

## Performance Data • Radiated Sound Power Levels

3000Q Series • Quiet • Dissipative Silencer

Fiberglass Acoustic Media (FAM)



| 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 |    |  |  |  |  |  |
|            |         |      |                | "w.g. Pa  | 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   | 0.23           | 57  | -  | 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   | 0.04           | 11  | -  | -  | -  | -  | -  | -  | -                     | 37 | 38 | 30 | -  | -  | -  | 36                    | 41 | 40 | 32 | 27 | -  | 35 | 40                    | 43 | 38 | 31 | -  | 35 | 40 | 43                    | 38 | 31 | -  | 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  | 0.08           | 20  | -  | 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 | 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  | 0.04           | 10  | -  | 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  | 0.01           | 2   | 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 | 27 | 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   | -  | 33 | 29 | 25 | -  | -  | 50                    | 43 | 38 | 32 | 29 | 25 | 55 | 48                    | 43 | 38 | 33 | 30 | 58 | 52 | 47                    | 42 | 37 | 34 | 59 | 54 | 49 | 44                    | 39 | 37 | 61 | 57 | 53 | 49 | 43                    | 41 |  |  |  |  |  |
|            | 215     | 101  | 0.01           | 1   | -  | -  | -  | -  | -  | -  | 41                    | 36 | 30 | 27 | 25 | -  | 51 | 41                    | 35 | 32 | 29 | 28 | 53 | 43 | 39                    | 36 | 32 | 30 | 56 | 45 | 40 | 38                    | 34 | 33 | 57 | 47 | 44 | 42 | 38                    | 37 |  |  |  |  |  |
| 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         | 3725    | 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 |  |  |  |  |  |
|            | 800     | 991  | 0.01           | 2   | 49 | 44 | 41 | 34 | 28 | -  | 54                    |    |    |    |    |    |    |                       |    |    |    |    |    |    |                       |    |    |    |    |    |    |                       |    |    |    |    |    |    |                       |    |  |  |  |  |  |