



Commercial Refrigeration Condensed Product Catalog

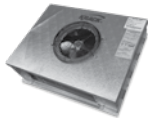












Technical Bulletin: CRCC_005_033020



Products that provide lasting solutions.

Commercial Condensed Product Catalog

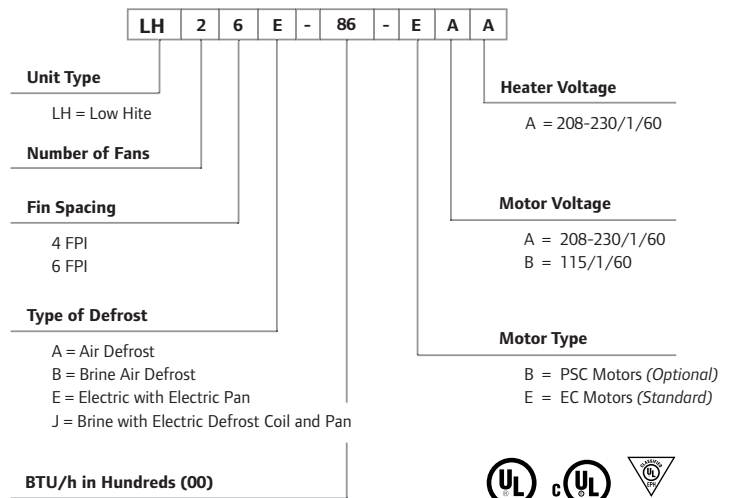
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LH Series Unit Coolers - Dual Discharge-Low Hite Series

Standard Features

- Compact design with flush ceiling mount takes up less space, allows more products to be stored on the shelf.
- EC motors standard for 115/1 and 230/1.
- Two-way air discharge provides smooth air movement, keeps product fresh longer with less drying and weight loss.
- High efficiency aluminum fins with staggered copper tubes for optimum heat transfer and proper system balance.
- These coils can be used for fluid and CO2 circuiting.
- All controls are factory wired to a terminal strip for easy installation.
- Optional features available. Contact your sales representative for more details.



Use your QR reader to reference current document version on www.krack.com.



AIR DEFROST

| MODEL | CAP. (BTUH) @ 10°F TD | AIR FLOW (CFM) | CHARGE LBS OF REFRIG | EC MOTORS STANDARD | | | | PSC MOTORS OPTIONAL | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|------------------------|-----------------------|----------------|----------------------|--------------------|-------|----------|-------|---------------------|-------|----------|-------|-----------------|-------|------|---------------------|
| | | | | 115/1/60 | | 230/1/60 | | 115/1/60 | | 230/1/60 | | L | W | H | |
| | | | | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | | | | |
| 6 Fins per Inch | | | | | | | | | | | | | | | |
| LH16A-47 | 4,700 | 650 | 2 | 0.9 | 50 | 0.5 | 48 | 0.6 | 71 | 0.3 | 66 | 32.88 | 26.06 | 9.25 | 42 |
| LH26A-94 | 9,400 | 1,300 | 3 | 1.8 | 100 | 1.0 | 96 | 1.2 | 142 | 0.6 | 132 | 54.88 | 26.06 | 9.25 | 70 |
| LH36A-140 | 14,000 | 1,950 | 4 | 2.7 | 150 | 1.5 | 144 | 1.8 | 213 | 0.9 | 198 | 76.88 | 26.06 | 9.25 | 123 |
| LH46A-187 | 18,700 | 2,600 | 5 | 3.6 | 200 | 2.0 | 192 | 2.4 | 284 | 1.2 | 264 | 98.88 | 26.06 | 9.25 | 164 |
| 4 Fins per Inch | | | | | | | | | | | | | | | |
| LH14A-36 | 3,600 | 680 | 2 | 0.9 | 50 | 0.5 | 48 | 0.6 | 71 | 0.3 | 66 | 32.88 | 26.06 | 9.25 | 38 |
| LH24A-73 | 7,300 | 1,370 | 3 | 1.8 | 100 | 1.0 | 96 | 1.2 | 142 | 0.6 | 132 | 54.88 | 26.06 | 9.25 | 64 |
| LH34A-109 | 10,900 | 2,050 | 4 | 2.7 | 150 | 1.5 | 144 | 1.8 | 213 | 0.9 | 198 | 76.88 | 26.06 | 9.25 | 105 |
| LH44A-145 | 14,500 | 2,730 | 5 | 3.6 | 200 | 2.0 | 192 | 2.4 | 284 | 1.2 | 264 | 98.88 | 26.06 | 9.25 | 146 |

ELECTRIC DEFROST

| MODEL | CAP. (BTUH) @ 10°F TD | | AIR FLOW (CFM) | CHARGE LBS OF REFRIG | EC MOTORS STANDARD | | | | PSC MOTORS OPTIONAL | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|------------------------|-----------------------|--------|----------------|----------------------|--------------------|-------|----------|-------|---------------------|-------|----------|-------|-----------------|-------|------|---------------------|
| | -20° | +20° | | | 115/1/60 | | 230/1/60 | | 115/1/60 | | 230/1/60 | | L | W | H | |
| | SST | SST | | | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | | | | |
| 6 Fins per Inch | | | | | | | | | | | | | | | | |
| LH16E-43 | 4,300 | 4,700 | 650 | 2 | 0.9 | 49 | 0.5 | 49 | 0.6 | 71 | 0.3 | 66 | 32.88 | 26.06 | 9.25 | 44 |
| LH26E-86 | 8,600 | 9,400 | 1,300 | 3 | 1.8 | 98 | 1.0 | 97 | 1.2 | 142 | 0.6 | 132 | 54.88 | 26.06 | 9.25 | 73 |
| LH36E-129 | 12,900 | 14,000 | 1,950 | 4 | 2.7 | 147 | 1.5 | 146 | 1.8 | 213 | 0.9 | 198 | 76.88 | 26.06 | 9.25 | 127 |
| LH46E-171 | 17,100 | 18,700 | 2,600 | 5 | 3.6 | 196 | 2.0 | 194 | 2.4 | 284 | 1.2 | 264 | 98.88 | 26.06 | 9.25 | 169 |
| 4 Fins per Inch | | | | | | | | | | | | | | | | |
| LH14E-33 | 3,300 | 3,600 | 680 | 2 | 0.9 | 49 | 0.5 | 49 | 0.6 | 78 | 0.3 | 66 | 32.88 | 26.06 | 9.25 | 40 |
| LH24E-67 | 6,700 | 7,300 | 1,370 | 3 | 1.8 | 98 | 1.0 | 97 | 1.2 | 156 | 0.6 | 132 | 54.88 | 26.06 | 9.25 | 67 |
| LH34E-100 | 10,000 | 10,900 | 2,050 | 4 | 2.7 | 147 | 1.5 | 146 | 1.8 | 234 | 0.9 | 198 | 76.88 | 26.06 | 9.25 | 109 |
| LH44E-132 | 13,200 | 14,500 | 2,730 | 5 | 3.6 | 196 | 2.0 | 194 | 2.4 | 312 | 1.2 | 264 | 98.88 | 26.06 | 9.25 | 150 |

GH/GL Series Unit Coolers

Standard Features

| | | | | | | | | | | |
|------------------------|----|---|---|---|---|----|---|---|---|---|
| Unit Type | GL | 2 | 6 | D | - | 90 | - | E | A | K |
| Number of Fans | | | | | | | | | | |
| Fin Spacing | | | | | | | | | | |
| Type of Defrost | | | | | | | | | | |

Unit Type
GH & GL = Gentle Air

Number of Fans

Fin Spacing
4 FPI
6 FPI

Type of Defrost
A = Air Defrost
B = Brine with Air Defrost
C = Brine with Electrical Defrost Coil
D = Electric with No Pan Heat
F = 3 Pipe Hot Gas with No Pan Heat
H = 3 Pipe Hot Gas with Electric Drain Pan
M = 2 Pipe Kool Gas with No Pan Heat
P = 2 Pipe Kool Gas with Electric Drain Pan

Heater Voltage
A = 208-230/1/60
B = 115/1/60
K = 208-230/3/60

Motor Voltage
A = 208-230/1/60
B = 115/1/60

Motor Type
B = PSC Motors (Optional)
E = EC Motors (Standard)

UL c UL

AMERICAN
WES

BTU/h in Hundreds (00)

Ideal for medium temperature low air circulation applications in spaces above +20°F.

- Twin coils creating a low velocity “umbrella” air distribution.
- EC motors standard for 115/1 and 230/1.
- Low and high silhouette models are installed level and tight to ceiling; mounting holes and optional TEV are internal resulting in a clean appearance.
- Serviceable, textured aluminum housing features hinged orifice drain pan, pitched to drain condensate at end of unit.
- These coils can be used for fluid and CO₂ circulating.
- Optional features available. Contact your sales representative for more details.



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AIR DEFROST SPECIFICATIONS

GENTLE AIR - 18" HIGH SILHOUETTE - MEDIUM TEMPERATURE

| MODEL | CAPACITY (BTUH) @ 10°F TD | AIR FLOW (CFM) | CHARGE LBS OF R404A | EC MOTORS STANDARD | | | | PSC MOTORS OPTIONAL | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|------------------------|---------------------------|----------------|---------------------|--------------------|-------|----------|-------|---------------------|-------|----------|-------|-----------------|-------|-------|---------------------|
| | | | | 115/1/60 | | 230/1/60 | | 115/1/60 | | 230/1/60 | | L | W | H | |
| | | | | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | | | | |
| 6 Fins per Inch | | | | | | | | | | | | | | | |
| GH16A-60 | 6,000 | 900 | 3 | 0.8 | 52 | 0.5 | 48 | 0.6 | 67 | 0.3 | 66 | 31.75 | 28.75 | 18.25 | 130 |
| GH26A-130 | 13,000 | 1,800 | 4 | 1.6 | 104 | 1.0 | 96 | 1.2 | 134 | 0.6 | 132 | 49.75 | 28.75 | 18.25 | 180 |
| GH36A-198 | 19,800 | 2,700 | 6 | 2.4 | 156 | 1.5 | 144 | 1.8 | 201 | 0.9 | 198 | 67.75 | 28.75 | 18.25 | 240 |
| GH46A-270 | 27,000 | 3,600 | 8 | 3.2 | 208 | 2.0 | 192 | 2.4 | 268 | 1.2 | 264 | 85.75 | 28.75 | 18.25 | 320 |
| GH56A-340 | 34,000 | 4,500 | 9 | 4.0 | 260 | 2.5 | 240 | 3.0 | 335 | 1.5 | 330 | 103.75 | 28.75 | 18.25 | 370 |
| GH66A-410 | 41,000 | 5,400 | 11 | 4.8 | 312 | 3.0 | 288 | 3.6 | 402 | 1.8 | 396 | 121.75 | 28.75 | 18.25 | 420 |
| 4 Fins per Inch | | | | | | | | | | | | | | | |
| GH14A-50 | 5,000 | 940 | 3 | 0.8 | 52 | 0.5 | 48 | 0.6 | 67 | 0.3 | 66 | 31.75 | 28.75 | 18.25 | 120 |
| GH24A-100 | 10,000 | 1,880 | 4 | 1.6 | 104 | 1.0 | 96 | 1.2 | 134 | 0.6 | 132 | 49.75 | 28.75 | 18.25 | 170 |
| GH34A-150 | 15,000 | 2,820 | 6 | 2.4 | 156 | 1.5 | 144 | 1.8 | 201 | 0.9 | 198 | 67.75 | 28.75 | 18.25 | 230 |
| GH44A-200 | 20,000 | 3,760 | 8 | 3.2 | 208 | 2.0 | 192 | 2.4 | 268 | 1.2 | 264 | 85.75 | 28.75 | 18.25 | 310 |
| GH54A-250 | 25,000 | 4,700 | 9 | 4.0 | 260 | 2.5 | 240 | 3.0 | 335 | 1.5 | 330 | 103.75 | 28.75 | 18.25 | 360 |
| GH64A-300 | 30,000 | 5,640 | 11 | 4.8 | 312 | 3.0 | 288 | 3.6 | 402 | 1.8 | 396 | 121.75 | 28.75 | 18.25 | 410 |

GENTLE AIR - 12" LOW SILHOUETTE - MEDIUM TEMPERATURE

| MODEL | CAPACITY (BTUH) @ 10°F TD | AIR FLOW (CFM) | CHARGE LBS OF R404A | EC MOTORS STANDARD | | | | PSC MOTORS OPTIONAL | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|------------------------|---------------------------|----------------|---------------------|--------------------|-------|----------|-------|---------------------|-------|----------|-------|-----------------|-------|-------|---------------------|
| | | | | 115/1/60 | | 230/1/60 | | 115/1/60 | | 230/1/60 | | L | W | H | |
| | | | | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | | | | |
| 6 Fins per Inch | | | | | | | | | | | | | | | |
| GL16A-45 | 4,500 | 600 | 2 | 0.3 | 18 | 0.2 | 19 | 0.6 | 43 | 0.3 | 41 | 31.75 | 28.75 | 12.25 | 100 |
| GL26A-90 | 9,000 | 1,200 | 3 | 0.6 | 36 | 0.4 | 38 | 1.2 | 86 | 0.6 | 82 | 49.75 | 28.75 | 12.25 | 140 |
| GL36A-135 | 13,500 | 1,800 | 4 | 0.9 | 54 | 0.6 | 57 | 1.8 | 129 | 0.9 | 123 | 67.75 | 28.75 | 12.25 | 190 |
| GL46A-180 | 18,000 | 2,400 | 5 | 1.2 | 72 | 0.8 | 76 | 2.4 | 172 | 1.2 | 164 | 85.75 | 28.75 | 12.25 | 250 |
| GL56A-225 | 22,500 | 3,000 | 5 | 1.5 | 90 | 1.0 | 95 | 3.0 | 215 | 1.5 | 205 | 103.75 | 28.75 | 12.25 | 290 |
| GL66A-268 | 26,800 | 3,600 | 6 | 1.8 | 108 | 1.2 | 114 | 3.6 | 258 | 1.8 | 246 | 121.75 | 28.75 | 12.25 | 340 |
| 4 Fins per Inch | | | | | | | | | | | | | | | |
| GL14A-35 | 3,500 | 630 | 2 | 0.3 | 18 | 0.2 | 19 | 0.6 | 43 | 0.3 | 41 | 31.75 | 28.75 | 12.25 | 90 |
| GL24A-70 | 7,000 | 1,260 | 3 | 0.6 | 36 | 0.4 | 38 | 1.2 | 86 | 0.6 | 82 | 49.75 | 28.75 | 12.25 | 130 |
| GL34A-105 | 10,500 | 1,890 | 4 | 0.9 | 54 | 0.6 | 57 | 1.8 | 129 | 0.9 | 123 | 67.75 | 28.75 | 12.25 | 180 |
| GL44A-140 | 14,000 | 2,520 | 5 | 1.2 | 72 | 0.8 | 76 | 2.4 | 172 | 1.2 | 164 | 85.75 | 28.75 | 12.25 | 240 |
| GL54A-175 | 17,500 | 3,150 | 5 | 1.5 | 90 | 1.0 | 95 | 3.0 | 215 | 1.5 | 205 | 103.75 | 28.75 | 12.25 | 280 |
| GL64A-210 | 21,000 | 3,780 | 6 | 1.8 | 108 | 1.2 | 114 | 3.6 | 258 | 1.8 | 246 | 121.75 | 28.75 | 12.25 | 330 |

