

SHRPLQ Performance Data: 2 Slots, Horizontal Throw

IP/METRIC DATA: SHRPLQ, 24"x24" PANEL, 2 SLOTS (NO DAMPER)

| | IP Data | | | | | | NC | Metric Data | | | | | Octave Band, dB | | | | | | |
|--------------------|----------|----------|-------|--------------|--------------|-----------|------|-------------|------|-----------------|-----------------|----|-----------------|----|----|----|----|--|--|
| | Neck Vel | Air Flow | Ps | Pt | Throw | Neck Vel | | Air Flow | Ps | Pt | Throw | | | | | | | | |
| | FPM | CFM | "WG | "WG | ft | m/s | | L/s | Pa | Pa | m | 2 | 3 | 4 | 5 | 6 | 7 | | |
| | | | | | | | | | | | | | | | | | | | |
| 6" Dia. | 400 | 78 | 0.008 | .018 | 1 - 1 - 4 | - | 2.03 | 37 | 1.9 | 4.4 | 0.2 - 0.4 - 1.1 | 29 | 30 | 25 | 12 | - | - | | |
| | 600 | 118 | 0.018 | .040 | 1 - 3 - 6 | - | 3.05 | 56 | 4.4 | 10.0 | 0.4 - 0.9 - 1.7 | 37 | 39 | 34 | 24 | 18 | - | | |
| | 800 | 157 | 0.031 | .071 | 2 - 4 - 8 | 17 | 4.06 | 74 | 7.8 | 17.7 | 0.7 - 1.1 - 2.3 | 43 | 45 | 41 | 33 | 28 | 14 | | |
| | 1000 | 196 | 0.049 | .111 | 3 - 5 - 9 | 23 | 5.08 | 93 | 12.1 | 27.6 | 1.0 - 1.4 - 2.9 | 48 | 50 | 47 | 39 | 36 | 24 | | |
| | 1200 | 235 | 0.070 | .160 | 4 - 6 - 11 | 28 | 6.10 | 111 | 17.4 | 39.8 | 1.1 - 1.7 - 3.4 | 52 | 54 | 51 | 45 | 42 | 32 | | |
| | 1400 | 274 | 0.095 | .218 | 4 - 7 - 13 | 32 | 7.11 | 130 | 23.7 | 54.2 | 1.3 - 2.0 - 4.0 | 55 | 58 | 55 | 49 | 48 | 39 | | |
| 1600 | 314 | 0.125 | .284 | 5 - 8 - 15 | 35 | 8.13 | 148 | 31.0 | 70.8 | 1.5 - 2.3 - 4.6 | 58 | 61 | 58 | 53 | 53 | 45 | | | |
| 8" Dia. | 400 | 140 | 0.012 | .022 | 2 - 3 - 7 | - | 2.03 | 66 | 2.9 | 5.4 | 0.6 - 1.0 - 2.0 | 35 | 35 | 31 | 19 | 13 | - | | |
| | 567 | 198 | 0.023 | .043 | 3 - 5 - 10 | 15 | 2.88 | 93 | 5.8 | 10.8 | 1.0 - 1.4 - 2.9 | 43 | 43 | 39 | 29 | 25 | - | | |
| | 733 | 256 | 0.039 | .072 | 4 - 6 - 12 | 22 | 3.73 | 121 | 9.7 | 18.0 | 1.2 - 1.9 - 3.7 | 48 | 48 | 46 | 37 | 34 | 21 | | |
| | 900 | 314 | 0.059 | .109 | 5 - 8 - 15 | 27 | 4.57 | 148 | 14.6 | 27.2 | 1.5 - 2.3 - 4.6 | 52 | 53 | 51 | 43 | 41 | 30 | | |
| | 1067 | 372 | 0.082 | .153 | 6 - 9 - 18 | 32 | 5.42 | 176 | 20.5 | 38.2 | 1.8 - 2.7 - 5.4 | 56 | 57 | 55 | 48 | 47 | 38 | | |
| | 1233 | 431 | 0.110 | .205 | 7 - 10 - 19 | 36 | 6.27 | 203 | 27.4 | 51.1 | 2.1 - 3.1 - 5.8 | 59 | 60 | 58 | 52 | 52 | 44 | | |
| 1400 | 489 | 0.142 | .264 | 8 - 12 - 20 | 39 | 7.11 | 231 | 35.4 | 65.8 | 2.4 - 3.6 - 6.2 | 61 | 63 | 61 | 56 | 57 | 49 | | | |
| 10" Dia. | 300 | 164 | 0.008 | .014 | 3 - 4 - 8 | - | 1.52 | 77 | 2.1 | 3.5 | 0.8 - 1.2 - 2.4 | 34 | 33 | 29 | 16 | - | - | | |
| | 450 | 245 | 0.019 | .032 | 4 - 6 - 12 | 15 | 2.29 | 116 | 4.8 | 7.9 | 1.2 - 1.8 - 3.6 | 43 | 42 | 39 | 28 | 24 | - | | |
| | 600 | 327 | 0.034 | .056 | 5 - 8 - 16 | 22 | 3.05 | 154 | 8.5 | 14.0 | 1.6 - 2.4 - 4.8 | 49 | 48 | 46 | 36 | 34 | 20 | | |
| | 750 | 409 | 0.053 | .088 | 7 - 10 - 19 | 28 | 3.81 | 193 | 13.2 | 21.9 | 2.0 - 3.0 - 5.7 | 53 | 53 | 51 | 43 | 42 | 30 | | |
| | 900 | 491 | 0.076 | .127 | 8 - 12 - 20 | 33 | 4.57 | 232 | 19.0 | 31.6 | 2.4 - 3.6 - 6.2 | 57 | 57 | 56 | 48 | 48 | 38 | | |
| | 1050 | 573 | 0.104 | .173 | 9 - 14 - 22 | 37 | 5.33 | 270 | 25.9 | 43.0 | 2.8 - 4.2 - 6.7 | 60 | 60 | 59 | 53 | 53 | 45 | | |
| 1200 | 654 | 0.136 | .226 | 10 - 16 - 24 | 41 | 6.10 | 309 | 33.8 | 56.2 | 3.2 - 4.8 - 7.1 | 63 | 63 | 63 | 57 | 58 | 51 | | | |
| 12" Dia. | 200 | 157 | 0.005 | .007 | 2 - 4 - 8 | - | 1.02 | 74 | 1.1 | 1.8 | 0.7 - 1.1 - 2.3 | 30 | 27 | 23 | - | - | - | | |
| | 333 | 262 | 0.013 | .020 | 4 - 6 - 13 | 11 | 1.69 | 124 | 3.2 | 4.9 | 1.3 - 1.9 - 3.8 | 41 | 38 | 36 | 23 | 19 | - | | |
| | 467 | 367 | 0.025 | .039 | 6 - 9 - 18 | 20 | 2.37 | 173 | 6.2 | 9.6 | 1.8 - 2.7 - 5.3 | 48 | 46 | 44 | 33 | 30 | 16 | | |
| | 600 | 471 | 0.041 | .064 | 8 - 11 - 20 | 27 | 3.05 | 222 | 10.3 | 15.9 | 2.3 - 3.4 - 6.1 | 53 | 51 | 50 | 41 | 39 | 27 | | |
| | 733 | 576 | 0.062 | .095 | 9 - 14 - 22 | 32 | 3.73 | 272 | 15.4 | 23.7 | 2.8 - 4.2 - 6.7 | 57 | 55 | 55 | 47 | 46 | 36 | | |
| | 867 | 681 | 0.086 | .133 | 11 - 16 - 24 | 36 | 4.40 | 321 | 21.5 | 33.1 | 3.3 - 5.0 - 7.3 | 60 | 59 | 59 | 52 | 52 | 43 | | |
| | 1000 | 785 | 0.115 | .177 | 13 - 18 - 26 | 40 | 5.08 | 371 | 28.6 | 44.1 | 3.8 - 5.5 - 7.8 | 63 | 62 | 62 | 56 | 57 | 49 | | |

NOTES: Throw values are given for isothermal conditions and terminal velocities of 150, 100, and 50 FPM (0.75, 0.50, and 0.25 m/s). NC values are based on octave band 2 - 7 sound power levels minus a room absorption of 10dB, re 10⁻¹² Watts. Dash in space denotes a NC or dB value of less than 10. Data was obtained from tests conducted in accordance with ANSI/ASHRAE Standard 70, ISO Standard 5219, and ISO Standard 3741. See Krueger's selection software for performance data not shown, including octave band data.