

KVP Series AHRI Ratings, Weight Information, & Heating Capacity

AHRI STANDARD RATINGS

| Unit Size | Coil | | Airflow CFM (Dry Flow) | Cooling Capacity | | Water | | Power Input (WATTS) |
|-----------|------|-----|------------------------|------------------|-----------|-----------------|-------------|---------------------|
| | Rows | FPI | | QT (BTUH) | QS (BTUH) | Flow Rate (GPM) | WPD (ft-wg) | |
| KVP03 | 3 | 14 | 346 | 12649 | 8920 | 2.5 | 6.36 | 66 |
| KVP04 | 3 | 14 | 441 | 15649 | 11060 | 3.1 | 8.48 | 118 |
| KVP06 | 3 | 14 | 601 | 23430 | 16069 | 4.6 | 15.93 | 142 |
| KVP08 | 3 | 14 | 799 | 26969 | 19200 | 5.4 | 10.13 | 247 |
| KVP10 | 3 | 14 | 1006 | 36419 | 25510 | 7.3 | 8.49 | 279 |
| KVP12 | 3 | 14 | 1238 | 42229 | 29959 | 8.4 | 9.63 | 474 |
| KVP03 | 4 | 14 | 337 | 15750 | 10470 | 3.1 | 11.31 | 66 |
| KVP04 | 4 | 14 | 426 | 19450 | 12989 | 3.9 | 13.86 | 118 |
| KVP06 | 4 | 14 | 587 | 27260 | 18129 | 5.4 | 13.86 | 142 |
| KVP08 | 4 | 14 | 779 | 33709 | 22799 | 6.7 | 17.96 | 247 |
| KVP10 | 4 | 14 | 989 | 42099 | 28780 | 8.4 | 7.1 | 279 |
| KVP12 | 4 | 14 | 1206 | 49159 | 33970 | 9.7 | 8.49 | 474 |

NOTE: Based on 80°F DB and 67°F WB EAT, 45°F EWT, 10°F temperature rise, high fan speed. Motor type is PSC and motor voltage is 115/1/60. Airflow under dry coil conditions. All models tested at 0.05" external static pressure.

UNIT WEIGHTS

| Component | Unit Size | | | | | | |
|--|-------------|----------|-----------|-----------|-----------|-----------|---------|
| | 03 | 04 | 06 | 08 | 10 | 12 | |
| KVP Base Unit | 218 [99] | 218 [99] | 235 [107] | 235 [107] | 277 [126] | 277 [126] | |
| KVIP/KVIS Fire Rated Wall Plenum | 130 [59] | 130 [59] | 145 [66] | 145 [66] | 160 [73] | 160 [73] | |
| KVIP/KVIS Non-Fire Rated Wall Plenum | 78 [35] | 78 [35] | 87 [40] | 87 [40] | 96 [44] | 96 [44] | |
| (4) 2" Risers & (1) 1" Riser (115" L & 3/4" INS) | 100 [45] | 100 [45] | 100 [45] | 100 [45] | 100 [45] | 100 [45] | |
| Coil Rows | 3 Row - Dry | 20 [9] | 20 [9] | 24 [11] | 24 [11] | 34 [15] | 34 [15] |
| | 3 Row - Wet | 26 [12] | 26 [12] | 31 [14] | 31 [14] | 44 [20] | 44 [20] |
| | 4 Row - Dry | 25 [11] | 25 [11] | 30 [14] | 30 [14] | 42 [19] | 42 [19] |
| | 4 Row - Wet | 32 [15] | 32 [15] | 39 [18] | 39 [18] | 55 [25] | 55 [25] |
| | 5 Row - Dry | 30 [14] | 30 [14] | 35 [16] | 35 [16] | 50 [23] | 50 [23] |
| | 5 Row - Wet | 38 [17] | 38 [17] | 46 [21] | 46 [21] | 66 [30] | 66 [30] |

NOTE: Unit weight data is in pounds [kilograms].

HEATING CAPACITY

| Unit Size | 1 Row | | | | 2 Row | | | | 2 Row | | | | 2 Row | | | |
|-----------|-------|----------|-----|------|-------|----------|-----|------|-------|----------|-----|------|-------|----------|-----|------|
| | CFM | QS (MBH) | GPM | WPD | CFM | QS (MBH) | GPM | WPD | CFM | QS (MBH) | GPM | WPD | CFM | QS (MBH) | GPM | WPD |
| KVP03 | 337 | 17059 | 0.9 | 0.53 | 330 | 27760 | 1.4 | 2.41 | 346 | 31879 | 1.6 | 1.48 | 350 | 36400 | 1.9 | 5.2 |
| KVP04 | 451 | 17399 | 0.9 | 0.26 | 443 | 34409 | 1.8 | 3.59 | 467 | 40209 | 2.1 | 2.27 | 450 | 45800 | 2.3 | 6.7 |
| KVP06 | 577 | 24200 | 1.2 | 0.26 | 557 | 45930 | 2.4 | 8.1 | 591 | 50540 | 2.1 | 3.07 | 600 | 58700 | 3.0 | 4.4 |
| KVP08 | 836 | 29270 | 1.5 | 0.32 | 800 | 58310 | 3.0 | 12.3 | 859 | 59150 | 2.1 | 1.35 | 836 | 79040 | 4.1 | 5.97 |
| KVP10 | 960 | 43990 | 2.3 | 0.75 | 911 | 72470 | 3.7 | 3.64 | 978 | 67529 | 2.1 | 0.81 | 1000 | 96500 | 4.9 | 3.7 |
| KVP12 | 1206 | 49169 | 2.5 | 0.92 | 1171 | 85629 | 4.4 | 4.9 | 1238 | 73050 | 2.1 | 0.82 | 1206 | 114169 | 5.9 | 2.37 |

NOTE: Based on 70°F DB EAT, 180°F EWT, 40°F temperature drop, high fan speed.

- * Uses 3 Row CW (4 Total Rows)
- ** Uses 4 Row CW (5 Total Rows)

FAN COILS

KVP SERIES

KVP Series Performance Data
MOTOR & FAN DATA

| Unit Size | Fan Speed | Motor HP (Qty) | 115 Volts | | 208-230 Volts | | 277 Volts | |
|-----------|-----------|----------------|-----------|-------|---------------|-------|-----------|-------|
| | | | FLA | WATTS | FLA | WATTS | FLA | WATTS |
| 03 | High | 1/35 | 0.6 | 66 | 0.3 | 74 | 0.3 | 70 |
| | Medium | 1/60 | 0.5 | 54 | 0.2 | 58 | 0.2 | 58 |
| | Low | 1/150 | 0.4 | 40 | 0.2 | 43 | 0.2 | 45 |
| 04 | High | 1/25 | 1.0 | 118 | 0.5 | 118 | 0.5 | 124 |
| | Medium | 1/50 | 0.7 | 76 | 0.4 | 91 | 0.3 | 93 |
| | Low | 1/100 | 0.5 | 52 | 0.3 | 67 | 0.3 | 68 |
| 06 | High | 1/15 | 1.3 | 132 | 0.6 | 129 | 0.5 | 126 |
| | Medium | 1/30 | 0.9 | 82 | 0.5 | 93 | 0.4 | 94 |
| | Low | 1/60 | 0.7 | 69 | 0.4 | 85 | 0.3 | 93 |
| 08 | High | 1/6 | 2.7 | 247 | 1.4 | 233 | 1.0 | 240 |
| | Medium | 1/8 | 2.4 | 245 | 0.9 | 202 | 0.9 | 217 |
| | Low | 1/10 | 2.2 | 205 | 0.6 | 177 | 0.8 | 214 |
| 10 | High | 1/5 | 2.7 | 279 | 1.2 | 310 | 1.0 | 290 |
| | Medium | 1/6 | 1.9 | 277 | 0.8 | 285 | 0.7 | 255 |
| | Low | 1/8 | 1.0 | 202 | 0.6 | 245 | 0.5 | 220 |
| 12 | High | 1/4 | 4.9 | 474 | 2.2 | 477 | 2.0 | 458 |
| | Medium | 1/5 | 4.3 | 420 | 1.5 | 364 | 1.4 | 418 |
| | Low | 1/6 | 3.7 | 325 | 1.1 | 332 | 1.0 | 332 |

NOTES: Motor electrical data is nameplated data. Actual data will vary with application. 230 volt motor is nameplated for 208-230/1/60. Use 230 volt motor data for 208 volt applications.

SOUND DATA

| Unit Size | Motor Speed | TOTAL SOUND POWER LEVEL | | | | | | |
|-----------|-------------|-------------------------------------|-------|-------|--------|--------|--------|--------|
| | | OCTAVE BAND / CENTER FREQUENCY (HZ) | | | | | | |
| | | 2/125 | 3/250 | 4/500 | 5/1000 | 6/2000 | 7/4000 | 8/8000 |
| 03 | High | 63 | 56 | 53 | 48 | 42 | 37 | 33 |
| | Medium | 59 | 52 | 49 | 43 | 36 | 32 | 27 |
| | Low | 51 | 45 | 41 | 34 | 25 | 22 | 21 |
| 04 | High | 65 | 58 | 54 | 49 | 46 | 42 | 36 |
| | Medium | 60 | 54 | 50 | 45 | 41 | 37 | 31 |
| | Low | 53 | 47 | 41 | 37 | 32 | 28 | 26 |
| 06 | High | 70 | 61 | 56 | 51 | 48 | 45 | 40 |
| | Medium | 63 | 54 | 52 | 45 | 41 | 41 | 36 |
| | Low | 58 | 51 | 47 | 42 | 34 | 28 | 25 |
| 08 | High | 71 | 63 | 61 | 59 | 54 | 52 | 47 |
| | Medium | 68 | 60 | 58 | 54 | 49 | 48 | 39 |
| | Low | 63 | 57 | 55 | 50 | 45 | 42 | 35 |
| 10 | High | 73 | 66 | 62 | 62 | 58 | 53 | 51 |
| | Medium | 71 | 63 | 59 | 55 | 50 | 47 | 45 |
| | Low | 64 | 59 | 57 | 53 | 48 | 44 | 41 |
| 12 | High | 74 | 70 | 69 | 65 | 61 | 61 | 53 |
| | Medium | 71 | 67 | 64 | 60 | 56 | 53 | 47 |
| | Low | 65 | 60 | 59 | 55 | 50 | 44 | 42 |

NOTES: Sound data tested in accordance with AHRI 350-2000. Sound levels are expressed in decibels, dB Re: 1 x 10⁻¹² watts. Total sound power level data based on Model KVPH with fan CFM at corresponding motor tap with 115/1/60 volt motor, 4 row coil, 1" throwaway filter, double deflection discharge grille, 0.0" external static pressure and standard rated internal pressure losses.