GH/GL Series Unit Coolers

ELECTRIC DEFROST SPECIFICATIONS

GENTLE AIR - 18" HIGH SILHOUETTE - MEDIUM TEMPERATURE

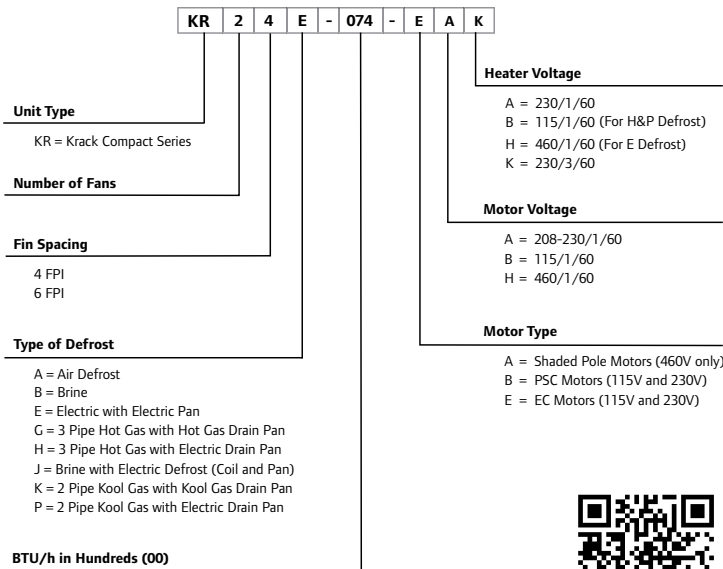
| MODEL | CAPACITY (BTUH) @ 10°F TD | AIR FLOW (CFM) | CHARGE LBS OF R404A | EC MOTORS STANDARD | | | | PSC MOTORS OPTIONAL | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|------------------------|---------------------------------|----------------------|---------------------------|--------------------|-------|----------|-------|---------------------|-------|----------|-------|-----------------|-------|-------|---------------------------|
| | | | | 115/1/60 | | 230/1/60 | | 115/1/60 | | 230/1/60 | | L | W | H | |
| | | | | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | | | | |
| 6 Fins per Inch | | | | | | | | | | | | | | | |
| GH16D-60 | 6,000 | 900 | 3 | 0.8 | 52 | 0.5 | 48 | 0.6 | 67 | 0.3 | 66 | 31.75 | 28.75 | 18.25 | 130 |
| GH26D-130 | 13,000 | 1,800 | 4 | 1.6 | 104 | 1.0 | 96 | 1.2 | 134 | 0.6 | 132 | 49.75 | 28.75 | 18.25 | 180 |
| GH36D-198 | 19,800 | 2,700 | 6 | 2.4 | 156 | 1.5 | 144 | 1.8 | 201 | 0.9 | 198 | 67.75 | 28.75 | 18.25 | 240 |
| GH46D-270 | 27,000 | 3,600 | 8 | 3.2 | 208 | 2.0 | 192 | 2.4 | 268 | 1.2 | 264 | 85.75 | 28.75 | 18.25 | 320 |
| GH56D-340 | 34,000 | 4,500 | 9 | 4.0 | 260 | 2.5 | 240 | 3.0 | 335 | 1.5 | 330 | 103.75 | 28.75 | 18.25 | 370 |
| GH66D-410 | 41,000 | 5,400 | 11 | 4.8 | 312 | 3.0 | 288 | 3.6 | 402 | 1.8 | 396 | 121.75 | 28.75 | 18.25 | 420 |
| 4 Fins per Inch | | | | | | | | | | | | | | | |
| GH14D-50 | 5,000 | 940 | 3 | 0.8 | 52 | 0.5 | 48 | 0.6 | 67 | 0.3 | 66 | 31.75 | 28.75 | 18.25 | 120 |
| GH24D-100 | 10,000 | 1,880 | 4 | 1.6 | 104 | 1.0 | 96 | 1.2 | 134 | 0.6 | 132 | 49.75 | 28.75 | 18.25 | 170 |
| GH34D-150 | 15,000 | 2,820 | 6 | 2.4 | 156 | 1.5 | 144 | 1.8 | 201 | 0.9 | 198 | 67.75 | 28.75 | 18.25 | 230 |
| GH44D-200 | 20,000 | 3,760 | 8 | 3.2 | 208 | 2.0 | 192 | 2.4 | 268 | 1.2 | 264 | 85.75 | 28.75 | 18.25 | 310 |
| GH54D-250 | 25,000 | 4,700 | 9 | 4.0 | 260 | 2.5 | 240 | 3.0 | 335 | 1.5 | 330 | 103.75 | 28.75 | 18.25 | 360 |
| GH64D-300 | 30,000 | 5,640 | 11 | 4.8 | 312 | 3.0 | 288 | 3.6 | 402 | 1.8 | 396 | 121.75 | 28.75 | 18.25 | 410 |

GENTLE AIR - 12" LOW SILHOUETTE - MEDIUM TEMPERATURE

| MODEL | CAPACITY (BTUH) @ 10°F TD | AIR FLOW (CFM) | CHARGE LBS OF R404A | EC MOTORS STANDARD | | | | PSC MOTORS OPTIONAL | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|------------------------|---------------------------------|----------------------|---------------------------|--------------------|-------|----------|-------|---------------------|-------|----------|-------|-----------------|-------|-------|---------------------------|
| | | | | 115/1/60 | | 230/1/60 | | 115/1/60 | | 230/1/60 | | L | W | H | |
| | | | | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | AMPS | WATTS | | | | |
| 6 Fins per Inch | | | | | | | | | | | | | | | |
| GL16D-45 | 4,500 | 600 | 2 | 0.3 | 18 | 0.2 | 19 | 0.6 | 43 | 0.3 | 41 | 31.75 | 28.75 | 12.25 | 100 |
| GL26D-90 | 9,000 | 1,200 | 3 | 0.6 | 36 | 0.4 | 38 | 1.2 | 86 | 0.6 | 82 | 49.75 | 28.75 | 12.25 | 140 |
| GL36D-135 | 13,500 | 1,800 | 4 | 0.9 | 54 | 0.6 | 57 | 1.8 | 129 | 0.9 | 123 | 67.75 | 28.75 | 12.25 | 190 |
| GL46D-180 | 18,000 | 2,400 | 5 | 1.2 | 72 | 0.8 | 76 | 2.4 | 172 | 1.2 | 164 | 85.75 | 28.75 | 12.25 | 250 |
| GL56D-225 | 22,500 | 3,000 | 5 | 1.5 | 90 | 1.0 | 95 | 3.0 | 215 | 1.5 | 205 | 103.75 | 28.75 | 12.25 | 290 |
| GL66D-268 | 26,800 | 3,600 | 6 | 1.8 | 108 | 1.2 | 114 | 3.6 | 258 | 1.8 | 246 | 121.75 | 28.75 | 12.25 | 340 |
| 4 Fins per Inch | | | | | | | | | | | | | | | |
| GL14D-35 | 3,500 | 630 | 2 | 0.3 | 18 | 0.2 | 19 | 0.6 | 43 | 0.3 | 41 | 31.75 | 28.75 | 12.25 | 90 |
| GL24D-70 | 7,000 | 1,260 | 3 | 0.6 | 36 | 0.4 | 38 | 1.2 | 86 | 0.6 | 82 | 49.75 | 28.75 | 12.25 | 130 |
| GL34D-105 | 10,500 | 1,890 | 4 | 0.9 | 54 | 0.6 | 57 | 1.8 | 129 | 0.9 | 123 | 67.75 | 28.75 | 12.25 | 180 |
| GL44D-140 | 14,000 | 2,520 | 5 | 1.2 | 72 | 0.8 | 76 | 2.4 | 172 | 1.2 | 164 | 85.75 | 28.75 | 12.25 | 240 |
| GL54D-175 | 17,500 | 3,150 | 5 | 1.5 | 90 | 1.0 | 95 | 3.0 | 215 | 1.5 | 205 | 103.75 | 28.75 | 12.25 | 280 |
| GL64D-210 | 21,000 | 3,780 | 6 | 1.8 | 108 | 1.2 | 114 | 3.6 | 258 | 1.8 | 246 | 121.75 | 28.75 | 12.25 | 330 |

KR Series Unit Coolers

Standard Features



Use your QR reader to reference current document version on www.krack.com.

- Swept-wing Fan Blade Design - providing low noise operation.
- Non-metallic fan guard.
- Front access to refrigeration components for serviceability.
- Electrical panel located behind front access hinged aluminum cover.
- Standard EC fan motors for 115/1/60 and 208-230/1/60.
- Die-formed patterned aluminum cabinet and drain pan with easy-to-clean radius corners.
- Pressurized, sealed coils with heavy-walled copper tube and rippled full collar aluminum fins.
- Electric defrost models feature efficient coil face heaters, drain pan heaters and defrost controls. Available heater voltages - 115/1 (H&P Defrost only), 230/1, 230/3, and 460/1 (E Defrost only).
- Factory wired fan and defrost controls with convenient terminal strips.
- Plug in motor leads.
- Optional features available. Contact your sales representative for more details.

AIR DEFROST SPECIFICATIONS

MEDIUM TEMPERATURE

| MODEL | CAP. (BTUH) @ 10°F TD +25 SST | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | # OF HANGERS | CHARGE DATA LBS OF R 404A | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|-----------|-------------------------------------|-------------------|---------------------------|---------|-----|--------------|---------------------------|-----------------|-------|-------|---------------------|
| | | | LIQUID | SUCTION | HG | | | L | W | H | |
| KR16A-040 | 4,000 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 55 |
| KR16A-054 | 5,400 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 60 |
| KR16A-060 | 6,000 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 60 |
| KR26A-072 | 7,200 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 29.13 | 15.32 | 15.90 | 90 |
| KR26A-089 | 8,900 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR26A-105 | 10,500 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR26A-115 | 11,500 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR26A-125 | 12,500 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR36A-134 | 13,400 | 2,535 | 0.5 | .875 | 0.5 | 4 | 2 | 65.13 | 15.32 | 15.90 | 120 |
| KR36A-159 | 15,900 | 2,535 | 0.5 | .875 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 140 |
| KR36A-170 | 17,000 | 2,535 | 0.5 | 1.125 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 140 |
| KR46A-216 | 21,600 | 3,380 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.13 | 15.32 | 15.90 | 180 |
| KR56A-242 | 24,200 | 4,225 | 0.5 | 1.125 | 0.5 | 6 | 4 | 101.13 | 15.32 | 15.90 | 220 |
| KR66A-310 | 31,000 | 5,070 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 265 |
| KR66A-340 | 34,000 | 5,070 | 0.5 | 1.375 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 265 |
| KR14A-058 | 5,800 | 855 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 60 |
| KR24A-096 | 9,600 | 1,750 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 90 |
| KR24A-117 | 11,700 | 1,710 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR34A-143 | 14,300 | 2,625 | 0.5 | .875 | 0.5 | 4 | 2 | 65.13 | 15.32 | 15.90 | 125 |
| KR34A-173 | 17,300 | 2,565 | 0.5 | 1.125 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 140 |
| KR44A-191 | 19,100 | 3,500 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.13 | 15.32 | 15.90 | 165 |
| KR44A-232 | 23,200 | 3,420 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.13 | 15.32 | 15.90 | 180 |
| KR54A-290 | 29,000 | 4,275 | 0.5 | 1.125 | 0.5 | 6 | 4 | 101.13 | 15.32 | 15.90 | 225 |
| KR64A-348 | 34,800 | 5,130 | 0.5 | 1.375 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 265 |

KR Series Unit Coolers

ELECTRIC DEFROST SPECIFICATIONS

MEDIUM / LOW TEMPERATURE

| MODEL | CAPACITY (BTUH) @ 10°F TD | | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | # OF HANGERS | CHARGE DATA LBS OF R 404A | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|-----------|------------------------------|---------|----------------------|---------------------------|---------|-----|-----------------|---------------------------------|-----------------|-------|-------|---------------------------|
| | -20 SST | +20 SST | | LIQUID | SUCTION | HG | | | L | W | H | |
| | | | | | | | | | | | | |
| KR14E-037 | 3,700 | 5,000 | 875 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 55 |
| KR16E-035 | 3,500 | 4,730 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 55 |
| KR16E-041 | 4,100 | 5,540 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 60 |
| KR16E-045 | 4,500 | 6,080 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 60 |
| KR24E-065 | 6,500 | 8,780 | 1,750 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 90 |
| KR24E-074 | 7,400 | 9,990 | 1,750 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 90 |
| KR26E-067 | 6,700 | 9,050 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR26E-075 | 7,500 | 10,130 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR26E-090 | 9,000 | 12,150 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR34E-111 | 11,100 | 14,990 | 2,625 | 0.5 | .875 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 125 |
| KR36E-126 | 12,600 | 17,010 | 2,535 | 0.5 | .875 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 140 |
| KR36E-135 | 13,500 | 18,230 | 2,535 | 0.5 | .875 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 140 |
| KR44E-148 | 14,800 | 19,850 | 3,500 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.13 | 15.32 | 15.90 | 165 |
| KR46E-160 | 16,000 | 21,600 | 3,380 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.15 | 15.32 | 15.90 | 180 |
| KR46E-180 | 18,000 | 24,300 | 3,380 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.15 | 15.32 | 15.90 | 180 |
| KR54E-185 | 18,500 | 24,980 | 4,375 | 0.5 | 1.125 | 0.5 | 6 | 4 | 101.13 | 15.32 | 15.90 | 200 |
| KR56E-192 | 19,200 | 25,920 | 4,225 | 0.5 | 1.125 | 0.5 | 6 | 4 | 101.13 | 15.32 | 15.90 | 220 |
| KR64E-213 | 21,300 | 28,760 | 5,250 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 240 |
| KR64E-220 | 22,000 | 29,700 | 5,250 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 240 |
| KR66E-240 | 24,000 | 32,400 | 5,070 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 265 |
| KR66E-270 | 27,000 | 36,450 | 5,070 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 265 |

HOT GAS DEFROST SPECIFICATIONS

MEDIUM / LOW TEMPERATURE

| MODEL | CAPACITY (BTUH) @ 10°F TD | | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | # OF HANGERS | CHARGE DATA LBS OF R-404A | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|-------------|------------------------------|---------|----------------------|---------------------------|---------|-----|-----------------|---------------------------------|-----------------|-------|-------|---------------------------|
| | -20 SST | +20 SST | | LIQUID | SUCTION | HG | | | L | W | H | |
| | | | | | | | | | | | | |
| KR14()-037 | 3,700 | 5,000 | 875 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 55 |
| KR16()-035 | 3,500 | 4,730 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 55 |
| KR16()-041 | 4,100 | 5,540 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 60 |
| KR16()-045 | 4,500 | 6,080 | 845 | 0.5 | .625 | 0.5 | 4 | 1 | 29.13 | 15.32 | 15.90 | 60 |
| KR24()-065 | 6,500 | 8,780 | 1,750 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 90 |
| KR24()-074 | 7,400 | 9,990 | 1,750 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 90 |
| KR26()-067 | 6,700 | 9,050 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR26()-075 | 7,500 | 10,130 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR26()-090 | 9,000 | 12,150 | 1,690 | 0.5 | .875 | 0.5 | 4 | 2 | 47.13 | 15.32 | 15.90 | 100 |
| KR34()-111 | 11,100 | 14,990 | 2,625 | 0.5 | .875 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 125 |
| KR36()-126 | 12,600 | 17,010 | 2,535 | 0.5 | .875 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 140 |
| KR36()-135 | 13,500 | 18,230 | 2,535 | 0.5 | .875 | 0.5 | 4 | 3 | 65.13 | 15.32 | 15.90 | 140 |
| KR44()-148 | 14,800 | 19,850 | 3,500 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.13 | 15.32 | 15.90 | 165 |
| KR46()-160 | 16,000 | 21,600 | 3,380 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.15 | 15.32 | 15.90 | 180 |
| KR46()-180 | 18,000 | 24,300 | 3,380 | 0.5 | 1.125 | 0.5 | 6 | 3 | 83.15 | 15.32 | 15.90 | 180 |
| KR54()-185 | 18,500 | 24,980 | 4,375 | 0.5 | 1.125 | 0.5 | 6 | 4 | 101.13 | 15.32 | 15.90 | 200 |
| KR56()-192 | 19,200 | 25,920 | 4,225 | 0.5 | 1.125 | 0.5 | 6 | 4 | 101.13 | 15.32 | 15.90 | 220 |
| KR64()-213 | 21,300 | 28,760 | 5,250 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 240 |
| KR64()-220 | 22,000 | 29,700 | 5,250 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 240 |
| KR66()-240 | 24,000 | 32,400 | 5,070 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 265 |
| KR66()-270 | 27,000 | 36,450 | 5,070 | 0.5 | 1.125 | 0.5 | 6 | 5 | 119.13 | 15.32 | 15.90 | 265 |

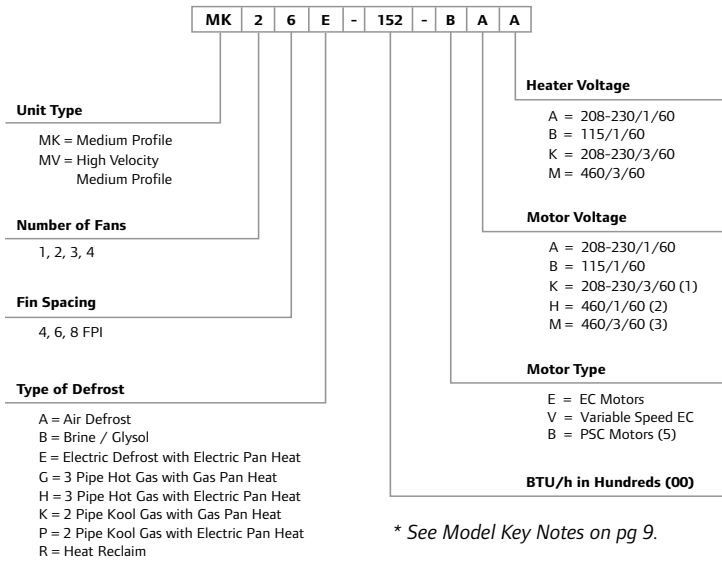
NOTE: Available Types of Defrost:

(K) KGG - 2 Pipe Kool Gas with Kool Gas Pan; (H) HGE - 3 Pipe Hot Gas with Electric Pan; (G) HGG - 3 Pipe Hot Gas with Hot Gas Pan;

(P) KGE - 2 Pipe Kool Gas with Electric Pan

MK/MV Series Unit Coolers

Standard Features



- Ruggedly constructed cabinets are easily installed from ceilings or on hanger rods.
- Wide capacity range.
- Air defrost for medium temperature rooms.
- Electric or Hot Gas defrost for medium and low temperature rooms.
- 4, 6, and 8 fins (MK Series) and 4 and 6 fins (MV Series) per inch spacing.
- Aluminum drain pan and cabinet.
- Coated, corrosion-proof wire fan guards.
- Compartmented fan sections.
- EC motors available 115V or 230V.
- Schraeder valve for easy super heat adjustment.
- Optional features available. Contact your sales representative for more details.
- Choose air defrost for **MK Quiet** that offers lower sound decibel solution tailored for wineries and breweries.

