

# PERFORMANCE DATA – PPD SQUARE

## Maximum Flow Selection Table – Metric Units

| Inlet Size (mm) | Neck Velocity (m/s)    | 2.03        | 2.54        | 3.05        | 3.56        | 4.06        | 4.57        | 5.08        |
|-----------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                 | Velocity Pressure (Pa) | 2.5         | 3.9         | 5.6         | 7.6         | 9.9         | 12.6        | 15.5        |
| 150             | Static Pressure (Pa)   |             |             | 12.3        | 16.5        | 21.4        | 26.8        | 32.8        |
|                 | Total Pressure (Pa)    |             |             | 17.9        | 24.1        | 31.3        | 39.4        | 48.3        |
|                 | Flow rate (l/s)        |             |             | 56          | 65          | 74          | 83          | 93          |
|                 | Sound (NC)             |             |             | 15          | 20          | 24          | 27          | 30          |
|                 | Throw (m)              |             |             | 1.2-1.8-3.0 | 1.2-2.1-3.4 | 1.5-2.4-3.7 | 1.8-2.4-4.0 | 1.8-2.7-4.0 |
| 200             | Static Pressure (Pa)   |             | 14.7        | 21.0        | 28.3        | 36.7        | 46.1        | 56.5        |
|                 | Total Pressure (Pa)    |             | 18.6        | 26.6        | 35.9        | 46.6        | 58.7        | 72.1        |
|                 | Flow rate (l/s)        |             | 82          | 99          | 115         | 132         | 148         | 165         |
|                 | Sound (NC)             |             | –           | 19          | 23          | 27          | 30          | 33          |
|                 | Throw (m)              |             | 1.5-2.4-3.7 | 1.8-2.7-4.0 | 2.1-3.0-4.3 | 2.4-3.0-4.6 | 2.7-3.4-4.9 | 2.7-3.7-4.9 |
| 250             | Static Pressure (Pa)   |             | 14.6        | 20.8        | 28.1        | 36.4        | 45.9        | 56.4        |
|                 | Total Pressure (Pa)    |             | 18.5        | 26.4        | 35.7        | 46.4        | 58.4        | 71.9        |
|                 | Flow rate (l/s)        |             | 129         | 154         | 180         | 206         | 232         | 257         |
|                 | Sound (NC)             |             | –           | 18          | 22          | 26          | 29          | 32          |
|                 | Throw (m)              |             | 0.9-1.5-2.7 | 1.2-1.8-3.0 | 1.5-2.1-3.4 | 1.5-2.4-3.7 | 1.8-2.7-4.0 | 2.1-2.7-4.0 |
| 300             | Static Pressure (Pa)   | 12.1        | 18.7        | 26.8        | 36.3        | 47.3        | 60.0        | 74.4        |
|                 | Total Pressure (Pa)    | 14.6        | 22.6        | 32.4        | 43.9        | 57.3        | 72.6        | 90.0        |
|                 | Flow rate (l/s)        | 148         | 185         | 222         | 259         | 297         | 334         | 371         |
|                 | Sound (NC)             | –           | 16          | 21          | 26          | 30          | 33          | 36          |
|                 | Throw (m)              | 1.2-1.8-3.4 | 1.5-2.4-3.7 | 1.8-2.7-4.0 | 2.1-3.0-4.3 | 2.4-3.4-4.6 | 2.7-3.4-4.9 | 3.0-3.7-5.2 |

**Performance Notes:**

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- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

