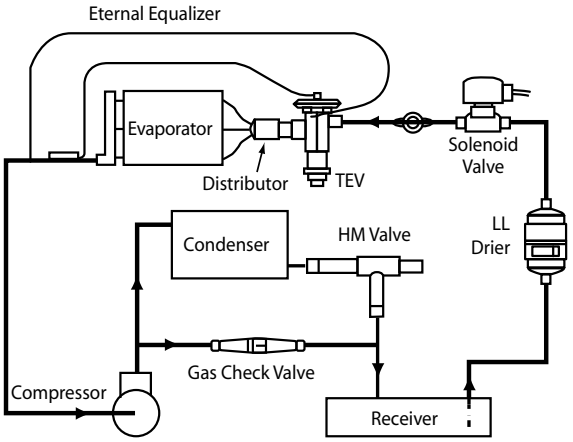
Low Ambient Controls *(Head Pressure Control System)*

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 pages 26 - 32).



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

Mounted Receivers

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)
A, B, C, E, F Motor
N - None
CPC - 8RO board
CPC1 - Multiflex 88
CPC2 - Multiflex 88AO
AKC - Danfoss 88 w/AKC-SC355/255
AKS - Danfoss 88 w/AKS-SM800
MTH - Microthermo 508
MTH1 - Microthermo 722F and 784A
NOV - Novar
K Motor***
N - None
CPC2 - Multiflex 88AO
HSM - HSM Controller
MTH1 - Microthermo 722F and 784A
DAN - Danfoss

BACKUP CONTROLLER
A, B, C, E, F Motor
NC - No Controls
PT - PressureControls
TF - Temperature Controls
TP - Temp. and Pressure Controls
PV - Pressure Controls w/ Variable Speed*
TV - Temp. Controls w/ Variable Speed*
VN - No Controls w/ Variable Speed*
K Motor***
KB - KB Drive
CD - Copeland Drive

CONTROL VOLTAGE
A, B, C, E, F Motor
A - 208/230 V
B - 115 V
C - No Control Voltage
D - 24 V
E** - 208/230 V w/o Transformer
F** - 115 V w/o Transformer
H** - 24 V w/o Transformer
K Motor***
A - 208/230 V
B - 115 V

RECEIVER OPTION
R - Factory Mounted Receiver (R-Heated or Non-Heated)
S - Standard No Receiver

AMBIENT AIR SENSOR FOR SPLIT
A, B, C, E, F Motor
T - Sensor Provided
N - Sensor Not Required
K Motor***
T - Sensor Provided
N - Sensor Not Required

TYPE OF APPLICATION
A, B, C, E, F Motor
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)
K Motor***
1 - Standard
2 - 50% Winter Reduction (Split Condenser)
3 - 50/50 Split Dual Panel (for Two Independent Slabs)

FUSES AND BREAKERS
A, B, C, E, F Motor
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
8 - High SCCR, Individual Fuses and Contactors
9 - High SCCR, Fuses and Contactors Per Pair of Fans
K Motor***
6 - Fuses Only per Motor

BACKUP CONTROL TYPE
A, B, C, E, F Motor
3 - Johnson Electric
4 - No Controls
K Motor***
4 - No Controls

* Variable Speed - Header End Fans only
** Without Transformer - Control Voltage from source outside of Condenser Control Panel
*** LEVITOR II MODELS LAVK / LEVK (1.5 HP, 1,140 RPM, BPM MOTOR, AND PANEL MOUNTED DRIVE)

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

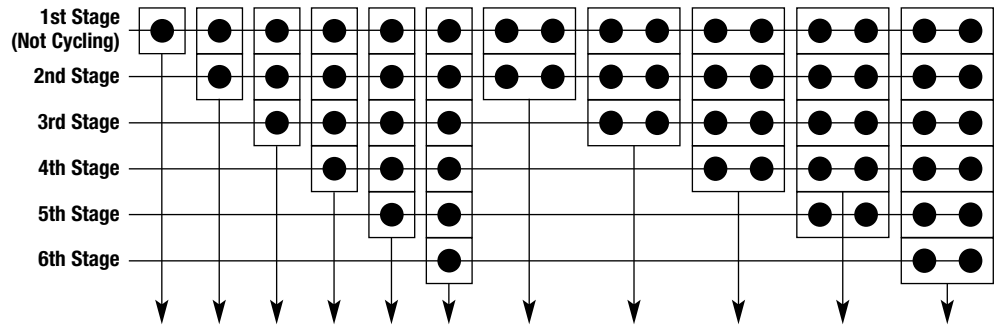
- Standard weather resistant enclosure is mounted on the opposite end of the unit when looking at the headers.
- Control power is 24, 115 or 230 volts. A transformer is factory installed when required.
- Fan contactor with branch circuit fuse protection. Each motor or bank of motors protected by fuses.
- 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



