

Performance Data • Radiated Sound Power Levels

30HQ Series • Hospital Grade • Dissipative Silencer

Terminal: Steri-Liner • Silencer: Mylar, Spacer, Steri-Liner (MSSL) Media



A
SINGLE DUCT TERMINAL UNITS

| Inlet Size | Airflow | | Min. inlet ΔPs | | Sound Power Octave Bands @ Inlet Pressure (ΔPs) shown | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|------------|---------|------|----------------|----|---|----|----|----|----|-----------------------|-----------|----|----|----|-----------------------|----|----|----|----|-----------------------|----|----|----|----|-----------------------|----|----|----|----|-----------------------|----|----|----|----|----|----|----|----|----|----|
| | | | | | Minimum ΔPs | | | | | 0.5" w.g. (125Pa) ΔPs | | | | | 1.0" w.g. (250Pa) ΔPs | | | | | 1.5" w.g. (375Pa) ΔPs | | | | | 2.0" w.g. (500Pa) ΔPs | | | | | 3.0" w.g. (750Pa) ΔPs | | | | | | | | | | |
| | | | | | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 | 2 | 3 | 4 | 5 | 6 | 7 |
| 4 | 200 | 94 | 0.38 | 94 | - | 36 | 33 | 32 | - | - | - | 39 | 37 | 38 | 29 | 29 | 49 | 46 | 43 | 37 | 30 | 29 | 53 | 52 | 47 | 40 | 32 | 31 | 53 | 53 | 50 | 42 | 33 | 33 | 54 | 55 | 53 | 47 | 37 | 37 |
| | 150 | 71 | 0.21 | 52 | - | 35 | 29 | 31 | - | - | - | 40 | 36 | 30 | 25 | 23 | 47 | 46 | 40 | 34 | 28 | 26 | 49 | 50 | 47 | 39 | 31 | 30 | 47 | 48 | 48 | 43 | 34 | 32 | 48 | 48 | 48 | 50 | 40 | 37 |
| | 100 | 47 | 0.11 | 28 | - | - | - | - | - | - | - | 37 | 32 | 27 | - | - | - | 43 | 42 | 34 | 27 | 23 | - | 44 | 45 | 41 | 32 | 29 | - | 43 | 46 | 46 | 36 | 32 | - | 42 | 44 | 51 | 43 | 38 |
| | 50 | 24 | 0.05 | 12 | - | - | - | - | - | - | - | 37 | 38 | 30 | - | - | - | 36 | 41 | 40 | 32 | 27 | - | 35 | 40 | 43 | 38 | 31 | - | 34 | 38 | 40 | 38 | 33 | - | 32 | 36 | 37 | 35 | 37 |
| 5 | 350 | 165 | 0.17 | 41 | 48 | 39 | 33 | 32 | 30 | 27 | 52 | 45 | 39 | 38 | 37 | 32 | 55 | 48 | 45 | 38 | 36 | 32 | 59 | 51 | 49 | 40 | 39 | 34 | 61 | 54 | 51 | 42 | 40 | 36 | 61 | 57 | 55 | 45 | 44 | 40 |
| | 250 | 118 | 0.10 | 25 | - | 35 | 31 | 25 | 23 | - | 50 | 40 | 36 | 32 | 30 | 25 | 54 | 45 | 42 | 33 | 32 | 28 | 55 | 48 | 45 | 35 | 35 | 30 | 56 | 51 | 48 | 37 | 37 | 32 | 57 | 53 | 51 | 42 | 41 | 35 |