## Modulated Flow Selection Table – Metric Units

| Inlet Size (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |            |           | 25% Maximum Flow Rate |            |     |    |
|-----------------|----------------------------|--------------------|-------------------|-----|------------|-----------|-----------------------|------------|-----|----|
|                 |                            |                    | Throw (m)         |     | Sound (NC) | Throw (m) |                       | Sound (NC) |     |    |
| 150             | 12.4                       | 54                 | 1.2               | 1.8 | 3.0        | –         | 0.3                   | 0.6        | 1.2 | –  |
|                 | 24.9                       | 82                 | 1.8               | 2.4 | 3.7        | 27        | 0.6                   | 0.9        | 1.8 | 15 |
|                 | 37.3                       | 99                 | 2.1               | 3.0 | 4.3        | 32        | 0.9                   | 1.2        | 2.1 | 20 |
|                 | 49.8                       | 116                | 2.4               | 3.0 | 4.6        | 36        | 0.9                   | 1.2        | 2.4 | 23 |
|                 | 62.2                       | 130                | 2.7               | 3.4 | 4.9        | 40        | 0.9                   | 1.5        | 2.7 | 29 |
| 200             | 12.4                       | 76                 | 1.2               | 2.1 | 3.4        | –         | 0.3                   | 0.9        | 1.8 | –  |
|                 | 24.9                       | 109                | 2.1               | 2.7 | 4.0        | 22        | 0.6                   | 1.2        | 2.4 | –  |
|                 | 37.3                       | 135                | 2.4               | 3.0 | 4.6        | 28        | 1.2                   | 1.5        | 2.7 | 16 |
|                 | 49.8                       | 156                | 2.7               | 3.4 | 4.9        | 32        | 1.2                   | 1.8        | 3.0 | 20 |
|                 | 62.2                       | 175                | 3.0               | 3.7 | 5.2        | 35        | 1.5                   | 2.1        | 3.0 | 22 |
| 250             | 12.4                       | 118                | 0.9               | 1.5 | 2.7        | –         | 0.6                   | 1.2        | 2.1 | –  |
|                 | 24.9                       | 170                | 1.2               | 1.8 | 3.4        | 20        | 1.2                   | 1.5        | 3.0 | –  |
|                 | 37.3                       | 210                | 1.5               | 2.4 | 3.7        | 26        | 1.2                   | 2.1        | 3.4 | 16 |
|                 | 49.8                       | 241                | 1.8               | 2.7 | 4.0        | 30        | 1.5                   | 2.4        | 3.7 | 20 |
|                 | 62.2                       | 271                | 2.1               | 3.0 | 4.3        | 33        | 1.8                   | 2.7        | 4.0 | 23 |
| 300             | 12.4                       | 146                | 1.2               | 1.8 | 3.4        | –         | 0.9                   | 1.2        | 2.4 | –  |
|                 | 24.9                       | 212                | 1.8               | 2.7 | 4.0        | 20        | 1.2                   | 1.8        | 2.7 | –  |
|                 | 37.3                       | 262                | 2.1               | 3.0 | 4.3        | 26        | 1.5                   | 2.1        | 3.0 | 16 |
|                 | 49.8                       | 307                | 2.7               | 3.4 | 4.9        | 30        | 1.5                   | 2.4        | 3.4 | 22 |
|                 | 62.2                       | 345                | 2.7               | 3.7 | 4.9        | 34        | 1.8                   | 2.7        | 3.7 | 24 |

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- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PRD ROUND

## Maximum Flow Selection Table – Metric Units

| Inlet Size (mm) | Neck Velocity (m/s)    | 2.03        | 2.54        | 3.05        | 3.56        | 4.06        | 4.57        | 5.08        |
|-----------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                 | Velocity Pressure (Pa) | 2.5         | 3.9         | 5.6         | 7.6         | 9.9         | 12.6        | 15.5        |
| 150             | Static Pressure (Pa)   |             |             | 11.8        | 15.5        | 19.6        | 23.9        | 28.5        |
|                 | Total Pressure (Pa)    |             |             | 17.4        | 23.1        | 29.5        | 36.5        | 44.0        |
|                 | Flow rate (l/s)        |             |             | 56          | 65          | 74          | 83          | 93          |
|                 | Sound (NC)             |             |             | –           | 19          | 23          | 26          | 29          |
|                 | Throw (m)              |             |             | 0.6-1.2-2.1 | 0.9-1.2-2.1 | 0.9-1.5-2.4 | 1.2-1.5-2.4 | 1.2-1.8-2.7 |
| 200             | Static Pressure (Pa)   |             | 15.6        | 21.8        | 29.0        | 36.9        | 45.8        | 55.5        |
|                 | Total Pressure (Pa)    |             | 19.5        | 27.4        | 36.6        | 46.9        | 58.3        | 71.0        |
|                 | Flow rate (l/s)        |             | 82          | 99          | 115         | 132         | 148         | 165         |
|                 | Sound (NC)             |             | 17          | 22          | 27          | 31          | 34          | 37          |
|                 | Throw (m)              |             | 0.9-1.2-2.4 | 0.9-1.5-2.7 | 1.2-1.8-3.0 | 1.2-1.8-3.4 | 1.5-2.1-3.4 | 1.5-2.4-3.7 |
| 250             | Static Pressure (Pa)   |             | 14.0        | 19.4        | 25.8        | 33.0        | 41.3        | 50.9        |
|                 | Total Pressure (Pa)    |             | 17.8        | 25.0        | 33.4        | 42.9        | 53.9        | 66.4        |
|                 | Flow rate (l/s)        |             | 129         | 154         | 180         | 206         | 232         | 257         |
|                 | Sound (NC)             |             | 15          | 20          | 25          | 29          | 32          | 36          |
|                 | Throw (m)              |             | 0.9-1.5-3.0 | 1.2-1.8-3.7 | 1.5-2.1-3.7 | 1.8-2.4-4.0 | 1.8-2.7-4.3 | 2.1-3.0-4.6 |
| 300             | Static Pressure (Pa)   | 12.1        | 18.3        | 25.9        | 35.2        | 46.3        | 59.8        |             |
|                 | Total Pressure (Pa)    | 14.5        | 22.2        | 31.5        | 42.8        | 56.2        | 72.4        |             |
|                 | Flow rate (l/s)        | 148         | 185         | 222         | 259         | 297         | 334         |             |
|                 | Sound (NC)             | –           | 19          | 24          | 29          | 33          | 37          |             |
|                 | Throw (m)              | 1.2-1.8-3.4 | 1.5-2.4-4.0 | 1.8-2.7-4.3 | 2.1-3.4-4.6 | 2.4-3.4-4.9 | 2.7-3.7-5.2 |             |