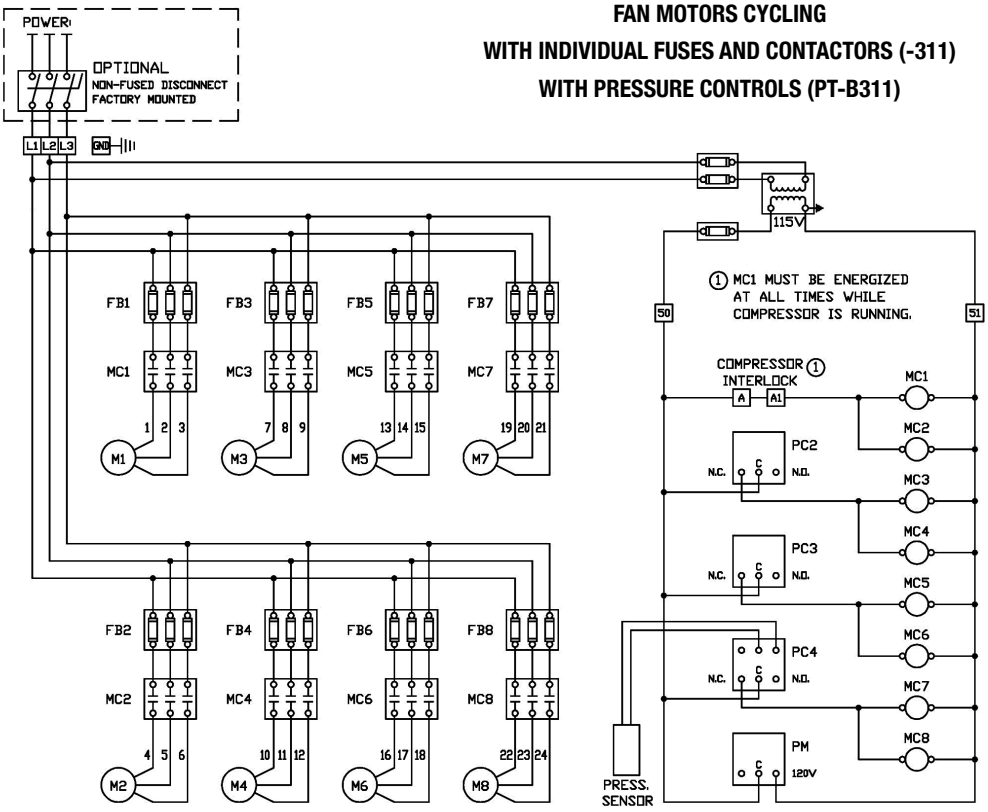
CAPACITY MULTIPLIER WITH HEADER FANS RUNNING	1.00	0.55	0.40	0.33	0.28	0.24	0.55	0.40	0.33	0.28	0.24

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

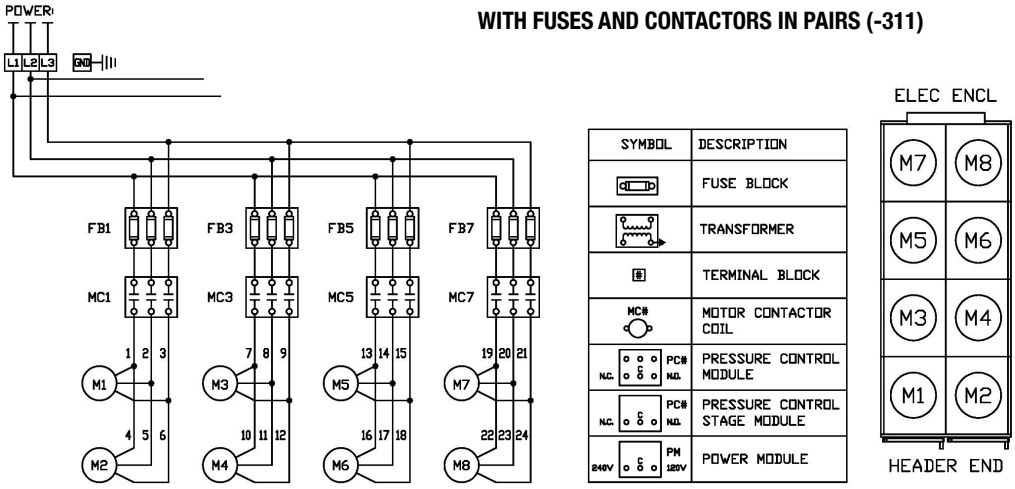
Specifications subject to change without notice.