AIR DEFROST SPECIFICATIONS

MEDIUM TEMPERATURE



Use your QR reader to reference current document version on www.krack.com.

| MODEL | CAPACITY (BTUH) | | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|-----------|-----------------|-----------|----------------|---------------------------|-------------|---------------------|-----------------|-------|-------|---------------------|
| | @ 10°F TD | @ 15°F TD | | LIQUID ODS | SUCTION ODS | REFRIG CHARGE (LBS) | L | W | H | |
| MK14A-68 | 6,800 | 10,200 | 3,245 | 1/2 | 7/8 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MK14A-94 | 9,400 | 14,100 | 3,060 | 1/2 | 7/8 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MK14A-121 | 12,100 | 18,150 | 2,960 | 1/2 | 7/8 | 4 | 38.00 | 19.00 | 26.75 | 130 |
| MK16A-86 | 8,600 | 12,900 | 2,985 | 1/2 | 7/8 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MK16A-118 | 11,800 | 17,700 | 2,815 | 1/2 | 7/8 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MK16A-145 | 14,500 | 21,750 | 2,725 | 1/2 | 1-1/8 | 4 | 38.00 | 19.00 | 26.75 | 130 |
| MK18A-98 | 9,800 | 14,700 | 2,860 | 1/2 | 7/8 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MK18A-133 | 13,300 | 19,950 | 2,710 | 1/2 | 7/8 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MK18A-160 | 16,000 | 24,000 | 2,625 | 1/2 | 1-1/8 | 4 | 38.00 | 19.00 | 26.75 | 130 |
| MK24A-188 | 18,800 | 28,200 | 6,120 | 1/2 | 1-1/8 | 5 | 63.00 | 19.00 | 26.75 | 225 |
| MK24A-242 | 24,200 | 36,300 | 5,920 | 1/2 | 1-1/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MK26A-172 | 17,200 | 25,800 | 5,970 | 1/2 | 1-1/8 | 4 | 63.00 | 19.00 | 26.75 | 215 |
| MK26A-236 | 23,600 | 35,400 | 5,630 | 1/2 | 1-1/8 | 5 | 63.00 | 19.00 | 26.75 | 225 |
| MK26A-290 | 29,000 | 43,500 | 5,450 | 1/2 | 1-5/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MK28A-196 | 19,600 | 29,400 | 5,720 | 1/2 | 1-1/8 | 4 | 63.00 | 19.00 | 26.75 | 215 |
| MK28A-266 | 26,600 | 39,900 | 5,420 | 1/2 | 1-5/8 | 5 | 63.00 | 19.00 | 26.75 | 225 |
| MK28A-320 | 32,000 | 48,000 | 5,250 | 5/8 | 1-5/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MK34A-363 | 36,300 | 54,450 | 8,880 | 5/8 | 1-5/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MK36A-354 | 35,400 | 53,100 | 8,445 | 5/8 | 1-5/8 | 7 | 92.00 | 19.00 | 26.75 | 330 |
| MK36A-435 | 43,500 | 65,250 | 8,175 | 5/8 | 1-5/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MK38A-393 | 39,300 | 58,950 | 8,130 | 5/8 | 1-5/8 | 7 | 92.00 | 19.00 | 26.75 | 330 |
| MK38A-480 | 48,000 | 72,000 | 7,875 | 5/8 | 1-5/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MK44A-484 | 48,400 | 72,600 | 11,840 | 5/8 | 1-5/8 | 11 | 119.00 | 19.00 | 26.75 | 470 |
| MK46A-580 | 58,000 | 87,000 | 10,900 | 5/8 | 1-5/8 | 11 | 119.00 | 19.00 | 26.75 | 470 |
| MK48A-640 | 64,000 | 96,000 | 10,500 | 5/8 | 1-5/8 | 11 | 119.00 | 19.00 | 26.75 | 470 |

Capacity Ratings are based on sensible heat removal with a TEV fed, medium frosted coil when:

- SST (saturated suction temp.) is above -20°F. Derate 10% for -30°F SST.

- Medium temp. selection - use 10 to 15°F TD. Low temp. selection - use 8 to 12°F TD. (TD is the temp. difference between room and SST.)

- Derate 12% for 50 HZ (0.88 multiplier) or increase TD to compensate for lower fan RPM - use 11.4°F for 10°F TD or 13.6°F for 12°F TD.

- As of September 2019, Air Defrost models will be a swept-wing fan blade design. Capacity and CFM not affected by this change.

MK/MV Series Unit Coolers

ELECTRIC DEFROST SPECIFICATIONS

MEDIUM / LOW TEMPERATURE

| MODEL | CAPACITY (BTUH) @ 10°F TD | | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|-----------|------------------------------|---------|----------------------|---------------------------|----------------|------------------------|-----------------|-------|-------|---------------------------|
| | -20 SST | +20 SST | | LIQUID ODS | SUCTION ODS | REFRIG CHARGE (LBS) | L | W | H | |
| MK14E-60 | 6,000 | 6,800 | 3,245 | 1/2 | 1-1/8 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MK14E-82 | 8,200 | 9,400 | 3,060 | 1/2 | 1-1/8 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MK14E-105 | 10,500 | 12,100 | 2,960 | 1/2 | 1-1/8 | 4 | 38.00 | 19.00 | 26.75 | 130 |
| MK16E-76 | 7,600 | 8,600 | 2,985 | 1/2 | 1-1/8 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MK16E-103 | 10,300 | 11,800 | 2,815 | 1/2 | 1-1/8 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MK16E-127 | 12,700 | 14,500 | 2,725 | 1/2 | 1-1/8 | 4 | 38.00 | 19.00 | 26.75 | 130 |
| MK24E-120 | 12,000 | 13,600 | 6,490 | 5/8 | 1-5/8 | 4 | 63.00 | 19.00 | 26.75 | 215 |
| MK24E-164 | 16,400 | 18,800 | 6,120 | 5/8 | 1-5/8 | 5 | 63.00 | 19.00 | 26.75 | 225 |
| MK24E-210 | 21,000 | 24,200 | 5,920 | 5/8 | 1-5/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MK26E-152 | 15,200 | 17,200 | 5,970 | 5/8 | 1-5/8 | 4 | 63.00 | 19.00 | 26.75 | 215 |
| MK26E-206 | 20,600 | 23,600 | 5,630 | 5/8 | 1-5/8 | 5 | 63.00 | 19.00 | 26.75 | 225 |
| MK26E-254 | 25,400 | 29,000 | 5,450 | 5/8 | 1-5/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MK34E-246 | 24,600 | 28,200 | 9,180 | 7/8 | 1-5/8 | 7 | 92.00 | 19.00 | 26.75 | 330 |
| MK34E-315 | 31,500 | 36,300 | 8,880 | 7/8 | 2-1/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MK36E-309 | 30,900 | 35,400 | 8,445 | 7/8 | 1-5/8 | 7 | 92.00 | 19.00 | 26.75 | 330 |
| MK36E-381 | 38,100 | 43,500 | 8,175 | 7/8 | 2-1/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MK44E-420 | 42,000 | 48,400 | 11,840 | 7/8 | 2-1/8 | 11 | 119.00 | 19.00 | 26.75 | 470 |
| MK46E-508 | 50,800 | 58,000 | 10,900 | 7/8 | 2-1/8 | 11 | 119.00 | 19.00 | 26.75 | 470 |

Low Temperature – Below +30°F Extra High Velocity

| | | | | | | | | | | |
|-----------|--------|-----|--------|-----|-------|----|--------|-------|-------|-----|
| MV14E-73 | 7,300 | N/A | 4,790 | 1/2 | 1-1/8 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MV14E-100 | 10,000 | N/A | 4,300 | 1/2 | 1-5/8 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MV14E-128 | 12,800 | N/A | 4,130 | 1/2 | 1-5/8 | 3 | 38.00 | 19.00 | 26.75 | 130 |
| MV16E-93 | 9,300 | N/A | 4,405 | 1/2 | 1-1/8 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MV16E-126 | 12,600 | N/A | 3,955 | 1/2 | 1-5/8 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MV16E-155 | 15,500 | N/A | 3,800 | 1/2 | 1-5/8 | 3 | 38.00 | 19.00 | 26.75 | 130 |
| MV24E-146 | 14,600 | N/A | 9,580 | 5/8 | 1-5/8 | 3 | 63.00 | 19.00 | 26.75 | 215 |
| MV24E-200 | 20,000 | N/A | 8,600 | 5/8 | 1-5/8 | 4 | 63.00 | 19.00 | 26.75 | 225 |
| MV24E-256 | 25,600 | N/A | 8,260 | 5/8 | 1-5/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MV26E-186 | 18,600 | N/A | 8,810 | 5/8 | 1-5/8 | 3 | 63.00 | 19.00 | 26.75 | 215 |
| MV26E-252 | 25,200 | N/A | 7,910 | 5/8 | 1-5/8 | 4 | 63.00 | 19.00 | 26.75 | 225 |
| MV26E-310 | 31,000 | N/A | 7,600 | 5/8 | 1-5/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MV34E-300 | 30,000 | N/A | 12,900 | 7/8 | 1-5/8 | 6 | 92.00 | 19.00 | 26.75 | 330 |
| MV34E-384 | 38,400 | N/A | 12,390 | 7/8 | 2-1/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MV36E-378 | 37,800 | N/A | 11,865 | 7/8 | 1-5/8 | 6 | 92.00 | 19.00 | 26.75 | 330 |
| MV36E-465 | 46,500 | N/A | 11,400 | 7/8 | 2-1/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MV44E-512 | 51,200 | N/A | 16,520 | 7/8 | 2-1/8 | 10 | 119.00 | 19.00 | 26.75 | 470 |
| MV46E-620 | 62,000 | N/A | 15,200 | 7/8 | 2-1/8 | 10 | 119.00 | 19.00 | 26.75 | 470 |

NOTE: 3-Phase options are single-phase motors wired for 3-Phase operation.
230V motor amps may vary by a tenth of an amp. MOP valves are not affected.

MK/MV Series Unit Coolers

HOT GAS DEFROST SPECIFICATIONS

LOW / MEDIUM TEMPERATURE

| MODEL | CAPACITY (BTUH) @ 10°F TD | | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|-------------|------------------------------|---------|----------------------|---------------------------|----------------|------------------|------------------------|-----------------|-------|-------|---------------------------|
| | -20 SST | +20 SST | | LIQUID ODS | SUCTION ODS | KG-HG-TEE ODS | REFRIG CHARGE (LBS) | L | W | H | |
| MK14()-60 | 6,000 | 6,800 | 3,245 | 1/2 | 1-1/8 | 1/2 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MK14()-82 | 8,200 | 9,400 | 3,060 | 1/2 | 1-1/8 | 1/2 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MK14()-105 | 10,500 | 12,100 | 2,960 | 1/2 | 1-1/8 | 1/2 | 4 | 38.00 | 19.00 | 26.75 | 130 |
| MK16()-76 | 7,600 | 8,600 | 2,985 | 1/2 | 1-1/8 | 1/2 | 2 | 38.00 | 19.00 | 26.75 | 115 |
| MK16()-103 | 10,300 | 11,800 | 2,815 | 1/2 | 1-1/8 | 1/2 | 3 | 38.00 | 19.00 | 26.75 | 125 |
| MK16()-127 | 12,700 | 14,500 | 2,725 | 1/2 | 1-1/8 | 1/2 | 4 | 38.00 | 19.00 | 26.75 | 130 |
| MK24()-120 | 12,000 | 13,600 | 6,490 | 5/8 | 1-5/8 | 5/8 | 4 | 63.00 | 19.00 | 26.75 | 215 |
| MK24()-164 | 16,400 | 18,800 | 6,120 | 5/8 | 1-5/8 | 5/8 | 5 | 63.00 | 19.00 | 26.75 | 225 |
| MK24()-210 | 21,000 | 24,200 | 5,920 | 5/8 | 1-5/8 | 5/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MK26()-152 | 15,200 | 17,200 | 5,970 | 5/8 | 1-5/8 | 5/8 | 4 | 63.00 | 19.00 | 26.75 | 215 |
| MK26()-206 | 20,600 | 23,600 | 5,630 | 5/8 | 1-5/8 | 5/8 | 5 | 63.00 | 19.00 | 26.75 | 225 |
| MK26()-254 | 25,400 | 29,000 | 5,450 | 5/8 | 1-5/8 | 5/8 | 6 | 63.00 | 19.00 | 26.75 | 240 |
| MK34()-246 | 24,600 | 28,200 | 9,180 | 7/8 | 1-5/8 | 7/8 | 7 | 92.00 | 19.00 | 26.75 | 330 |
| MK34()-315 | 31,500 | 36,300 | 8,880 | 7/8 | 2-1/8 | 7/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MK36()-309 | 30,900 | 35,400 | 8,445 | 7/8 | 1-5/8 | 7/8 | 7 | 92.00 | 19.00 | 26.75 | 330 |
| MK36()-381 | 38,100 | 43,500 | 8,175 | 7/8 | 2-1/8 | 7/8 | 8 | 92.00 | 19.00 | 26.75 | 350 |
| MK44()-420 | 42,000 | 48,400 | 11,840 | 7/8 | 2-1/8 | 7/8 | 11 | 119.00 | 19.00 | 26.75 | 470 |
| MK46()-508 | 50,800 | 58,000 | 10,900 | 7/8 | 2-1/8 | 7/8 | 11 | 119.00 | 19.00 | 26.75 | 470 |

* Available Types of Defrost: (K) KGG - 2 Pipe Kool Gas with Kool Gas Pan, (H) HGE - 3 Pipe Hot Gas with Electric Pan, (G) HGG - 3 Pipe Hot Gas with Hot Gas Pan, (P) KGE - 2 Pipe Kool Gas with Electric Pan

Model Key Notes

- (1) Single-phase motors wired for three-phase operation.
Not available on single fan units.
- (2) 460V motors are Motor Type PSC only.
- (3) Single-phase motors wired for three-phase operation.
Not available on single fan units. 460V motors are Motor Type PSC only.
- (4) Available on H&P gas defrost options for Drain Pan Heater only.
- (5) PSC motors are allowed as 460V only in the USA.