| | 150 | 71 | 0.03 | 7 | - | - | - | - | - | - | 49 | 35 | 31 | 23 | 20 | - | 50 | 41 | 39 | 30 | 29 | 21 | 50 | 43 | 43 | 34 | 33 | 27 | 48 | 45 | 45 | 40 | 39 | 31 | 51 | 45 | 46 | 46 | 44 | 37 |
| | 100 | 47 | 0.02 | 5 | - | - | - | - | - | - | - | 33 | 29 | - | - | - | - | 39 | 38 | 28 | 26 | - | - | 40 | 42 | 36 | 34 | 26 | 46 | 40 | 43 | 43 | 41 | 31 | 47 | 41 | 43 | 47 | 46 | 37 |
| 6 | 500 | 236 | 0.05 | 13 | 48 | 44 | 38 | 36 | 30 | 28 | 49 | 48 | 42 | 40 | 33 | 30 | 57 | 52 | 46 | 41 | 35 | 32 | 60 | 54 | 49 | 45 | 36 | 34 | 62 | 57 | 51 | 45 | 40 | 38 | 65 | 59 | 55 | 47 | 43 | 42 |
| | 400 | 189 | 0.05 | 12 | - | 42 | 33 | 33 | 28 | 26 | 49 | 46 | 39 | 35 | 30 | 28 | 56 | 49 | 44 | 38 | 32 | 29 | 59 | 52 | 47 | 40 | 36 | 33 | 62 | 54 | 49 | 42 | 39 | 36 | 64 | 58 | 54 | 45 | 42 | 41 |
| | 300 | 142 | 0.03 | 6 | - | 34 | 27 | 26 | - | - | 47 | 42 | 35 | 29 | 25 | - | 55 | 46 | 40 | 33 | 30 | 28 | 58 | 49 | 44 | 36 | 33 | 32 | 59 | 51 | 47 | 38 | 36 | 34 | 60 | 55 | 51 | 43 | 39 | 39 |
| | 200 | 94 | 0.01 | 3 | - | - | - | - | - | - | 47 | 36 | 30 | 24 | - | - | 53 | 43 | 38 | 30 | 29 | 28 | 53 | 45 | 43 | 32 | 31 | 30 | 53 | 47 | 44 | 36 | 32 | 32 | 55 | 49 | 46 | 43 | 37 | 37 |
| 7 | 700 | 330 | 0.03 | 7 | 49 | 46 | 48 | 37 | 33 | 32 | 49 | 48 | 45 | 37 | 31 | 30 | 56 | 51 | 47 | 40 | 34 | 31 | 62 | 57 | 52 | 45 | 37 | 34 | 66 | 60 | 55 | 48 | 40 | 37 | 68 | 64 | 60 | 52 | 44 | 42 |
| | 550 | 260 | 0.04 | 10 | 48 | 43 | 41 | 33 | 27 | 25 | 48 | 44 | 40 | 32 | 28 | 26 | 55 | 49 | 45 | 38 | 32 | 30 | 61 | 54 | 49 | 43 | 36 | 33 | 64 | 58 | 52 | 45 | 38 | 36 | 65 | 61 | 57 | 50 | 42 | 40 |
| | 400 | 189 | 0.01 | 2 | 46 | 39 | 33 | 33 | - | - | 46 | 43 | 38 | 30 | 26 | 20 | 53 | 48 | 43 | 37 | 31 | 29 | 57 | 51 | 46 | 41 | 34 | 32 | 59 | 53 | 49 | 44 | 36 | 34 | 60 | 56 | 52 | 47 | 40 | 40 |
| | 250 | 118 | 0.01 | 2 | - | - | 20 | 31 | - | - | - | 39 | 34 | 28 | 21 | - | - | 51 | 46 | 41 | 35 | 29 | 54 | 47 | 43 | 38 | 31 | 30 | 53 | 48 | 44 | 40 | 33 | 32 | 53 | 49 | 46 | 43 | 37 | 38 |
| 8 | 1100 | 519 | 0.02 | 4 | 52 | 50 | 45 | 37 | 34 | 33 | 57 | 51 | 46 | 37 | 35 | 32 | 60 | 54 | 51 | 40 | 38 | 33 | 65 | 57 | 53 | 43 | 42 | 36 | 67 | 60 | 56 | 45 | 44 | 39 | 70 | 63 | 60 | 49 | 48 | 42 |