Example Wiring Diagrams

FAN MOTORS CYCLING
WITH INDIVIDUAL FUSES AND CONTACTORS (-311)
WITH PRESSURE CONTROLS (PT-B311)



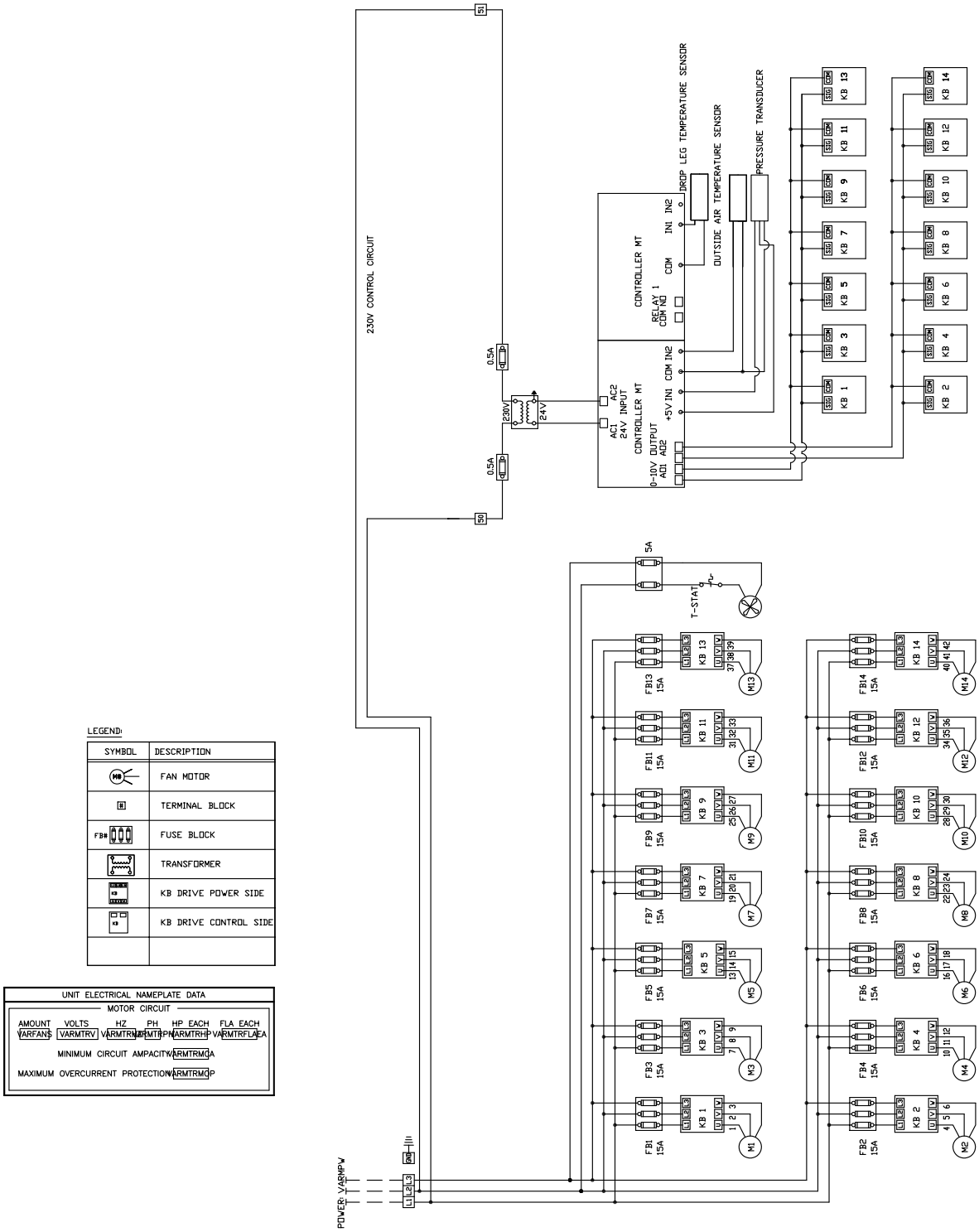
FAN MOTORS CYCLING
WITH FUSES AND CONTACTORS IN PAIRS (-311)



Specifications subject to change without notice.