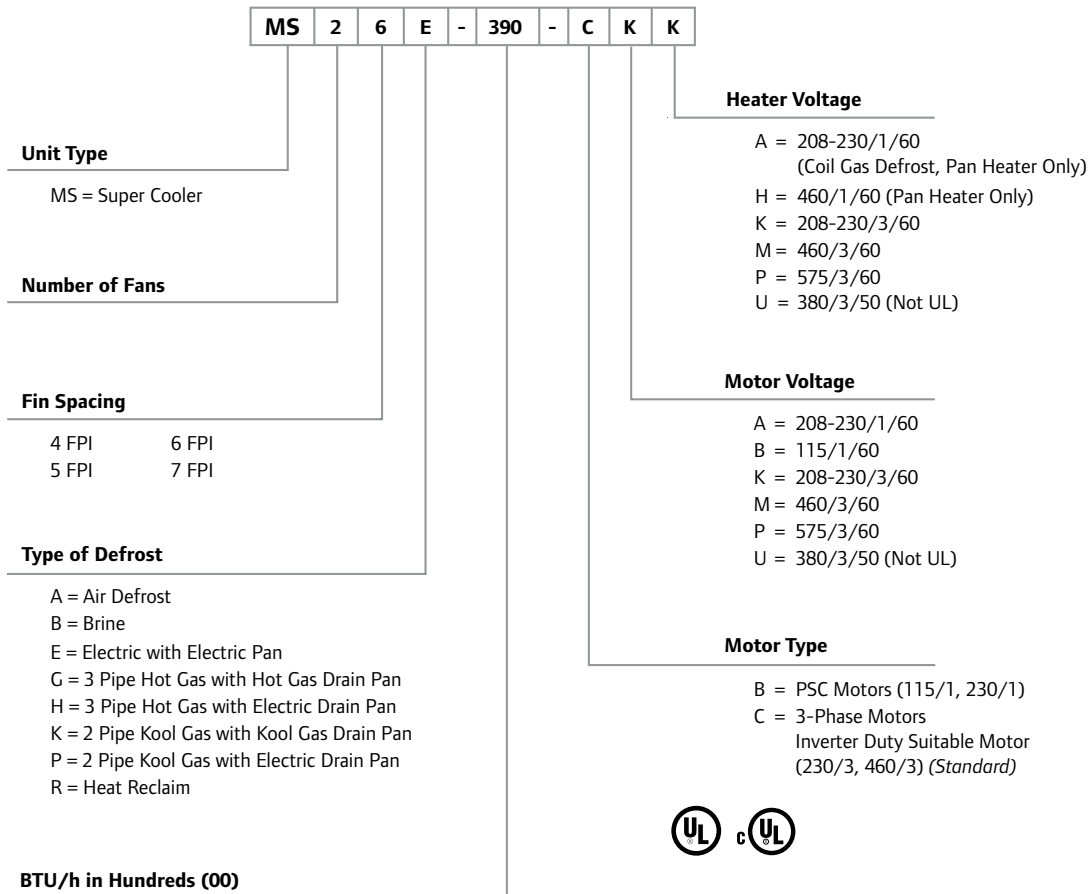
MS Series Unit Coolers

Standard Features

- Medium profile, galvanized steel cabinet.
- 20" 1 to 4 fans.
- 15,000 to 113,170 BTUH at 10°TD.
- 4, 6, or 7 fins per inch air defrost.
- 4, 5, or 6 fins per inch electric or hot gas defrost.
- 1/2 hp, 1140 RPM, ball-bearing motors totally enclosed, internal overload protection with automatic reset, permanently lubricated.
- 230V-1 or -3, 460V-3, 575V-3, 380V-3 electric defrost models.
- 115V, 230V-1 or -3, 460V-3, 575V-3, 380V-3 air and gas defrost models.
- Fan delay and defrost termination thermostat.
- Terminal block.
- Heater safety thermostat on electric defrost.
- Optional features available. Contact your sales representative for more details.



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MS Series Unit Coolers

AIR DEFROST SPECIFICATIONS

| MEDIUM TEMPERATURE | | | | | | | | | | |
|--------------------|-------------------------------------|----------------------|---------------------------|---------|-------------------|------------------|-----------------|--------|--------|---------------------------|
| MODEL | CAP. (BTUH) @ 10°F TD +20 SST | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
| | | | LIQUID | SUCTION | NO. OF HANGERS | REFRIG CHARGE | L | W | H | |
| MS14A-150 | 15,020 | 4,200 | 5/8 | 1-1/8 | 4 | 5 | 57.000 | 26.625 | 26.250 | 142 |
| MS14A-190 | 19,030 | 4,120 | 5/8 | 1-1/8 | 4 | 7 | 57.000 | 26.625 | 26.250 | 153 |
| MS14A-225 | 22,470 | 4,000 | 5/8 | 1-1/8 | 4 | 8 | 57.000 | 26.625 | 26.250 | 171 |
| MS14A-249 | 24,910 | 3,920 | 7/8 | 1-1/8 | 4 | 10 | 57.000 | 26.625 | 26.250 | 184 |
| MS16A-184 | 18,360 | 4,120 | 5/8 | 1-1/8 | 4 | 5 | 57.000 | 26.625 | 26.250 | 151 |
| MS16A-229 | 22,940 | 4,040 | 5/8 | 1-1/8 | 4 | 7 | 57.000 | 26.625 | 26.250 | 164 |
| MS16A-260 | 26,010 | 3,940 | 5/8 | 1-1/8 | 4 | 8 | 57.000 | 26.625 | 26.250 | 182 |
| MS16A-281 | 28,100 | 3,850 | 7/8 | 1-1/8 | 4 | 10 | 57.000 | 26.625 | 26.250 | 197 |
| MS17A-199 | 19,880 | 4,080 | 5/8 | 1-1/8 | 4 | 5 | 57.000 | 26.625 | 26.250 | 161 |
| MS17A-246 | 24,590 | 4,000 | 5/8 | 1-1/8 | 4 | 7 | 57.000 | 26.625 | 26.250 | 174 |
| MS17A-275 | 27,500 | 3,900 | 5/8 | 1-1/8 | 4 | 8 | 57.000 | 26.625 | 26.250 | 194 |
| MS17A-295 | 29,540 | 3,800 | 7/8 | 1-1/8 | 4 | 10 | 57.000 | 26.625 | 26.250 | 209 |
| MS24A-300 | 30,040 | 8,400 | 7/8 | 1-3/8 | 6 | 10 | 102.000 | 26.625 | 26.250 | 247 |
| MS24A-381 | 38,050 | 8,240 | 7/8 | 1-3/8 | 6 | 13 | 102.000 | 26.625 | 26.250 | 272 |
| MS24A-450 | 44,950 | 8,000 | 7/8 | 1-3/8 | 6 | 15 | 102.000 | 26.625 | 26.250 | 301 |
| MS24A-498 | 49,820 | 7,840 | 7/8 | 1-3/8 | 6 | 18 | 102.000 | 26.625 | 26.250 | 326 |
| MS26A-367 | 36,710 | 8,240 | 7/8 | 1-3/8 | 6 | 10 | 102.000 | 26.625 | 26.250 | 269 |
| MS26A-459 | 45,880 | 8,080 | 7/8 | 1-3/8 | 6 | 13 | 102.000 | 26.625 | 26.250 | 297 |
| MS26A-520 | 52,030 | 7,880 | 7/8 | 1-3/8 | 6 | 15 | 102.000 | 26.625 | 26.250 | 328 |
| MS26A-562 | 56,190 | 7,700 | 7/8 | 1-3/8 | 6 | 18 | 102.000 | 26.625 | 26.250 | 355 |
| MS27A-398 | 39,760 | 8,160 | 7/8 | 1-3/8 | 6 | 10 | 102.000 | 26.625 | 26.250 | 309 |
| MS27A-492 | 49,180 | 8,000 | 7/8 | 1-3/8 | 6 | 13 | 102.000 | 26.625 | 26.250 | 342 |
| MS27A-550 | 55,000 | 7,800 | 7/8 | 1-3/8 | 6 | 15 | 102.000 | 26.625 | 26.250 | 370 |
| MS27A-591 | 59,080 | 7,600 | 7/8 | 1-3/8 | 6 | 18 | 102.000 | 26.625 | 26.250 | 419 |
| MS34A-524 | 52,400 | 12,135 | 7/8 | 1-5/8 | 8 | 16 | 129.000 | 26.625 | 26.250 | 369 |
| MS34A-623 | 62,250 | 11,505 | 7/8 | 1-5/8 | 8 | 20 | 129.000 | 26.625 | 26.250 | 402 |
| MS34A-708 | 70,820 | 11,325 | 1-3/8 | 1-5/8 | 8 | 23 | 129.000 | 26.625 | 26.250 | 433 |
| MS36A-626 | 62,610 | 11,895 | 7/8 | 1-5/8 | 8 | 16 | 129.000 | 26.625 | 26.250 | 402 |
| MS36A-712 | 71,180 | 11,040 | 7/8 | 1-5/8 | 8 | 20 | 129.000 | 26.625 | 26.250 | 438 |
| MS36A-806 | 80,620 | 10,995 | 1-3/8 | 1-5/8 | 8 | 26 | 129.000 | 26.625 | 26.250 | 472 |
| MS37A-663 | 66,340 | 11,700 | 7/8 | 1-5/8 | 8 | 16 | 129.000 | 26.625 | 26.250 | 419 |
| MS37A-755 | 75,540 | 10,995 | 7/8 | 1-5/8 | 8 | 20 | 129.000 | 26.625 | 26.250 | 456 |
| MS37A-849 | 84,870 | 10,905 | 1-3/8 | 1-5/8 | 8 | 23 | 129.000 | 26.625 | 26.250 | 492 |
| MS44A-699 | 69,870 | 16,180 | 1-3/8 | 2-1/8 | 10 | 21 | 168.000 | 26.625 | 26.250 | 493 |
| MS44A-830 | 83,000 | 15,340 | 1-3/8 | 2-1/8 | 10 | 26 | 168.000 | 26.625 | 26.250 | 528 |
| MS44A-944 | 94,430 | 15,100 | 1-3/8 | 2-1/8 | 10 | 31 | 168.000 | 26.625 | 26.250 | 578 |
| MS46A-835 | 83,480 | 15,860 | 1-3/8 | 2-1/8 | 10 | 21 | 168.000 | 26.625 | 26.250 | 538 |
| MS46A-949 | 94,900 | 14,720 | 1-3/8 | 2-1/8 | 10 | 26 | 168.000 | 26.625 | 26.250 | 576 |
| MS46A-1075 | 107,490 | 14,660 | 1-3/8 | 2-1/8 | 10 | 31 | 168.000 | 26.625 | 26.250 | 630 |
| MS47A-885 | 88,450 | 15,600 | 1-3/8 | 2-1/8 | 10 | 21 | 168.000 | 26.625 | 26.250 | 560 |
| MS47A-1007 | 100,720 | 14,660 | 1-3/8 | 2-1/8 | 10 | 26 | 168.000 | 26.625 | 26.250 | 600 |
| MS47A-1132 | 113,170 | 14,540 | 1-3/8 | 2-1/8 | 10 | 31 | 168.000 | 26.625 | 26.250 | 656 |

NOTE: Derate 12% for 50 HZ (0.88 multiplier) or increase TD to compensate for lower fan RPM.

MS Series Unit Coolers

ELECTRIC DEFROST SPECIFICATIONS

MEDIUM / LOW TEMPERATURE

| MODEL | CAP. (BTUH) @ 10°F TD | | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|-----------|-----------------------|---------|----------------|---------------------------|---------|----------------|---------------|-----------------|--------|-------|---------------------|
| | -20 SST | +20 SST | | LIQUID | SUCTION | NO. OF HANGERS | REFRIG CHARGE | L | W | H | |
| MS14E-162 | 16,180 | 19,030 | 4,120 | 5/8 | 1-1/8 | 4 | 7 | 57.00 | 26.625 | 26.25 | 174 |
| MS14E-212 | 21,170 | 24,910 | 3,920 | 7/8 | 1-1/8 | 4 | 10 | 57.00 | 26.625 | 26.25 | 208 |
| MS15E-178 | 17,790 | 20,930 | 4,060 | 5/8 | 1-1/8 | 4 | 7 | 57.00 | 26.625 | 26.25 | 186 |
| MS15E-223 | 22,260 | 26,190 | 3,890 | 7/8 | 1-1/8 | 4 | 10 | 57.00 | 26.625 | 26.25 | 221 |
| MS16E-195 | 19,500 | 22,940 | 4,040 | 5/8 | 1-1/8 | 4 | 7 | 57.00 | 26.625 | 26.25 | 198 |
| MS16E-239 | 23,890 | 28,100 | 3,850 | 7/8 | 1-1/8 | 4 | 10 | 57.00 | 26.625 | 26.25 | 236 |
| MS24E-323 | 32,340 | 38,050 | 8,240 | 7/8 | 1-3/8 | 6 | 13 | 102.00 | 26.625 | 26.25 | 297 |
| MS24E-424 | 42,350 | 49,820 | 7,840 | 7/8 | 1-3/8 | 6 | 18 | 102.00 | 26.625 | 26.25 | 357 |
| MS25E-356 | 35,580 | 41,860 | 8,120 | 7/8 | 1-3/8 | 6 | 13 | 102.00 | 26.625 | 26.25 | 317 |
| MS25E-444 | 44,450 | 52,290 | 7,780 | 7/8 | 1-3/8 | 6 | 18 | 102.00 | 26.625 | 26.25 | 381 |
| MS26E-390 | 39,000 | 45,880 | 8,080 | 7/8 | 1-3/8 | 6 | 13 | 102.00 | 26.625 | 26.25 | 337 |
| MS26E-478 | 47,760 | 56,190 | 7,700 | 7/8 | 1-3/8 | 6 | 18 | 102.00 | 26.625 | 26.25 | 406 |
| MS34E-445 | 44,540 | 52,400 | 12,135 | 7/8 | 1-5/8 | 8 | 16 | 129.00 | 26.625 | 26.25 | 398 |
| MS34E-602 | 60,200 | 70,820 | 11,325 | 1-3/8 | 1-5/8 | 8 | 23 | 129.00 | 26.625 | 26.25 | 470 |
| MS35E-502 | 50,180 | 59,030 | 12,015 | 7/8 | 1-5/8 | 8 | 16 | 129.00 | 26.625 | 26.25 | 425 |
| MS35E-643 | 64,330 | 75,680 | 11,205 | 1-3/8 | 1-5/8 | 8 | 23 | 129.00 | 26.625 | 26.25 | 502 |
| MS36E-532 | 53,220 | 62,610 | 11,895 | 7/8 | 1-5/8 | 8 | 16 | 129.00 | 26.625 | 26.25 | 452 |
| MS36E-685 | 68,530 | 80,620 | 10,995 | 1-3/8 | 1-5/8 | 8 | 23 | 129.00 | 26.625 | 26.25 | 534 |
| MS44E-594 | 59,390 | 69,870 | 16,180 | 1-3/8 | 2-1/8 | 10 | 21 | 168.00 | 26.625 | 26.25 | 541 |
| MS44E-803 | 80,270 | 94,430 | 15,100 | 1-3/8 | 2-1/8 | 10 | 31 | 168.00 | 26.625 | 26.25 | 616 |
| MS45E-669 | 66,900 | 78,710 | 16,020 | 1-3/8 | 2-1/8 | 10 | 21 | 168.00 | 26.625 | 26.25 | 578 |
| MS45E-858 | 85,770 | 100,910 | 14,940 | 1-3/8 | 2-1/8 | 10 | 31 | 168.00 | 26.625 | 26.25 | 658 |
| MS46E-710 | 70,960 | 83,480 | 15,860 | 1-3/8 | 2-1/8 | 10 | 21 | 168.00 | 26.625 | 26.25 | 615 |
| MS46E-914 | 91,370 | 107,490 | 14,660 | 1-3/8 | 2-1/8 | 10 | 31 | 168.00 | 26.625 | 26.25 | 700 |

NOTE: Ratings apply for D or E electric defrost. Derate 12% for 50 HZ (0.88 multiplier) or increase TD to compensate for lower fan RPM.