| | 900 | 425 | 0.01 | 3 | 51 | 47 | 40 | 34 | 31 | 29 | 56 | 50 | 45 | 37 | 34 | 31 | 58 | 53 | 49 | 39 | 37 | 33 | 63 | 56 | 51 | 42 | 42 | 36 | 65 | 58 | 54 | 44 | 44 | 39 | 68 | 60 | 56 | 47 | 48 | 42 |
| | 700 | 330 | 0.01 | 2 | 50 | 43 | 37 | 31 | 29 | 25 | 51 | 47 | 42 | 33 | 31 | 28 | 57 | 51 | 47 | 37 | 36 | 32 | 61 | 53 | 50 | 40 | 39 | 35 | 63 | 55 | 51 | 42 | 41 | 37 | 64 | 59 | 56 | 45 | 44 | 40 |
| | 500 | 236 | 0.01 | 2 | - | 38 | 30 | 27 | 24 | - | 50 | 44 | 39 | 31 | 29 | 25 | 55 | 48 | 44 | 35 | 34 | 31 | 58 | 51 | 47 | 37 | 37 | 33 | 59 | 53 | 49 | 39 | 39 | 36 | 61 | 55 | 52 | 43 | 43 | 40 |
| 9 | 1400 | 661 | 0.01 | 2 | 51 | 46 | 46 | 44 | 37 | 35 | 52 | 47 | 46 | 41 | 38 | 35 | 57 | 53 | 49 | 42 | 37 | 35 | 64 | 58 | 53 | 47 | 41 | 37 | 66 | 63 | 57 | 50 | 43 | 40 | 69 | 67 | 61 | 54 | 47 | 44 |
| | 1150 | 543 | 0.01 | 2 | 50 | 45 | 44 | 41 | 34 | 34 | 51 | 46 | 45 | 40 | 36 | 33 | 56 | 52 | 47 | 41 | 36 | 34 | 62 | 56 | 51 | 45 | 39 | 37 | 64 | 61 | 55 | 49 | 42 | 39 | 67 | 64 | 59 | 52 | 46 | 43 |
| | 900 | 425 | 0.01 | 2 | 48 | 40 | 39 | 36 | 30 | 29 | 50 | 45 | 42 | 37 | 32 | 30 | 56 | 50 | 45 | 40 | 35 | 33 | 60 | 54 | 49 | 44 | 39 | 36 | 63 | 58 | 52 | 47 | 41 | 38 | 64 | 61 | 56 | 50 | 44 | 42 |
| | 650 | 307 | 0.01 | 2 | 47 | 36 | 31 | 28 | 21 | - | 49 | 41 | 36 | 31 | 28 | 25 | 54 | 48 | 42 | 37 | 32 | 30 | 57 | 51 | 46 | 41 | 35 | 33 | 59 | 54 | 49 | 44 | 38 | 36 | 60 | 57 | 52 | 47 | 41 | 39 |
| 10 | 1500 | 708 | 0.02 | 5 | 54 | 43 | 43 | 38 | 34 | 26 | 56 | 48 | 46 | 39 | 35 | 30 | 58 | 53 | 50 | 44 | 38 | 34 | 62 | 57 | 53 | 48 | 42 | 38 | 64 | 59 | 55 | 50 | 45 | 41 | 66 | 64 | 59 | 54 | 48 | 45 |
| | 1100 | 519 | 0.02 | 4 | 51 | 37 | 35 | 30 | 25 | - | 53 | 46 | 42 | 35 | 31 | 27 | 55 | 50 | 47 | 41 | 35 | 31 | 60 | 54 | 50 | 45 | 39 | 36 | 61 | 56 | 51 | 47 | 42 | 39 | 64 | 61 | 55 | 51 | 45 | 43 |
| | 700 | 330 | 0.01 | 2 | - | 30 | 25 | 21 | - | - | 48 | 42 | 37 | 31 | 27 | 24 | 53 | 47 | 42 | 37 | 33 | 29 | 56 | 50 | 45 | 41 | 36 | 33 | 58 | 51 | 47 | 43 | 38 | 36 | 59 | 55 | 50 | 48 | 41 | 40 |
| | 215 | 101 | 0.01 | 1 | - | - | - | - | - | - | 36 | 32 | 25 | 23 | - | - | 45 | 36 | 29 | 28 | 26 | 22 | 46 | 38 | 33 | 31 | 28 | 28 | 49 | 38 | 34 | 33 | 30 | 29 | 49 | 41 | 38 | 37 | 33 | 33 |