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)



LEGEND:

SYMBOL	DESCRIPTION
M#	FAN MOTOR
#	TERMINAL BLOCK
FB#	FUSE BLOCK
	TRANSFORMER
	KB DRIVE POWER SIDE
	KB DRIVE CONTROL SIDE

UNIT ELECTRICAL NAMEPLATE DATA

MOTOR CIRCUIT

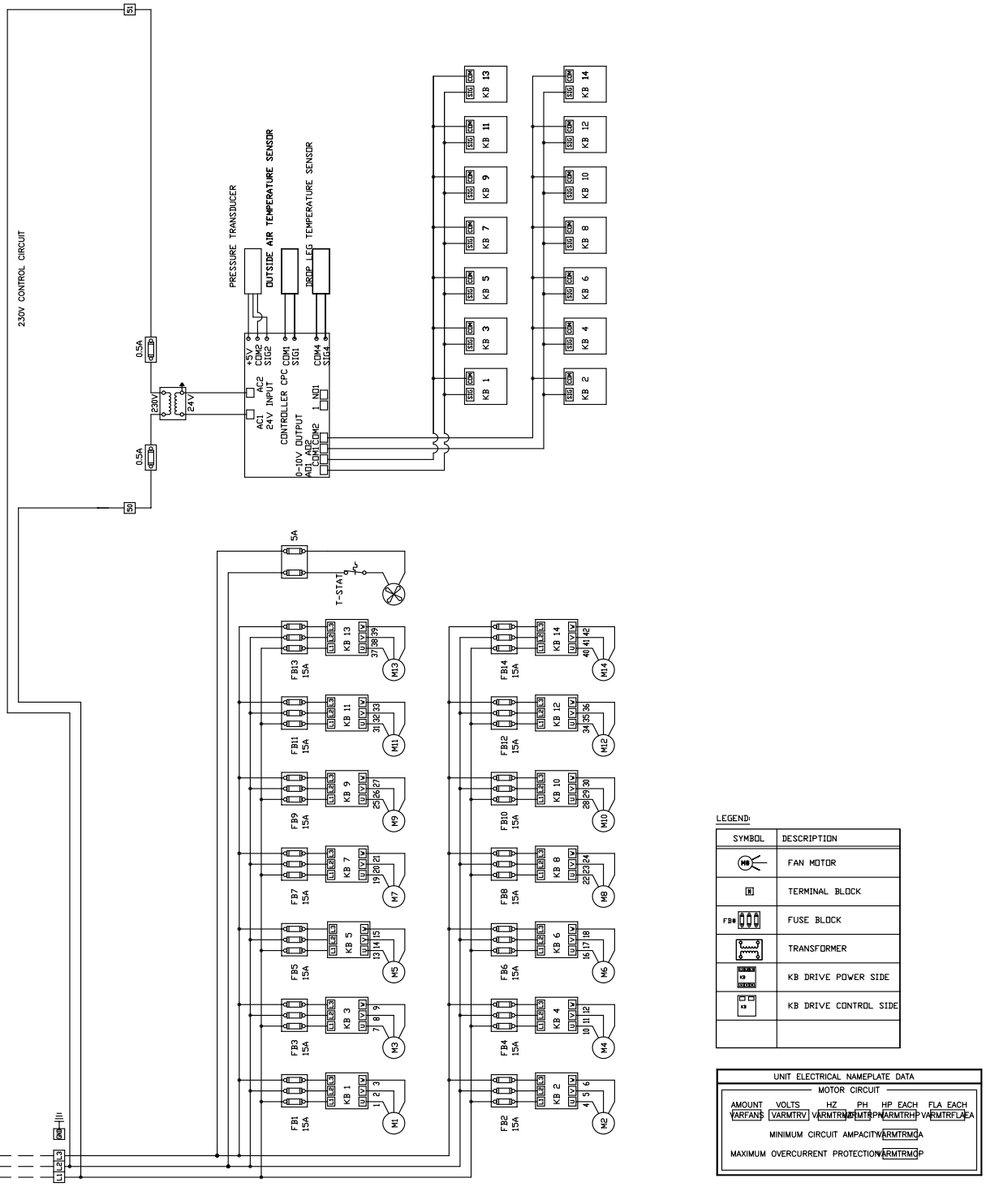
AMOUNT	VOLTS	HZ	PH	HP EACH	FLA EACH
VARFANS	VARMTRV	VARMTRHZ	VARMTRPH	VARMTRHP	VARMTRFLA EA

MINIMUM CIRCUIT AMPACITY VARMTRMCA

MAXIMUM OVERCURRENT PROTECTION VARMTRMOCP

Example Wiring Diagrams

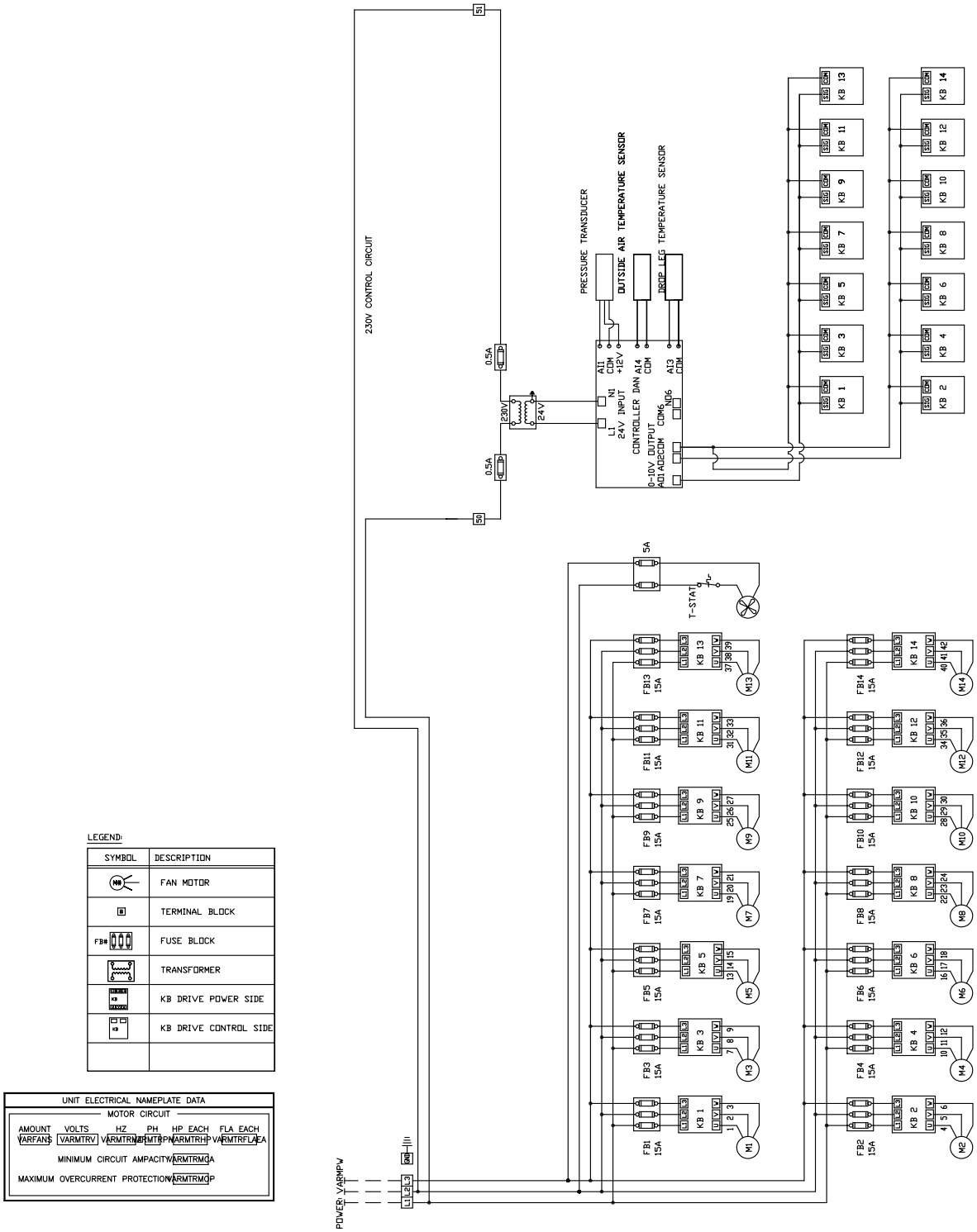
K MOTOR VSPEED VARIABLE SPEED FAN CONTROL WITH INDIVIDUAL FAN FUSING (-461) AND CPC CONTROL BOARD (CPC2) FOR COMPLETE NOMENCLATURE (CPC2 NCA461)



Specifications subject to change without notice.

Example Wiring Diagrams

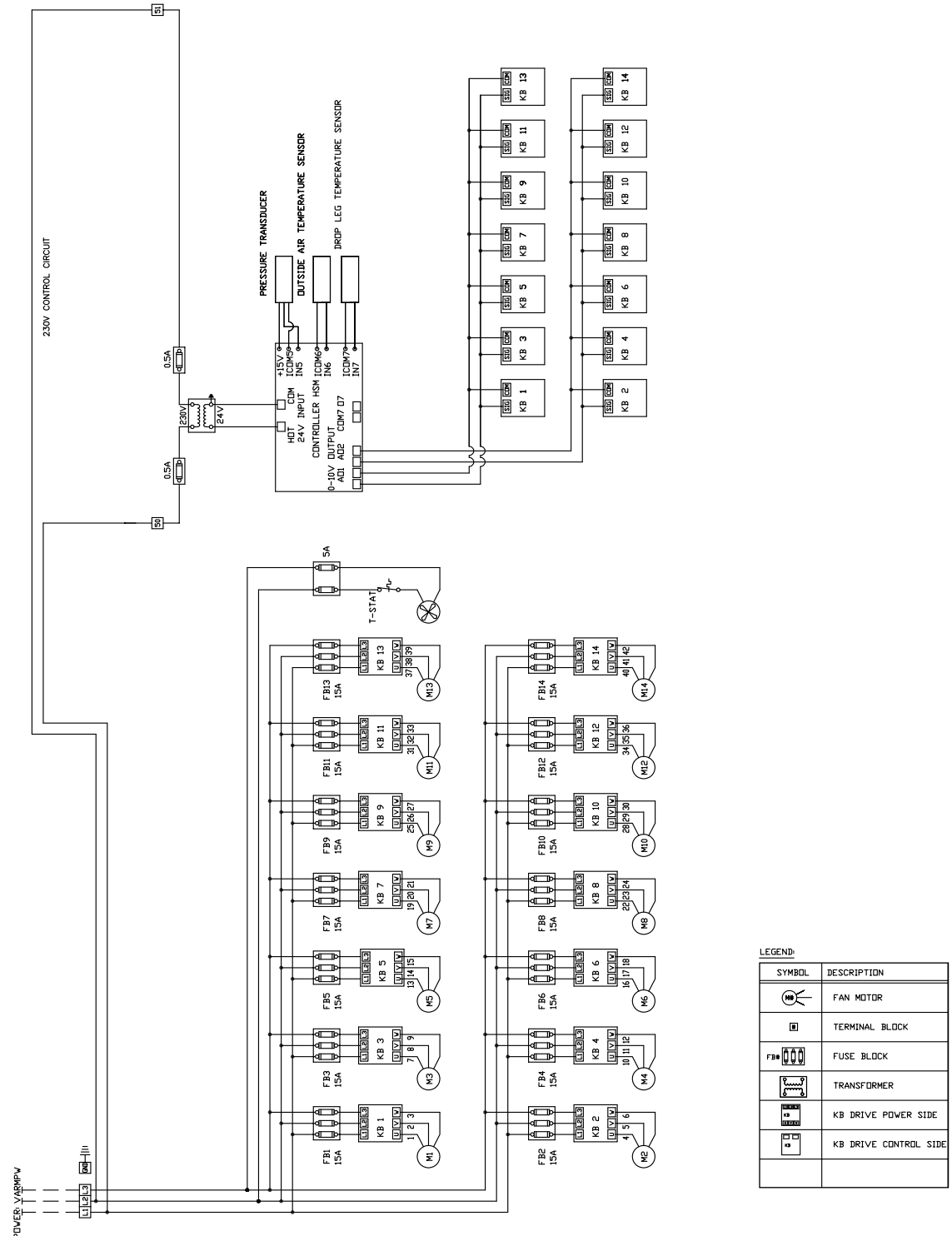
K MOTOR VSPEED VARIABLE SPEED FAN CONTROL WITH INDIVIDUAL FAN FUSING (-461) AND DANFOSS CONTROL BOARD (DAN) FOR COMPLETE NOMENCLATURE (DAN NCA461)



Specifications subject to change without notice.

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)



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