HOT GAS DEFROST SPECIFICATIONS

MEDIUM / LOW TEMPERATURE

| MODEL | CAP. (BTUH) @ 10°F TD | | AIR FLOW (CFM) | REFRIGERATION CONNECTIONS | | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|-------------|-----------------------|---------|----------------|---------------------------|---------|-----|----------------|---------------|-----------------|--------|-------|---------------------|
| | -20 SST | +20 SST | | LIQUID | SUCTION | HG | NO. OF HANGERS | REFRIG CHARGE | L | W | H | |
| MS14()-162 | 16,180 | 19,030 | 4,120 | 5/8 | 1-2/8 | 1/2 | 4 | 7 | 57.00 | 26.625 | 26.25 | 174 |
| MS14()-212 | 21,170 | 24,910 | 3,920 | 7/8 | 1-1/8 | 1/2 | 4 | 10 | 57.00 | 26.625 | 26.25 | 208 |
| MS15()-178 | 17,790 | 20,930 | 4,060 | 5/8 | 1-1/8 | 1/2 | 4 | 7 | 57.00 | 26.625 | 26.25 | 186 |
| MS15()-223 | 22,260 | 26,190 | 3,890 | 7/8 | 1-1/8 | 1/2 | 4 | 10 | 57.00 | 26.625 | 26.25 | 221 |
| MS16()-195 | 19,500 | 22,940 | 4,040 | 5/8 | 1-1/8 | 1/2 | 4 | 7 | 57.00 | 26.625 | 26.25 | 198 |
| MS16()-239 | 23,890 | 28,100 | 3,850 | 7/8 | 1-1/8 | 1/2 | 4 | 10 | 57.00 | 26.625 | 26.25 | 236 |
| MS24()-323 | 32,340 | 38,050 | 8,240 | 7/8 | 1-3/8 | 1/2 | 6 | 13 | 102.00 | 26.625 | 26.25 | 297 |
| MS24()-424 | 42,350 | 49,820 | 7,840 | 7/8 | 1-3/8 | 7/8 | 6 | 18 | 102.00 | 26.625 | 26.25 | 357 |
| MS25()-356 | 35,580 | 41,860 | 8,120 | 7/8 | 1-3/8 | 1/2 | 6 | 13 | 102.00 | 26.625 | 26.25 | 317 |
| MS25()-444 | 44,450 | 52,290 | 7,780 | 7/8 | 1-3/8 | 7/8 | 6 | 18 | 102.00 | 26.625 | 26.25 | 381 |
| MS26()-390 | 39,000 | 45,880 | 8,080 | 7/8 | 1-3/8 | 1/2 | 6 | 13 | 102.00 | 26.625 | 26.25 | 337 |
| MS26()-478 | 47,760 | 56,190 | 7,700 | 7/8 | 1-3/8 | 7/8 | 6 | 18 | 102.00 | 26.625 | 26.25 | 406 |
| MS34()-445 | 44,540 | 52,400 | 12,135 | 7/8 | 1-5/8 | 7/8 | 8 | 16 | 129.00 | 26.625 | 26.25 | 398 |
| MS34()-602 | 60,200 | 70,820 | 11,325 | 1-3/8 | 1-5/8 | 7/8 | 8 | 23 | 129.00 | 26.625 | 26.25 | 470 |
| MS35()-502 | 50,180 | 59,030 | 12,015 | 7/8 | 1-5/8 | 7/8 | 8 | 16 | 129.00 | 26.625 | 26.25 | 425 |
| MS35()-643 | 64,330 | 75,680 | 11,205 | 1-3/8 | 1-5/8 | 7/8 | 8 | 23 | 129.00 | 26.625 | 26.25 | 502 |
| MS36()-532 | 53,220 | 62,610 | 11,895 | 7/8 | 1-5/8 | 7/8 | 8 | 16 | 129.00 | 26.625 | 26.25 | 452 |
| MS36()-685 | 68,530 | 80,620 | 10,995 | 1-3/8 | 1-5/8 | 7/8 | 8 | 23 | 129.00 | 26.625 | 26.25 | 534 |
| MS44()-594 | 59,390 | 69,870 | 16,180 | 1-3/8 | 2-1/8 | 7/8 | 10 | 21 | 168.00 | 26.625 | 26.25 | 541 |
| MS44()-803 | 80,270 | 94,430 | 15,100 | 1-3/8 | 2-1/8 | 7/8 | 10 | 31 | 168.00 | 26.625 | 26.25 | 616 |
| MS45()-669 | 66,900 | 78,710 | 16,020 | 1-3/8 | 2-1/8 | 7/8 | 10 | 21 | 168.00 | 26.625 | 26.25 | 578 |
| MS45()-858 | 85,770 | 100,910 | 14,940 | 1-3/8 | 2-1/8 | 7/8 | 10 | 31 | 168.00 | 26.625 | 26.25 | 658 |
| MS46()-710 | 70,960 | 83,480 | 15,860 | 1-3/8 | 2-1/8 | 7/8 | 10 | 21 | 168.00 | 26.625 | 26.25 | 615 |
| MS46()-914 | 91,370 | 107,490 | 14,660 | 1-3/8 | 2-1/8 | 7/8 | 10 | 31 | 168.00 | 26.625 | 26.25 | 700 |

NOTE: Derate 12% for 50 HZ (0.88 multiplier) or increase TD to compensate for lower fan RPM.

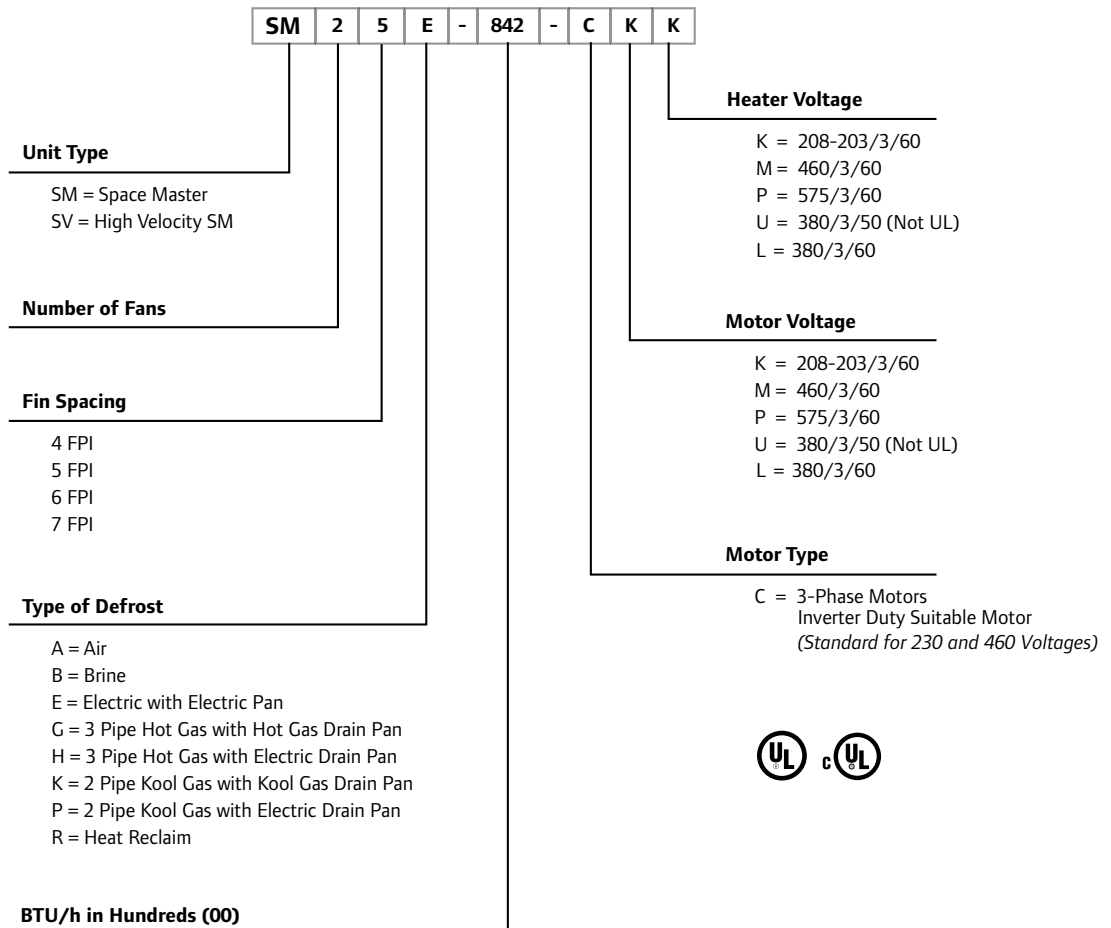
SM/SV Series Unit Coolers

Standard Features



Use your QR reader to reference current document version on www.krack.com.

- Ruggedly constructed fan cabinet hung by hanger rods from the ceiling.
- Efficient air draw-thru design with 30" diameter aluminum fans for uniform air distribution; air throw is approximately 50 to 60 feet (SM Series) and 60 to 80 feet (SV Series).
- Air defrost for medium temperature rooms (SM Series).
- Electric or hot gas defrost for medium and low temperature rooms.
- Mill galvanized drain pan and fan cabinet.
- Drain pan and fan cabinet end panels are hinged for easy access and cleaning.
- 4, 5, 6, and 7 fins (SM Series) and 4, 5, and 6 fins (SV Series) per inch spacing.
- Coated, corrosion-resistant wire fan guards.
- Compartmental fan sections.
- 3-phase, ball bearing motors 230/460V or 575V.
- Suction Schrader valve for easy suction pressure/temperature measurement.
- Optional features available. Contact your sales representative for more details.



SM/SV Series Unit Coolers

AIR DEFROST SPECIFICATIONS

MEDIUM TEMPERATURE

| MODEL | CAPACITY (BTUH) | | AIR FLOW (CFM) | FAN MOTOR AMPS | | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|------------|-----------------|-----------|----------------|----------------|----------|----------|-------|-------|-----------------|-------|-------|---------------------|
| | @ 10°F TD | @ 15°F TD | | 208-230/3 | 380/3/50 | 380/3/60 | 460/3 | 575/3 | L | W | H | |
| SM14A-314 | 31,400 | 47,100 | 9,860 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 410 |
| SM16A-378 | 37,800 | 56,700 | 8,980 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 445 |
| SM17A-410 | 41,000 | 61,500 | 8,550 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 465 |
| SM14A-403 | 40,300 | 60,450 | 9,690 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 430 |
| SM16A-463 | 46,300 | 69,450 | 8,810 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 470 |
| SM17A-503 | 50,300 | 75,450 | 8,390 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 490 |
| SM14A-469 | 46,900 | 70,350 | 9,510 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 450 |
| SM16A-538 | 53,800 | 80,700 | 8,480 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 495 |
| SM17A-585 | 58,500 | 87,750 | 8,100 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 515 |
| SM14A-526 | 52,600 | 78,900 | 9,330 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 484 |
| SM16A-604 | 60,400 | 90,600 | 8,400 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 530 |
| SM17A-657 | 65,700 | 98,550 | 8,000 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 550 |
| SM24A-619 | 61,900 | 92,850 | 19,700 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 830 |
| SM26A-746 | 74,600 | 111,900 | 17,900 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 885 |
| SM27A-811 | 81,100 | 121,650 | 17,100 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 940 |
| SM24A-797 | 79,700 | 119,550 | 19,380 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 836 |
| SM26A-915 | 91,500 | 137,250 | 17,600 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 895 |
| SM27A-995 | 99,500 | 149,250 | 16,800 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 950 |
| SM24A-882 | 88,200 | 132,300 | 18,890 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 845 |
| SM26A-1063 | 106,300 | 159,450 | 16,900 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 905 |
| SM27A-1155 | 115,500 | 173,250 | 16,100 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 960 |
| SM24A-1038 | 103,800 | 155,700 | 18,400 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 858 |
| SM26A-1192 | 119,200 | 178,800 | 16,800 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 915 |
| SM27A-1296 | 129,600 | 194,400 | 15,900 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 975 |
| SM34A-1123 | 112,300 | 168,450 | 28,600 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 960 |
| SM36A-1289 | 128,900 | 193,350 | 24,900 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,070 |
| SM37A-1402 | 140,200 | 210,300 | 24,700 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,090 |
| SM34A-1243 | 124,300 | 186,450 | 28,000 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,034 |
| SM36A-1498 | 149,800 | 224,700 | 24,600 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,156 |
| SM37A-1628 | 162,800 | 244,200 | 23,700 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,175 |
| SM34A-1463 | 146,300 | 219,450 | 27,400 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,100 |
| SM36A-1678 | 167,800 | 251,700 | 24,400 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,235 |
| SM37A-1824 | 182,400 | 273,600 | 23,500 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,255 |
| SM44A-1532 | 153,200 | 229,800 | 33,900 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,280 |
| SM46A-1846 | 184,600 | 276,900 | 33,200 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,430 |
| SM47A-1920 | 192,000 | 288,000 | 32,930 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,455 |
| SM44A-1829 | 182,900 | 274,350 | 33,400 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,380 |
| SM46A-2204 | 220,400 | 330,600 | 32,800 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,540 |
| SM47A-2281 | 228,100 | 342,150 | 31,600 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,565 |
| SM44A-2015 | 201,500 | 302,250 | 33,000 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,470 |
| SM46A-2428 | 242,800 | 364,200 | 32,530 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,645 |
| SM47A-2581 | 258,100 | 387,150 | 31,330 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,670 |

Capacity Ratings are based on sensible heat removal with a TEV fed, medium frosted coil when:

- Fan motor heat is not included in ratings – add 4000 BTUH per fan to room load for SM units, or 6600 BTUH per fan to room load for SV units.

- Derate 12% for 50 HZ (0.88 multiplier) or increase TD to compensate for lower fan RPM.

SM/SV Series Unit Coolers

ELECTRIC DEFROST SPECIFICATIONS

| LOW / MEDIUM TEMPERATURE | | | | | | | | | | | | |
|--|---------------------------|------------|----------------|----------------|----------|----------|-------|-------|-----------------|-------|-------|---------------------|
| SM MODEL | CAPACITY (BTUH) @ 10°F TD | | AIR FLOW (CFM) | FAN MOTOR AMPS | | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
| | @ -20° SST | @ +20° SST | | 208-230/3 | 380/3/50 | 380/3/60 | 460/3 | 575/3 | L | W | H | |
| SM14E-384 | 38,400 | 40,300 | 9,690 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 440 |
| SM15E-426 | 42,600 | 44,700 | 9,250 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 450 |
| SM16E-440 | 44,000 | 46,300 | 8,810 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 470 |
| SM14E-501 | 50,100 | 52,600 | 9,330 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 495 |
| SM15E-556 | 55,600 | 58,400 | 8,900 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 505 |
| SM16E-574 | 57,400 | 60,400 | 8,400 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 530 |
| SM24E-759 | 75,900 | 79,700 | 19,380 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 836 |
| SM25E-842 | 84,200 | 88,400 | 18,500 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 874 |
| SM26E-869 | 86,900 | 91,500 | 17,600 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 912 |
| SM24E-989 | 98,900 | 103,800 | 18,400 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 860 |
| SM25E-1097 | 109,700 | 115,200 | 17,600 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 900 |
| SM26E-1132 | 113,200 | 119,200 | 16,800 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 920 |
| SM34E-1070 | 107,000 | 112,300 | 28,600 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,030 |
| SM35E-1186 | 118,600 | 124,500 | 27,300 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,050 |
| SM36E-1225 | 122,500 | 128,900 | 24,900 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,060 |
| SM34E-1393 | 139,300 | 146,300 | 27,400 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,195 |
| SM35E-1544 | 154,400 | 162,100 | 26,100 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,215 |
| SM36E-1594 | 159,400 | 167,800 | 25,800 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,240 |
| *SM44E-1465 | 146,500 | 167,000 | 38,130 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,370 |
| *SM45E-1523 | 152,300 | 173,600 | 36,400 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,340 |
| *SM46E-1754 | 175,400 | 184,600 | 33,200 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,400 |
| *SM44E-1769 | 176,900 | 201,800 | 36,530 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,469 |
| *SM45E-1985 | 198,500 | 226,300 | 34,800 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,540 |
| *SM46E-2307 | 230,700 | 242,800 | 32,530 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,600 |
| SV MODEL - Low Temperature Only – Below +30°F | | | | | | | | | | | | |
| SV14E-422 | 42,200 | - | 11,250 | 5.4 | 2.1 | 2.5 | 2.5 | 2.5 | 77.00 | 38.50 | 40.50 | 440 |
| SV15E-468 | 46,800 | - | 11,125 | 5.4 | 2.1 | 2.5 | 2.5 | 2.5 | 77.00 | 38.50 | 40.50 | 450 |
| SV16E-664 | 66,400 | - | 11,000 | 5.4 | 2.1 | 2.5 | 2.5 | 2.5 | 77.00 | 38.50 | 40.50 | 470 |
| SV14E-550 | 55,000 | - | 11,250 | 5.4 | 2.1 | 2.5 | 2.5 | 2.5 | 77.00 | 38.50 | 40.50 | 495 |
| SV15E-611 | 61,100 | - | 11,125 | 5.4 | 2.1 | 2.5 | 2.5 | 2.5 | 77.00 | 38.50 | 40.50 | 505 |
| SV16E-684 | 68,400 | - | 11,000 | 5.4 | 2.1 | 2.5 | 2.5 | 2.5 | 77.00 | 38.50 | 40.50 | 530 |
| SV24E-834 | 83,400 | - | 24,225 | 10.8 | 4.2 | 5.0 | 5.0 | 5.0 | 134.25 | 38.50 | 40.50 | 836 |
| SV25E-926 | 92,600 | - | 23,125 | 10.8 | 4.2 | 5.0 | 5.0 | 5.0 | 134.25 | 38.50 | 40.50 | 874 |
| SV26E-1005 | 100,500 | - | 22,800 | 10.8 | 4.2 | 5.0 | 5.0 | 5.0 | 134.25 | 38.50 | 40.50 | 912 |
| SV24E-1088 | 108,800 | - | 23,000 | 10.8 | 4.2 | 5.0 | 5.0 | 5.0 | 134.25 | 38.50 | 40.50 | 860 |
| SV25E-1206 | 120,600 | - | 22,000 | 10.8 | 4.2 | 5.0 | 5.0 | 5.0 | 134.25 | 38.50 | 40.50 | 900 |
| SV26E-1311 | 131,100 | - | 21,550 | 10.8 | 4.2 | 5.0 | 5.0 | 5.0 | 134.25 | 38.50 | 40.50 | 920 |
| SV34E-1177 | 117,700 | - | 35,750 | 16.2 | 6.3 | 7.5 | 7.5 | 7.5 | 134.25 | 38.50 | 51.00 | 1,030 |
| SV35E-1304 | 130,400 | - | 34,125 | 16.2 | 6.3 | 7.5 | 7.5 | 7.5 | 134.25 | 38.50 | 51.00 | 1,050 |
| SV36E-1418 | 141,800 | - | 33,400 | 16.2 | 6.3 | 7.5 | 7.5 | 7.5 | 134.25 | 38.50 | 51.00 | 1,060 |
| SV34E-1530 | 153,000 | - | 34,250 | 16.2 | 6.3 | 7.5 | 7.5 | 7.5 | 134.25 | 38.50 | 51.00 | 1,195 |
| SV35E-1698 | 169,800 | - | 32,625 | 16.2 | 6.3 | 7.5 | 7.5 | 7.5 | 134.25 | 38.50 | 51.00 | 1,215 |
| SV36E-1843 | 184,300 | - | 32,000 | 16.2 | 6.3 | 7.5 | 7.5 | 7.5 | 134.25 | 38.50 | 51.00 | 1,240 |
| *SV44E-1699 | 169,900 | - | 47,650 | 21.6 | 8.4 | 10.0 | 10.0 | 10.0 | 173.00 | 38.50 | 52.50 | 1,370 |
| *SV45E-1883 | 188,300 | - | 45,500 | 21.6 | 8.4 | 10.0 | 10.0 | 10.0 | 173.00 | 38.50 | 52.50 | 1,340 |
| *SV46E-2047 | 204,700 | - | 44,500 | 21.6 | 8.4 | 10.0 | 10.0 | 10.0 | 173.00 | 38.50 | 52.50 | 1,400 |
| *SV44E-2052 | 205,200 | - | 45,650 | 21.6 | 8.4 | 10.0 | 10.0 | 10.0 | 173.00 | 38.50 | 52.50 | 1,469 |
| *SV45E-2274 | 227,400 | - | 43,600 | 21.6 | 8.4 | 10.0 | 10.0 | 10.0 | 173.00 | 38.50 | 52.50 | 1,540 |
| *SV46E-2472 | 247,200 | - | 42,700 | 21.6 | 8.4 | 10.0 | 10.0 | 10.0 | 173.00 | 38.50 | 52.50 | 1,600 |