| 12 | 2500 | 1180 | 0.04 | 10 | 57 | 55 | 54 | 50 | 42 | 36 | 60 | 57 | 53 | 46 | 41 | 38 | 63 | 61 | 54 | 50 | 42 | 39 | 66 | 63 | 57 | 53 | 45 | 41 | 67 | 64 | 59 | 55 | 48 | 44 | 70 | 69 | 63 | 59 | 52 | 50 |
| | 2050 | 967 | 0.03 | 7 | 55 | 50 | 48 | 44 | 37 | 33 | 58 | 55 | 51 | 46 | 39 | 35 | 61 | 59 | 53 | 49 | 42 | 37 | 64 | 61 | 56 | 52 | 45 | 41 | 65 | 62 | 58 | 55 | 48 | 44 | 68 | 67 | 61 | 58 | 51 | 49 |
| | 1600 | 755 | 0.02 | 6 | 52 | 45 | 41 | 36 | 30 | 27 | 56 | 52 | 45 | 40 | 34 | 30 | 59 | 56 | 49 | 46 | 38 | 35 | 61 | 58 | 53 | 49 | 42 | 39 | 62 | 60 | 55 | 51 | 44 | 42 | 65 | 64 | 58 | 55 | 48 | 46 |
| | 1150 | 543 | 0.02 | 4 | 47 | 38 | 31 | 27 | 23 | - | 52 | 48 | 40 | 36 | 30 | 26 | 55 | 52 | 45 | 41 | 34 | 32 | 58 | 55 | 49 | 45 | 38 | 36 | 59 | 57 | 51 | 48 | 41 | 39 | 61 | 60 | 55 | 52 | 45 | 44 |
| 14 | 2650 | 1251 | 0.02 | 5 | 57 | 53 | 50 | 46 | 42 | 35 | 58 | 56 | 49 | 44 | 40 | 35 | 62 | 60 | 53 | 48 | 45 | 39 | 64 | 63 | 56 | 50 | 47 | 44 | 65 | 66 | 59 | 52 | 49 | 47 | 69 | 69 | 63 | 57 | 52 | 50 |
| | 2100 | 991 | 0.02 | 4 | 54 | 48 | 44 | 39 | 35 | 30 | 56 | 53 | 46 | 41 | 37 | 31 | 60 | 57 | 50 | 44 | 41 | 38 | 63 | 61 | 55 | 48 | 44 | 43 | 64 | 63 | 57 | 50 | 46 | 45 | 66 | 66 | 60 | 55 | 50 | 48 |
| | 1550 | 731 | 0.01 | 2 | 46 | 40 | 35 | 30 | 26 | - | 51 | 48 | 42 | 35 | 31 | 27 | 57 | 55 | 48 | 40 | 36 | 35 | 60 | 58 | 52 | 45 | 40 | 39 | 60 | 60 | 53 | 47 | 43 | 41 | 62 | 63 | 57 | 52 | 47 | 45 |
| | 1000 | 472 | 0.01 | 2 | - | - | - | - | - | - | 48 | 45 | 37 | 31 | 28 | 24 | 52 | 51 | 43 | 37 | 33 | 31 | 54 | 53 | 46 | 41 | 37 | 35 | 55 | 56 | 49 | 44 | 40 | 38 | 56 | 57 | 52 | 48 | 43 | 42 |
| 16 | 3752 | 1758 | 0.14 | 36 | 58 | 58 | 55 | 51 | 45 | 38 | * * * * * | 64 | 62 | 57 | 53 | 48 | 39 | 67 | 66 | 60 | 56 | 50 | 45 | 69 | 69 | 62 | 57 | 51 | 49 | 71 | 72 | 65 | 59 | 53 | 49 | | | | | |
| | 2800 | 1321 | 0.12 | 30 | 54 | 51 | 49 | 43 | 37 | 32 | 59 | 55 | 50 | 44 | 38 | 32 | 62 | 59 | 53 | 47 | 41 | 35 | 65 | 63 | 57 | 50 | 44 | 39 | 66 | 65 | 59 | 52 | 46 | 41 | 68 | 69 | 62 | 56 | 50 | 46 |
| | 1800 | 849 | 0.05 | 12 | 47 | 40 | 37 | 30 | 24 | - | 52 | 49 | 42 | 36 | 32 | 27 | 57 | 55 | 49 | 41 | 36 | 32 | 59 | 59 | 52 | 44 | 39 | 35 | 61 | 61 | 54 | 48 | 42 | 38 | 62 | 64 | 57 | 52 | 46 | 43 |
| | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |