

Performance Data



AA-HVL Series

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----------|-------|-------|--------|-------|-------|--------|-------|-------|--------|------|------|----|----|---|----|----|---|----|----|----|----|----|----|----|----|
| | | FPM | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | | | | | | | | | | | | | | | | |
| | | VP | 0.006 | 0.01 | 0.016 | 0.022 | 0.031 | 0.04 | 0.062 | 0.075 | | | | | | | | | | | | | | | | |
| 6" | .195ft/sq | CFM | 60 | 80 | 100 | 115 | 135 | 155 | 195 | 235 | | | | | | | | | | | | | | | | |
| | | SP | 0.008 | 0.016 | 0.024 | 0.032 | 0.049 | 0.057 | 0.089 | 0.130 | | | | | | | | | | | | | | | | |
| | | TP | 0.014 | 0.026 | 0.040 | 0.054 | 0.080 | 0.097 | 0.151 | 0.205 | | | | | | | | | | | | | | | | |
| | | NC | - | - | - | - | 20 | 23 | 29 | 32 | | | | | | | | | | | | | | | | |
| | | Throw | 1 | 2 | 5 | 2 | 3 | 6 | 2 | 3 | 8 | 2 | 4 | 10 | 3 | 6 | 11 | 4 | 6 | 13 | 5 | 9 | 15 | 6 | 11 | 17 |
| | | | | FPM | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | | | | | | | | | | | | | | |
| 7" | .265ft/sq | CFM | 80 | 105 | 135 | 160 | 185 | 210 | 265 | 320 | | | | | | | | | | | | | | | | |
| | | SP | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.10 | 0.14 | | | | | | | | | | | | | | | | |
| | | TP | 0.02 | 0.03 | 0.04 | 0.06 | 0.09 | 0.10 | 0.16 | 0.22 | | | | | | | | | | | | | | | | |
| | | NC | - | - | - | 18 | 23 | 28 | 35 | 37 | | | | | | | | | | | | | | | | |
| | | Throw | 1 | 2 | 5 | 2 | 3 | 7 | 2 | 4 | 9 | 3 | 5 | 11 | 4 | 6 | 13 | 5 | 7 | 14 | 5 | 10 | 16 | 6 | 13 | 19 |
| | | | | FPM | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | | | | | | | | | | | | | | |
| 8" | .35ft/sq | CFM | 105 | 135 | 170 | 205 | 240 | 275 | 345 | 420 | | | | | | | | | | | | | | | | |
| | | SP | 0.01 | 0.02 | 0.03 | 0.04 | 0.06 | 0.07 | 0.11 | 0.16 | | | | | | | | | | | | | | | | |
| | | TP | 0.016 | 0.03 | 0.046 | 0.062 | 0.091 | 0.11 | 0.172 | 0.235 | | | | | | | | | | | | | | | | |
| | | NC | - | - | - | 20 | 26 | 31 | 39 | 42 | | | | | | | | | | | | | | | | |
| | | Throw | 1 | 2 | 6 | 2 | 3 | 8 | 2 | 4 | 10 | 3 | 5 | 12 | 4 | 7 | 14 | 5 | 8 | 16 | 6 | 11 | 18 | 7 | 14 | 21 |
| | | | | FPM | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | | | | | | | | | | | | | | |
| 9" | .439ft/sq | CFM | 130 | 175 | 220 | 265 | 305 | 350 | 440 | 525 | | | | | | | | | | | | | | | | |
| | | SP | 0.015 | 0.0275 | 0.04 | 0.055 | 0.0775 | 0.095 | 0.135 | 0.1875 | | | | | | | | | | | | | | | | |
| | | TP | 0.021 | 0.0375 | 0.056 | 0.077 | 0.1085 | 0.135 | 0.197 | 0.2625 | | | | | | | | | | | | | | | | |
| | | NC | - | - | 18 | 22 | 28 | 32 | 39 | 42 | | | | | | | | | | | | | | | | |
| | | Throw | 2 | 3 | 8 | 3 | 5 | 11 | 4 | 6 | 13 | 5 | 7 | 15 | 6 | 9 | 17 | 7 | 11 | 19 | 8 | 14 | 21 | 10 | 17 | 24 |
| | | | | FPM | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | | | | | | | | | | | | | | |
| 10" | .542ft/sq | CFM | 155 | 210 | 260 | 310 | 365 | 415 | 520 | 625 | | | | | | | | | | | | | | | | |
| | | SP | 0.02 | 0.035 | 0.05 | 0.07 | 0.095 | 0.12 | 0.16 | 0.215 | | | | | | | | | | | | | | | | |
| | | TP | 0.026 | 0.045 | 0.066 | 0.092 | 0.126 | 0.16 | 0.222 | 0.29 | | | | | | | | | | | | | | | | |
| | | NC | - | - | 20 | 25 | 30 | 34 | 40 | 43 | | | | | | | | | | | | | | | | |
| | | Throw | 3 | 5 | 10 | 4 | 6 | 13 | 5 | 8 | 16 | 6 | 10 | 18 | 8 | 12 | 19 | 9 | 13 | 21 | 11 | 16 | 24 | 13 | 20 | 27 |

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AA-HVL Series

| | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 12" | .77ft/sq | FPM | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | | | | | | | | | | | | | | |
| | | CFM | 230 | 310 | 385 | 465 | 540 | 620 | 775 | 925 | | | | | | | | | | | | | | |
| | | SP | 0.03 | 0.05 | 0.07 | 0.1 | 0.13 | 0.17 | 0.21 | 0.27 | | | | | | | | | | | | | | |
| | | TP | 0.036 | 0.06 | 0.086 | 0.122 | 0.161 | 0.21 | 0.272 | 0.345 | | | | | | | | | | | | | | |
| | | NC | - | - | 25 | 31 | 35 | 38 | 42 | 45 | | | | | | | | | | | | | | |
| | | Throw | 4 | 7 | 14 | 6 | 9 | 18 | 8 | 11 | 21 | 9 | 14 | 23 | 11 | 16 | 24 | 12 | 18 | 26 | 15 | 21 | 29 | 18 |
| 14" | 1.06ft/sq | FPM | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | | | | | | | | | | | | | | |
| | | CFM | 320 | 425 | 530 | 635 | 740 | 850 | 1060 | 1270 | | | | | | | | | | | | | | |
| | | SP | 0.035 | 0.060 | 0.085 | 0.120 | 0.155 | 0.200 | 0.240 | 0.305 | | | | | | | | | | | | | | |
| | | TP | 0.041 | 0.07 | 0.10 | 0.14 | 0.19 | 0.24 | 0.30 | 0.38 | | | | | | | | | | | | | | |
| | | NC | - | - | 25 | 31 | 35 | 38 | 42 | 46 | | | | | | | | | | | | | | |
| | | Throw | 5 | 9 | 17 | 8 | 11 | 20 | 10 | 14 | 23 | 11 | 17 | 25 | 13 | 18 | 26 | 15 | 20 | 28 | 18 | 23 | 31 | 21 |
| 16" | 1.38ft/sq | FPM | 300 | 400 | 500 | 600 | 700 | 800 | 1000 | 1200 | | | | | | | | | | | | | | |
| | | CFM | 415 | 550 | 690 | 830 | 965 | 1105 | 1380 | 1655 | | | | | | | | | | | | | | |
| | | SP | 0.04 | 0.07 | 0.10 | 0.14 | 0.18 | 0.23 | 0.27 | 0.34 | | | | | | | | | | | | | | |
| | | TP | 0.05 | 0.08 | 0.12 | 0.16 | 0.21 | 0.27 | 0.33 | 0.42 | | | | | | | | | | | | | | |
| | | NC | - | 21 | 26 | 31 | 35 | 38 | 43 | 46 | | | | | | | | | | | | | | |
| | | Throw | 6 | 10 | 19 | 9 | 13 | 21 | 11 | 16 | 24 | 13 | 19 | 26 | 15 | 20 | 28 | 17 | 21 | 30 | 20 | 24 | 33 | 23 |

Performance Notes

- 1) Throw values are measured in feet for terminal velocities of 150/100/50 FPM
- 2) Throw data is based on supply air and room air both at isothermal conditions
- 3) Effective core areas listed in the chart are defined as the measurement of space between the blades actually being utilized by the air
- 4) Data obtained from tests conducted in accordance with ANSI/ASHRAE standard 70-2006