Capacity Ratings are based on sensible heat removal with a TEV fed, medium frosted coil when:

- Fan motor heat is not included in ratings – add 4000 BTUH per fan to room load for SM units, or 6600 BTUH per fan to room load for SV units.

- Derate 12% for 50 HZ (0.88 multiplier) or increase TD to compensate for lower fan RPM. Insulated drain pan standard on Electric Defrost and Gas Defrost.

***NOTE: Four fan SM/SV for low temperature requires two TEVs.**

SM/SV Series Unit Coolers

HOT GAS DEFROST SPECIFICATIONS

LOW / MEDIUM TEMPERATURE

| MODEL | CAP. (BTUH) @ 10°F TD | | AIR FLOW (CFM) | FAN MOTOR AMPS | | | | | DIMENSIONS (IN) | | | SHIPPING WGT. (LBS) |
|--------------|-----------------------|----------|----------------|----------------|----------|----------|-------|-------|-----------------|-------|-------|---------------------|
| | -20° SST | +20° SST | | 208-230/3 | 380/3/50 | 380/3/60 | 460/3 | 575/3 | L | W | H | |
| SM14()-384 | 38,400 | 40,300 | 9,690 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 440 |
| SM15()-426 | 42,600 | 44,700 | 9,250 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 450 |
| SM16()-440 | 44,000 | 46,300 | 8,810 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 470 |
| SM14()-501 | 50,100 | 52,600 | 9,330 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 495 |
| SM15()-556 | 55,600 | 58,400 | 8,900 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 505 |
| SM16()-574 | 57,400 | 60,400 | 8,400 | 4.8 | 2.3 | 2.3 | 2.4 | 1.8 | 77.00 | 38.50 | 40.50 | 530 |
| SM24()-759 | 75,900 | 79,700 | 19,380 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 836 |
| SM25()-842 | 84,200 | 88,400 | 18,500 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 874 |
| SM26()-869 | 86,900 | 91,500 | 17,600 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 912 |
| SM24()-989 | 98,900 | 103,800 | 18,400 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 860 |
| SM25()-1097 | 109,700 | 115,200 | 17,600 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 900 |
| SM26()-1132 | 113,200 | 119,200 | 16,800 | 9.6 | 4.6 | 4.6 | 4.8 | 3.6 | 134.25 | 38.50 | 40.50 | 920 |
| SM34()-1070 | 107,000 | 112,300 | 28,600 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,030 |
| SM35()-1186 | 118,600 | 124,500 | 27,300 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,050 |
| SM36()-1225 | 122,500 | 128,900 | 24,900 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,060 |
| SM34()-1393 | 139,300 | 146,300 | 27,400 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,195 |
| SM35()-1544 | 154,400 | 162,100 | 26,100 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,215 |
| SM36()-1594 | 159,400 | 167,800 | 25,800 | 14.4 | 6.9 | 6.9 | 7.2 | 5.4 | 134.25 | 38.50 | 51.00 | 1,240 |
| SM44()-1465 | 146,500 | 167,000 | 38,130 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,370 |
| SM45()-1523 | 152,300 | 173,600 | 36,400 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,340 |
| SM46()-1754 | 175,400 | 184,600 | 33,200 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,400 |
| SM44()-1769 | 176,900 | 201,800 | 36,530 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,469 |
| SM45()-1985 | 198,500 | 226,300 | 34,800 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,540 |
| SM46()-2307 | 230,700 | 242,800 | 32,530 | 19.2 | 9.2 | 9.2 | 9.6 | 7.2 | 173.00 | 38.50 | 52.50 | 1,600 |

NOTE: Available Types of Defrost: (P) KGE - 2 Pipe Kool Gas with Electric Pan, (K) KGG - 2 Pipe Kool Gas with Kool Gas Pan, (H) HGE - 3 Pipe Hot Gas with Electric Pan, (G) HGG - 3 Pipe Hot Gas with Hot Gas Pan. Insulated drain pan standard on electric defrost and gas defrost models.

*NOTE: Four fan SM/SV for low temperature requires two TEVs.

Levitor II Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

Standard Features



Use your QR reader to reference current document version on www.krack.com.

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

LEVITOR Coil Design Eliminates Refrigerant Tube Wear

- Smaller size and less weight reduces building construction cost.
- The new coil has less internal volume resulting in a significant reduction in refrigerant charge. Less refrigerant is environmentally friendly.
- Coil slabs are easily replaced from the rear of the unit.
- Optional features available. Contact your sales representative for more details.

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 circuiting 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 Electro-fin 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.

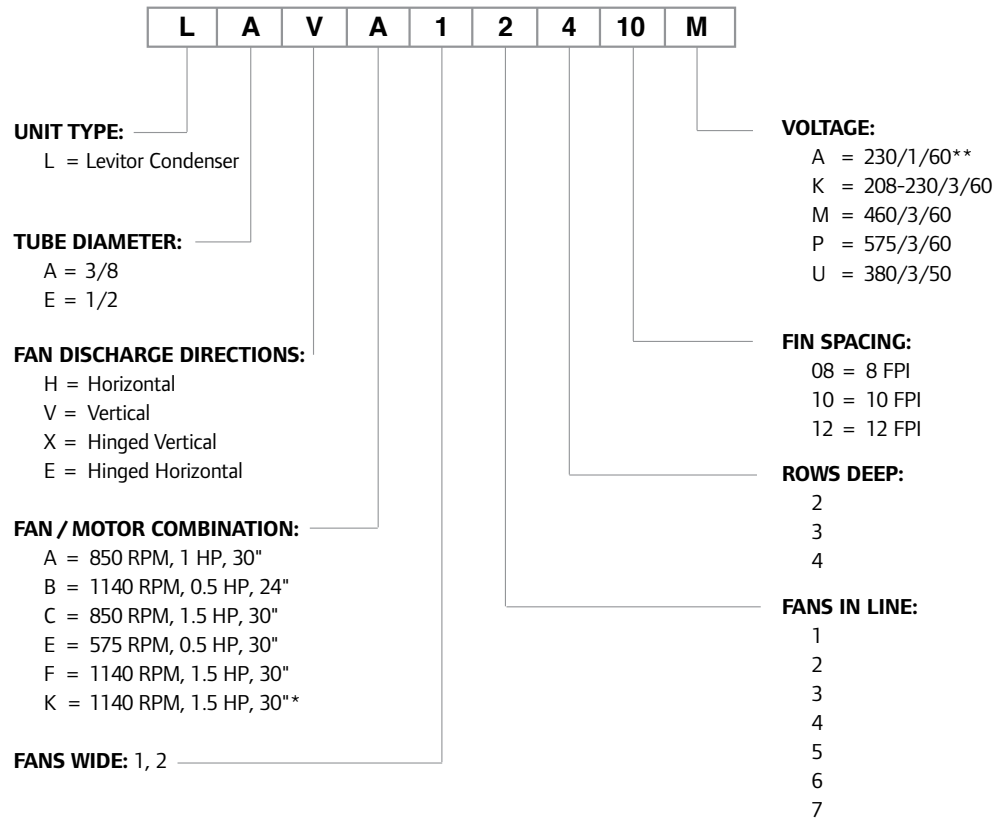
Versatile Fan Cycling Control Methods

- 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

Levitor II Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

Model Key



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 |

Levitor II Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

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.

Levitor II Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

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 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

LAVF/LAVK Performance Data

(1.5 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 | | | | | | | | | | | | | |
| | 10°F | 15°F | 20°F | 25°F | 10°F | 15°F | 20°F | 25°F | | | | | | |
| 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 | 158,522 | Compliant | 152 | 620 | 84 | 5691 |
| LEV()-27310 | 1036.3 | 1554.4 | 2072.6 | 2590.7 | 1024.8 | 1537.2 | 2049.7 | 2562.1 | 156,058 | Compliant | 152 | 620 | 84 | 5734 |
| LEV()-27312 | 1145.7 | 1718.6 | 2291.4 | 2864.3 | 1144.6 | 1716.9 | 2289.3 | 2861.6 | 153,566 | No | 152 | 620 | 84 | 5826 |
| LEV()-27408 | 1094.2 | 1641.3 | 2188.4 | 2735.5 | 1088.6 | 1633.0 | 2177.3 | 2721.6 | 153,636 | Compliant | 196 | 826 | 84 | 6208 |
| LEV()-27410 | 1225.9 | 1838.8 | 2451.8 | 3064.7 | 1238.2 | 1857.3 | 2476.4 | 3095.5 | 150,220 | Compliant | 196 | 826 | 84 | 6266 |
| LEV()-27412 | 1331.3 | 1996.9 | 2662.6 | 3328.2 | 1360.1 | 2040.2 | 2720.3 | 3400.3 | 146,804 | No | 196 | 826 | 84 | 6382 |

See NOTES on 50 HZ operation and TEMPERATURE DIFFERENCE on page 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

LAVE Performance Data

(1.5 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 | | | | | | | | | | | | | |
| | 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 | 856.6 | 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 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

LAVE Performance Data

(1.5 HP - 575 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 | | | | | | | | | | | | | |
| | 10°F | 15°F | 20°F | 25°F | 10°F | 15°F | 20°F | 25°F | | | | | | |
| 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 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

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 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

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 | | | | | | |
| 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 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

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 | | | | 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 | | | | | | |
| 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 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

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 | | | | R-407A, R-448A / R-449A | | | | | | SUMMER | WINTER | | |
| | TEMPERATURE DIFFERENCE | | | | | | | | | | | | | |
| | 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 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

LAVB Performance Data

(0.5 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 | | | | | | | | | | | | | |
| | 10°F | 15°F | 20°F | 25°F | 10°F | 15°F | 20°F | 25°F | | | | | | |
| 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 19. See Correction Factor Table for refrigerant charge on page 18. 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 Series Air-Cooled Condenser

(Available for Fluid Cooler Applications)

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 | | | | | | | | | | | | | |
| | 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 19. See Correction Factor Table for refrigerant charge on page 18. 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.

Microchannel Air-Cooled Condenser

Standard Features

Krack's new Microchannel Remote Air-Cooled Condenser incorporates a new patented modular assembly.

- Smaller size and less weight reduces building construction cost.
- The new coil has less internal volume resulting in a significant reduction in refrigerant charge. Less refrigerant is environmentally friendly.
- Coil slabs are easily replaced from the rear of the unit.



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Environmentally Friendly Benefits

- **Reduced Coil Internal Volume** - Resulting in a significant reduction in condenser operating and flooding charge.
- **Quiet Fans** - "Swept-wing" blade design offers lower noise levels at the same speed. Quiet multi-bladed direct driven propeller fans provide uniform air distribution through the coil. Venturi fan orifices optimize efficiency. Lower noise condensers can translate into savings by minimizing the need for costly noise barriers.
- **California Energy Commission** - All Microchannel condensers are compliant with CEC Title 24 condenser efficiency requirements.
- **Vspeed Variable Speed** - Variable speed fan motors are now available as an option in K model.

Model Key



UNIT TYPE:

MX = Microchannel

FAN/MOTOR

COMBINATION:

- A = 850 RPM, 1 HP, 30"
- 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"*

MOTOR VOLTAGE:

- K = 208-230/3/60
- M = 460/3/60
- P = 575/3/60
- U = 380/3/50**

NUMBER OF FANS:

- | | |
|---|----|
| 2 | 10 |
| 4 | 12 |
| 6 | 14 |
| 8 | |

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.

** 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.

Microchannel Air-Cooled Condenser

Benefits and Features

REMOTE AIR-COOLED CONDENSER

Patented Microchannel Condenser Modular Assembly Design (Patent #6988538)

- Arranged for vertical air discharge.
- Multi-fan sections compartmented to allow individual fan cycling while preventing off-fan “windmilling.”
- Removable end panel for clean out and service access.

Corrosion Resistant

- All models employ mill galvanized steel fan sections and coil side baffles.
- Legs are heavy mill gauge galvanized steel.
- Corrosion resistance is improved with an all aluminum microchannel coil, reducing the chance for galvanic corrosion that exists on traditional copper tube and aluminum fin coils. Additionally, the microchannel tubes are coated with a sacrificial metallic layer that is less noble than the tube, fin, and braze material.

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 MXK 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.

COMPACT DESIGN

- Lighter weight.
 - Up to 35% weight reduction compared to traditional condenser design.
- Modular construction and fewer parts.
 - Available in 2 to 14 fan models.

PROTECTIVE COVER PANELS

Weather Resistant Fan Motors

- 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 suitable fan motors are standard for 230/3 and 460/3.
- Variable speed fan motors available in 230/3 and 460/3.

Versatile Fan Cycling Control Methods

- Electronic relay boards.
- Pressure fan cycling.
- Temperature fan cycling.

Replaceable High Efficiency Coil

- Extruded aluminum microchannel coil construction increases coil efficiency, while reducing refrigerant operating charge, unit weight and footprint.
- Unit design allows for coil replacement from rear of unit.

OPTIONAL FEATURES

- Electro-fin coated coils.
- Mounted receiver.
- Reusable air filter.
- Winter reduction control solenoids.
- Modular isolation ball valves.

Modular Winter Reduction Solenoid

- Maintains condenser pressure by isolating coil sections in conjunction with fan cycling.
- Reduction in coil volume results in reduced refrigerant operating and flooding charge.

Microchannel Air-Cooled Condenser

Applications

- **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 model resulting in the same refrigerant side pressure drops. Compressor discharge lines should have equal pressure drops to each condenser.
- **Condenser Refrigerant Charge** for Summer conditions are listed on the Performance Data Table. The additional Winter Flooding charge required is difficult to predict with fan cycling and is maximized with holdback; however, the maximum additional refrigerant charge is also listed on the Performance Data Table for Winter conditions at -20 °F. The Summer operating and Winter maximum flooding charge is substantially less than that required for traditional tube and fin condensers due to the reduced internal volume of the microchannel coils. Further reduction in flooding charge can be obtained with the “Modular Winter Reduction” option, by “shutting down” the associated refrigerant circuit in combination with fan cycling.
- **Receiver Capacity** should be sized to store condenser winter charge.
- **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.

Microchannel Air-Cooled Condenser

Performance Data

| PERFORMANCE DATA | | | | | | | | | | | | |
|--|----------|-------------------------------|--------|--------|-------------------------|--------|--------|----------------|----------------------|----------------------------|----------------------------|-------------------|
| | MX MODEL | TOTAL HEAT OF REJECTION (MBH) | | | | | | AIR FLOW (CFM) | SOUND dBA EST @10 FT | SUMMER CHARGE (LBS R-404A) | WINTER CHARGE (LBS R-404A) | SHIP WEIGHT (LBS) |
| | | R-404A/R-507A | | | R-407A, R-448A / R-449A | | | | | | | |
| | | TEMP DIFFERENCE | | | TEMP DIFFERENCE | | | | | | | |
| | | 10°F | 15°F | 20°F | 10°F | 15°F | 20°F | | | | | |
| MXF / MXK 1.5 HP 1140 RPM | MX()-02 | 164.2 | 246.3 | 328.4 | 161.6 | 242.4 | 323.2 | 25,600 | 75 | 4 | 12 | 560 |
| | MX()-04 | 328.4 | 492.6 | 656.8 | 323.2 | 484.8 | 646.4 | 51,200 | 78 | 15 | 26 | 1,170 |
| | MX()-06 | 492.6 | 738.9 | 985.2 | 484.8 | 727.2 | 969.6 | 76,800 | 80 | 23 | 40 | 1,705 |
| | MX()-08 | 656.8 | 985.2 | 1313.6 | 646.4 | 969.6 | 1292.8 | 102,400 | 81 | 40 | 55 | 2,280 |
| | MX()-10 | 821.0 | 1231.5 | 1642.0 | 808.0 | 1212.0 | 1616.0 | 128,000 | 82 | 52 | 70 | 2,850 |
| | MX()-12 | 985.2 | 1477.8 | 1970.4 | 969.6 | 1454.4 | 1939.2 | 153,600 | 83 | 80 | 88 | 3,385 |
| | MX()-14 | 1149.4 | 1724.1 | 2298.8 | 1131.2 | 1696.8 | 2262.4 | 179,200 | 84 | 108 | 119 | 3,920 |
| MXC 1.5 HP 850 RPM | MXC-02 | 153.5 | 230.3 | 307.0 | 149.9 | 224.9 | 299.8 | 22,830 | 68 | 4 | 12 | 560 |
| | MXC-04 | 307.0 | 460.5 | 614.0 | 299.8 | 449.7 | 599.6 | 45,660 | 71 | 15 | 26 | 1,170 |
| | MXC-06 | 460.5 | 690.8 | 921.0 | 449.7 | 674.6 | 899.4 | 68,490 | 73 | 23 | 40 | 1,705 |
| | MXC-08 | 614.0 | 921.0 | 1228.0 | 599.6 | 899.4 | 1199.2 | 91,320 | 74 | 40 | 55 | 2,280 |
| | MXC-10 | 767.5 | 1151.3 | 1535.0 | 749.5 | 1124.3 | 1499.0 | 114,150 | 75 | 52 | 70 | 2,850 |
| | MXC-12 | 921.0 | 1381.5 | 1842.0 | 899.4 | 1349.1 | 1798.8 | 136,980 | 76 | 80 | 88 | 3,385 |
| | MXC-14 | 1074.5 | 1611.8 | 2149.0 | 1049.3 | 1574.0 | 2098.6 | 159,810 | 77 | 108 | 119 | 3,920 |
| MXA 1.0 HP 850 RPM | MXA-02 | 146.2 | 219.3 | 292.4 | 141.2 | 211.8 | 282.4 | 20,800 | 66 | 4 | 12 | 560 |
| | MXA-04 | 292.4 | 438.6 | 584.8 | 282.4 | 423.6 | 564.8 | 41,600 | 69 | 15 | 26 | 1,170 |
| | MXA-06 | 438.6 | 657.9 | 877.2 | 423.6 | 635.4 | 847.2 | 62,400 | 71 | 23 | 40 | 1,705 |
| | MXA-08 | 584.8 | 877.2 | 1169.6 | 564.8 | 847.2 | 1129.6 | 83,200 | 72 | 40 | 55 | 2,280 |
| | MXA-10 | 731.0 | 1096.5 | 1462.0 | 706.0 | 1059.0 | 1412.0 | 104,000 | 73 | 52 | 70 | 2,850 |
| | MXA-12 | 877.2 | 1315.8 | 1754.4 | 847.2 | 1270.8 | 1694.4 | 124,800 | 74 | 80 | 88 | 3,385 |
| | MXA-14 | 1023.4 | 1535.1 | 2046.8 | 988.4 | 1482.6 | 1976.8 | 145,600 | 75 | 108 | 119 | 3,920 |
| MXE 0.5 HP 575 RPM | MXE-02 | 104.5 | 156.8 | 209.0 | 101.8 | 152.7 | 203.6 | 12,600 | 55 | 4 | 12 | 560 |
| | MXE-04 | 209.0 | 313.5 | 418.0 | 203.6 | 305.4 | 407.2 | 25,200 | 58 | 15 | 26 | 1,170 |
| | MXE-06 | 313.5 | 470.3 | 627.0 | 305.4 | 458.1 | 610.8 | 37,800 | 60 | 23 | 40 | 1,705 |
| | MXE-08 | 418.0 | 627.0 | 836.0 | 407.2 | 610.8 | 814.4 | 50,400 | 61 | 40 | 55 | 2,280 |
| | MXE-10 | 522.5 | 783.8 | 1045.0 | 509.0 | 763.5 | 1018.0 | 63,000 | 62 | 52 | 70 | 2,850 |
| | MXE-12 | 627.0 | 940.5 | 1254.0 | 610.8 | 916.2 | 1221.6 | 75,600 | 63 | 80 | 88 | 3,385 |
| | MXE-14 | 731.5 | 1097.3 | 1463.0 | 712.6 | 1068.9 | 1425.2 | 88,200 | 64 | 108 | 119 | 3,920 |

NOTE FOR ABOVE TABLE:

See NOTES on 50 HZ operation and TEMPERATURE DIFFERENCE on page 19. 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.

NOTE FOR RIGHT TABLE:

For units using 380/3/50, multiply capacity by 0.90.

1. Additional winter flooding charge shown is without module isolation/reduction.
2. Ship weight includes "ship loose" leg weights.
3. Sound data is an estimate only. It can be greatly affected by surroundings.

CORRECTION FACTOR FOR OTHER REFRIGERANTS

| 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-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 |

Levitor II/Microchannel Air-Cooled Condensers

Control Panel Nomenclature

CPC PT B 3 3 1 N R

RELAY BOARD (Optional)

If supplied with condenser - specify:
Danfoss, CPC,
Other

K MOTOR CONTROLLERS:

Emerson = CPC
Johnson Controls = JCI
MicroThermo = MTH1
Danfoss = DAN

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

Note:

* Vspeed Variable Speed - Header End Fans only
** Without Transformer - Control Voltage from source outside of Condenser Control Panel

Fuses are required with "K" drives for AIC/SCCR ratings. Breakers are not allowed.

RECEIVER OPTION:

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

AMBIENT AIR SENSOR FOR SPLIT:

T = Sensor Provided
N = Sensor Not Required

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)

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

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

H-Series Legacy Condensing Units

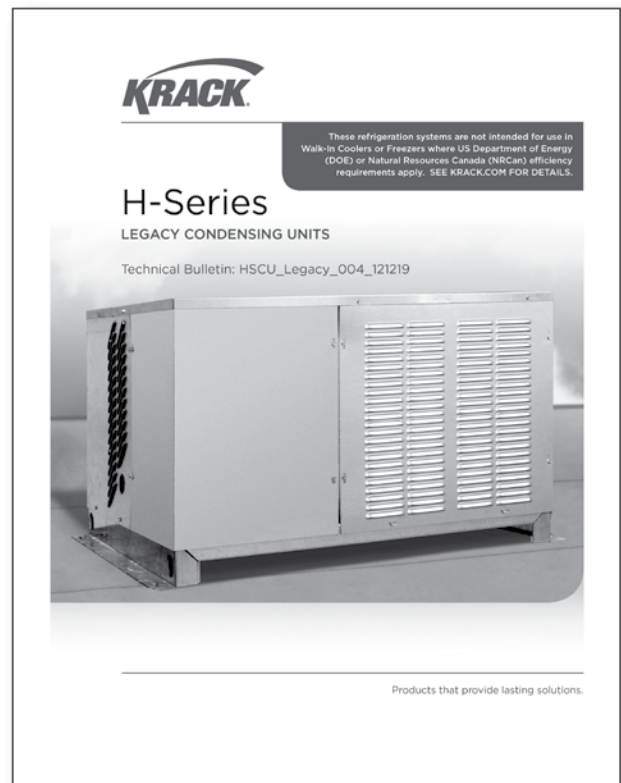
All Model Specifications

H-Series condensing units provide a robust design for a long service life with Copeland (Scroll, Discus or Semi-Hermetic) or Bitzer Ecoline compressors with nominal horsepower ranging from ½ to 12 hp for medium temperature and 15 hp low temperature. Outdoor units with typical options can be quoted with typical options using the Technical Bulletin and Price List.



Additional options are available for indoor, stackable, water-cooled, 575/3/60 voltage and many others are available for selection through the H-Series software.

For detailed information on Performance Data and Electrical Specifications, please reference the H-Series Condensing Units Technical Bulletin: HSCU_Legacy_004_121219 found at www.krack.com.



Use your QR reader to reference current document version on www.krack.com.

These refrigeration systems are not intended for use in Walk-In Coolers or Freezers where US Department of Energy (DOE) or Natural Resources Canada (NRCAN) efficiency requirements apply. SEE KRACK.COM FOR DETAILS.

H-Series Legacy Condensing Units

Model Key

H T S D - 100 0 L S K F F

SERIES

UNIT TYPE:

- N = Indoor
- T = Outdoor
- R = Remote
- S = Satellite

BASE:

- S = Standard
- H = Heavy-Duty

COMPRESSOR VENDOR:

- S = Copeland Semi-Hermetic
- D = Copeland Discus
- Z = Copeland Scroll
- B = Bitzer Ecoline Motor 2*
- E = Bitzer Ecoline Motor 1**

COMPRESSOR HORSEPOWER:

- 005 = 1/2 hp
- 030 = 3 hp
- 100 = 10 hp

ALTERNATIVE:

- 0 = Basic
- 1 = First Alternative
- 2 = Second Alternative

TEMPERATURE RANGE:

- M = Medium (Max. Evap. Temp. = +35°F)
- L = Low (Max. Evap. Temp. = +0°F)

RECEIVER SIZE:

- A = 6" x 12"
- B = 6" x 18"
- C = 6" x 23"
- D = 6" x 30"
- E = 8.625" x 30"
- F = 10.75" x 30"
- G = 10.75" x 38"
- H = 12.75" x 30"
- X = No Receiver

CONDENSER SIZE:

- A = Small, 3-Row, 1-Fan
- B = Medium, 3-Row, 1-Fan
- C = Medium, 3-Row, 2-Fan
- D = Medium, 4-Row, 2-Fan
- E = Large, 3-Row, 4-Fan
- F = Large, 4-Row, 4-Fan
- J = XLarge, 4-Row, 6-Fan

VOLTAGE:

- D = 208-230V/1 pH/60 HZ
- K = 208-230V/3 pH/60 HZ
- M = 460V/3 pH/60 HZ
- P = 575V/3 pH/60 HZ
- U = 380V/3 pH/50 HZ

REFRIGERANT:

- S = R-404A
- P = R-507A
- Q = R-407A
- F = R-407F
- T = R-448A
- R = R-449A

NOTE: Units are ordered refrigerant specific (i.e. "S" for R-404A) but will include other refrigerants that can also be used on the data plate.

* Bitzer Ecoline Motor 2 does not operate above 35°F SST.

** Bitzer Ecoline Motor 1 are 'extended' medium temperature and will operate above 35°F SST up to 45°F SST.

These refrigeration systems are not intended for use in Walk-In Coolers or Freezers where US Department of Energy (DOE) or Natural Resources Canada (NRCAN) efficiency requirements apply. SEE KRACK.COM FOR DETAILS.

H-Series Legacy Condensing Units

Standard and Optional Features

| FEATURE | STANDARD | OPTIONAL |
|------------------------|--|---|
| Condenser Type | Outdoor Air Cooled | Indoor Air Cooled (Stackable) Remote Condenser Water-Cooled |
| Unit Power | 208-230/1/60 208-230/3/60 460/3/60 575/3/60 | 380/3/50 |
| Control Circuit | 230/1/60 | 115/1/60 |
| Main Protection Type | Fused | Circuit Breaker |
| Main Power Disconnect | None | Non-Fused (ship loose), Fused (ship loose) |
| Condenser Coil | Aluminum Fins on Copper Tubes | Electrofin Coil-Coating |
| Condenser Fan Motor(s) | PSC (Permanent Split Capacitor Type) | ECM (Electronically Commutated Motors) |
| Condenser Fan Control | Electro-Mechanical Switches (ON/OFF) | Electronic Fan-Cycling (ON/OFF) Multi-Speed Fan Motors |
| Frame/Receiver Type | Standard Base (Vertical Receiver) | Heavy-Duty Base (Horizontal Receiver) |
| Receiver | Standard | Larger Sizes Available Heat and Insulation |
| Pressure Relief | Fusible Plug | Relief Valve |
| Controls | Electro-Mechanical Pressure Switches | Electronic Controls |
| Certifications | UL Listed (USA and Canada) | |
| Shipping | Skid | Crate |
| Head Pressure Control | Fixed Setting | Adjustable |
| Compressor Oil Control | None | Emerson OMC (requires Separator) Sporlan Mechanical Float (requires Separator) |
| Oil Separator | None | Helical Oil Separator |
| High Pressure Control | Cartridge Auto Reset | Cartridge Manual Reset Adjustable Manual or Auto Reset |
| Defrost Method | Time Clock | Contactors and Fuses, Contactors and Breaker |
| Suction Filter | None | Sealed Steel Replaceable Core Brass Replaceable Core |
| Suction Insulation | None | 1/2", 3/4" or 1" |
| Liquid Drier | Sealed with Sight Glass | Replaceable Core with Sight Glass |
| Suction Accumulator | None | Accumulator Accumulator with Boil-Out |

Available with either Scroll or Reciprocating compressors. Nominal compressor capacities up to 16 hp.

These refrigeration systems are not intended for use in Walk-In Coolers or Freezers where US Department of Energy (DOE) or Natural Resources Canada (NRCAN) efficiency requirements apply. SEE KRACK.COM FOR DETAILS.

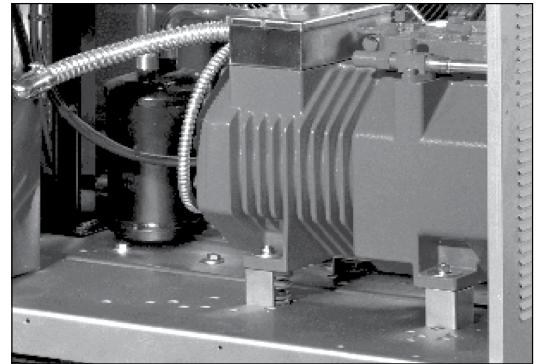
High Efficiency (HE) H-Series Condensing Units

All Model Specifications

High Efficiency H-Series condensing units were developed and tested to provide AWEF values for application on walk-in coolers and freezers covered by the DOE and NRCan regulations. The HE platform provides a more efficient with the same robust platform for a long-service life with Copeland (Scroll, Discus or Semi-Hermetic) or Bitzer Ecoline compressors with nominal horsepower ranging from ½ to 12 hp for medium temperature and 15 hp low temperature. Outdoor units with typical options can be quoted with typical options using the Technical Bulletin and Price List.

Additional options are available for indoor, stackable, water cooled, 575/3/60 voltage and many others are available for selection through the H-Series software.

For detailed information on Performance Data and Electrical Specifications, please reference the High Efficiency H-Series Condensing Units Technical Bulletin: HE_HSCU_006_032420 found at www.krack.com.



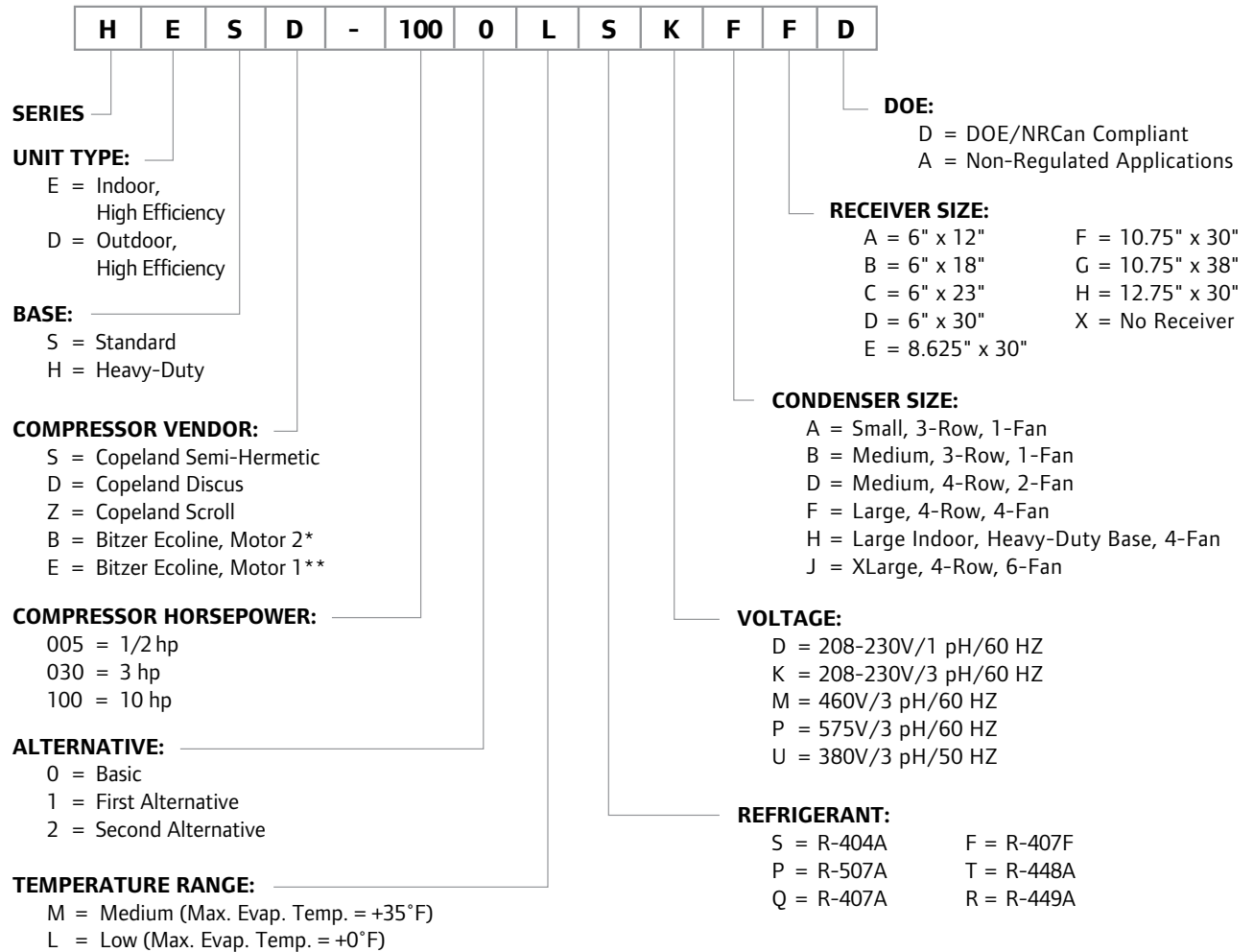
A wide range of compressors and refrigerants have been tested and include AWEF numbers to allow application on Walk-In Coolers and Freezers that are 3000 square feet or less in area.



Use your QR reader to reference current document version on www.krack.com.

High Efficiency (HE) H-Series Condensing Units

Model Key



NOTE: Units are ordered refrigerant specific (i.e. "S" for R-404A) but will include other refrigerants that can also be used on the data plate.

* Bitzer Ecoline Motor 2 does not operate above 35°F SST.

** Bitzer Ecoline Motor 1 are 'extended' medium temperature and will operate above 35°F SST up to 45°F SST.

High Efficiency (HE) H-Series Condensing Units

Standard and Optional Features

| FEATURE | STANDARD | OPTIONAL |
|------------------------|---|---|
| Condenser Type | Outdoor Air Cooled Indoor Air Cooled (stackable) | Remote Condenser Water-Cooled |
| Unit Power | 208-230/1/60 208-230/3/60 460/3/60 | 380/3/50 575/3/60 |
| Control Circuit | 230/1/60 | 115/1/60 |
| Main Protection Type | Fused | Circuit Breaker |
| Main Power Disconnect | None (power distribution block) | Non-Fused (ship loose) Fused (ship loose) |
| Condenser Coil | Aluminum Fins on Copper Tubes | Electrofin Coil-Coating |
| Condenser Fan Motor(s) | PSC (Permanent Split Capacitor Type) | ECM (under development) |
| Condenser Fan Control | Electro-Mechanical Switches (ON/OFF) | Electronic Fan-Cycling (ON/OFF) |
| Frame/Receiver Type | Standard Base (Vertical Receiver) | Heavy-Duty Base (Horizontal Receiver) |
| Receiver | Standard | Larger Sizes Available Heat and Insulation |
| Pressure Relief | Fusible Plug | Relief Valve |
| Controls | Electro-Mechanical Pressure Switches | Electronic Controls |
| Certifications | UL Listed (USA and Canada) | |
| Shipping | Crated | |
| Head Pressure Control | Adjustable (required for DOE) | |
| Compressor Oil Control | None | Emerson OMC (requires separator) Sporlan Mechanical Float (requires separator) |
| Oil Separator | None | Helical Oil Separator |
| High Pressure Control | Cartridge Auto Reset | Cartridge Manual Reset Adjustable Manual or Auto Reset |
| Defrost Method | Timer Clock | Electronic Contactors and Fuses for Electric Defrost |
| Suction Filter | None | Sealed Steel Replaceable Core Brass Replaceable Core |
| Suction Insulation | None | 1/2", 3/4" or 1" |
| Liquid Drier | Sealed with Sight Glass | Replaceable Core with Sight Glass |
| Suction Accumulator | None | Accumulator Accumulator with Boil-Out |

Available with either Scroll or Reciprocating compressors. Nominal compressor capacities up to 16 hp.

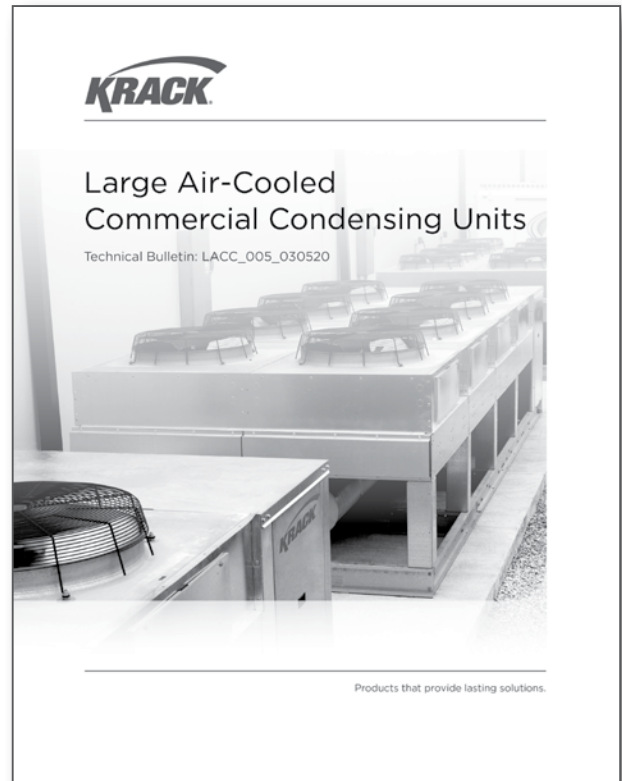
CS/CD/CP Condensing Units

All Model Specifications



C-Series condensing units incorporate a Levitor II condenser with one or two compressors for larger refrigeration loads. Compressors are available as either Copeland Discus or Bitzer Ecoline with sizes to a nominal 50 horsepower. Condensing units with a single refrigeration circuit have AWEF values for application on walk-in coolers and freezers covered by the DOE and NRCan regulations. Dual refrigeration circuit models are exempt from both regulations. Unit capacity for different refrigerants are shown in the Technical Bulletin and all standard options are selectable in the Price List.

For detailed information on Performance Data and Electrical Specifications, please reference the Large Air-Cooled Commercial Condensing Units Technical Bulletin: LACC_006_030520 found at www.krack.com.



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CS/CD/CP Condensing Units

Model Key

Character Position: 1,2 3 4 5,6,7,8 9 10 11 12

| | | | | | | | |
|----|---|---|------|---|---|---|---|
| CS | B | - | 0300 | - | L | Q | M |
|----|---|---|------|---|---|---|---|

CONDENSING UNIT FAMILY:

- CS = Commercial Single Compressor
- CP = Commercial Parallel Compressor
- CD = Commercial Dual Compressor

COMPRESSOR MANUFACTURER:

- D = Copeland Discus
- B = Bitzer Ecoline, Motor 2
- E = Bitzer Ecoline, Motor 1

TOTAL HP AND CONDENSER:

- xxx = Total Horsepower
- y = 0 for Standard Condenser
- 1 for Oversized Condenser
- 2 for Title 24 Condenser

APPLICATION TEMPERATURE:

- M = Medium
- L = Low

VOLTAGE:

- K = 208-230 V/3 pH/60 HZ
- M = 460 V/3 pH/60 HZ
- P = 575 V/3 pH/60 HZ
- U = 380 V/3 pH/50 HZ
(use 460 V/3 pH for electrical info)

REFRIGERANT:

- S = R-404A
- P = R-507A
- Q = R-407A
- F = R-407F
- T = R-448A
- R = R-449A

* Bitzer Ecoline Motor 2 does not operate above 35°F SST.

** Bitzer Ecoline Motor 1 are 'extended' medium temperature and will operate above 35°F SST up to 45°F SST.

CS/CD/CP Condensing Units

Standard Features

Large Air-Cooled Condensing Units Available in Standard, Oversize, and California Energy Commission (CEC) Title 24 Model Condenser Options

- Medium Temperature R-404A, R-407A, R-448A, R-449A and R-507
- Low Temperature R-404A, R-407A, R-448A, R-449A and R-507

Models

- CS Series Units are new, more efficiently sized units that have a reduced footprint, more standard features and provide increased options for sizing large jobs.
- CD Series Dual Units are two compressors piped independently for a separate circuit operation.
- CP Series Parallel Units are two compressors piped together to provide one refrigeration circuit.

Compressor

- Bitzer Compressors or Copeland Discus Compressors (CS, CP and CD models).
- CS Single Compressor units in nominal capacity ranges from 10 hp to 50 hp.
- CD Dual Compressor units with two independent refrigeration circuits in nominal capacity ranges from 10 hp to 80 hp.
- CP Parallel Compressor units with a common refrigeration circuit in nominal capacity ranges from 10 hp to 80 hp.
- Factory balanced and rigid mounted to reduce risk of line fatigue failure and vibration eliminator leaks.
- Internal motor overheat protection.
- Crankcase heater is de-energized during compressor operation for energy savings.
- Oil level sight glass.
- CS, CP and CD models use an internal driven shaft oil pump with manual reset oil safety control.
- Back-seating suction and discharge valves.
- Safety controls are factory installed using high armored capillary tube to prevent cap tube leaks.
 - Automatic reset low pressure control
 - Manual reset high pressure control

Condenser

- Constructed with 3/8" grooved tubing for maximum efficiency.
- Separate sub-cooling circuit is piped through receiver to insure liquid at TEV.
- Adjustable head pressure system (flooding) for low ambient operation.
- Mechanically bonded, die formed, aluminum fin stock with full self-spacing collars.
- Maximum 10 FPI for efficiency and ease of maintenance.
- Generous sizing allows low head pressure operation.
- Oversized, high capacity condenser option for critically high ambient or capacity requirements.
- California Energy Commission (CEC) Title 24 option with efficiency of 65 btuh/watt to meet the regulation.
- Suspended coil design eliminates tube sheet leaks.

CS/CD/CP Condensing Units

Standard Features

Receiver

- Amply sized to allow for unit flooding charge, evaporator and 100 ft. liquid line.
 - Pressure relief valve
 - Charging valve

Fans

- 30" statically and dynamically balanced direct drive fans with a separate motor for each fan.
- Fan sections are divided by full width baffles to prevent air by-pass.
- Standard three phase, 1.5 hp motor achieves 1140 RPM.
- Each fan is protected by a heavy gauge, corrosion resistant fan guard.
- Inverter Duty Suitable motor (230/3 and 460/3 only).
- The "swept-wing" blade design for lower noise levels.

Control Panel

- Fully enclosed and weather proofed.
- Single point connections provide reliable distribution to panel components.
- Dual compartments, separate line voltage and controls for safety during service.
- Lockable with field supplied padlock.
- Manual pump down switch for ease of service.
- 230V; single phase control voltage is standard.
 - A transformer is included where necessary.
- Power and control circuit terminal strip.

Refrigerant Circuit

- Replaceable core liquid line filter drier.
- Sight glass at receiver outlet for charging.
- Suction accumulator is included on low temperature units.

Construction Features

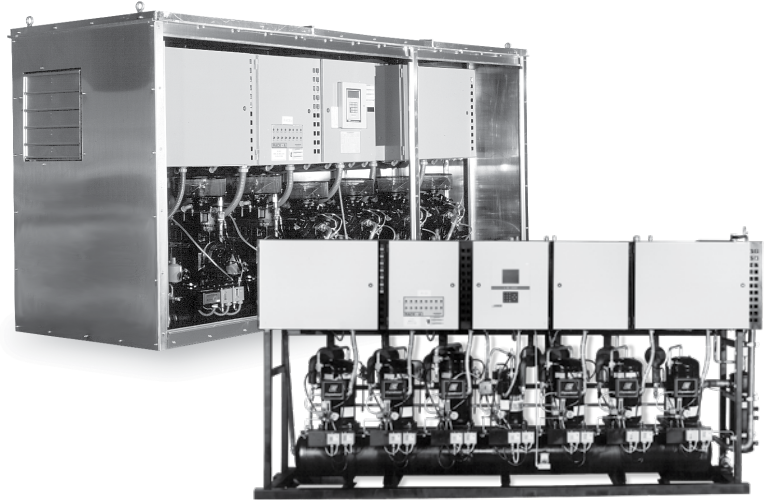
- Galvanized cabinet.

Optional Features

- 115 control voltage with transformer.
- Oil separator system to activate flow of oil. (Recommended for room temperatures of -10°F and below.)
- Suction accumulator (medium temperature).
- Sealed or replaceable core suction filter.
- Heated and insulated receiver.
- Electrical control panel with all necessary controls to run electric defrost evaporators (includes timer, contactors).
- Air defrost timer or timer with defrost contactor and fuses for electric defrost.
- Fused disconnect shipped loose.
- Mounted non-fused disconnect with interlock.
- Cylinder unloaders for compressors.
- Alternate fin materials, such as vinyl and copper, can be specified for adverse environmental conditions.
- Condenser access/clean out doors.
- Electro-fin coating.

Parallel Rack Compressor Systems

Standard Features



Hussmann pioneered the development of integrated refrigeration systems and now offers a complete selection of advanced parallel racks which are available under the Krack brand.

- **Flexible:** Custom designed, engineered, and manufactured under the supervision of the experienced applications and design engineers in the Non Traditional Request (NTR) group for each application and to meet specific customer requirement.
- **Reliable Performance:** High-quality components, advanced manufacturing techniques, and extensive quality testing ensures reliable performance and the lowest warranty cost in the industry.
- **Energy Efficiency and Reliability:** Multiple compressor options, sub-cooling techniques, and proprietary technologies are used to maximize efficiency and provide long service life.



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Protocol Refrigeration Systems

Standard Features

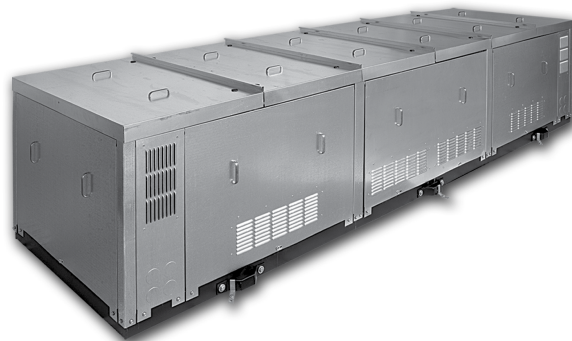


Hussmann's proprietary Protocol and Proto-Aire units are also available. These smaller "distributed" parallel compressor systems provide options to locate systems closer to the refrigeration loads for cost and refrigerant savings over a more traditional centralized refrigeration system.

- Indoor Protocols are available in vertical and horizontal configurations with 2 to 8 scroll compressors.
- Outdoor Proto-Aire and OLP (Outdoor Low Profile) are available with up to 6 scroll compressors.
- Refrigeration systems close to the refrigeration loads with loop piping significantly reduce refrigerants charge of HFC/HFO in the system.
- Pre-bent tubing on the Protocol and loop piping also have significantly lower refrigerant leak rates.
- Applications of the variety of systems options is available through the experienced engineers in the NTR group.



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