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- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

## Modulated Flow Selection Table – Metric Units

| Inlet Size (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |            |           | 25% Maximum Flow Rate |            |     |    |
|-----------------|----------------------------|--------------------|-------------------|-----|------------|-----------|-----------------------|------------|-----|----|
|                 |                            |                    | Throw (m)         |     | Sound (NC) | Throw (m) |                       | Sound (NC) |     |    |
| 150             | 12.4                       | 59                 | 0.9               | 1.2 | 2.1        | 16        | 0.0                   | 0.3        | 0.9 | –  |
|                 | 24.9                       | 87                 | 1.2               | 1.8 | 2.7        | 27        | 0.3                   | 0.6        | 1.2 | –  |
|                 | 37.3                       | 111                | 1.5               | 2.1 | 3.0        | 34        | 0.3                   | 0.6        | 1.5 | 19 |
|                 | 49.8                       | 132                | 1.8               | 2.4 | 3.4        | 39        | 0.6                   | 0.9        | 1.8 | 24 |
|                 | 62.2                       | 151                | 1.8               | 2.4 | 3.4        | 42        | 0.6                   | 0.9        | 1.8 | 27 |
| 200             | 12.4                       | 76                 | 0.6               | 1.2 | 2.1        | –         | 0.0                   | 0.3        | 0.6 | –  |
|                 | 24.9                       | 109                | 1.2               | 1.5 | 3.0        | 25        | 0.3                   | 0.3        | 0.9 | –  |
|                 | 37.3                       | 135                | 1.2               | 2.1 | 3.4        | 31        | 0.3                   | 0.6        | 1.2 | –  |
|                 | 49.8                       | 156                | 1.5               | 2.4 | 3.7        | 35        | 0.3                   | 0.6        | 1.5 | 15 |
|                 | 62.2                       | 175                | 1.8               | 2.7 | 3.7        | 39        | 0.6                   | 0.9        | 1.5 | 18 |
| 250             | 12.4                       | 125                | 0.9               | 1.5 | 3.0        | –         | 0.3                   | 0.6        | 1.2 | –  |
|                 | 24.9                       | 179                | 1.5               | 2.1 | 3.7        | 25        | 0.6                   | 0.9        | 1.8 | –  |
|                 | 37.3                       | 219                | 1.8               | 2.7 | 4.3        | 31        | 0.6                   | 0.9        | 1.8 | 15 |
|                 | 49.8                       | 252                | 2.1               | 3.0 | 4.6        | 35        | 0.9                   | 1.2        | 2.1 | 19 |
|                 | 62.2                       | 283                | 2.4               | 3.4 | 4.9        | 39        | 0.9                   | 1.2        | 2.1 | 22 |
| 300             | 12.4                       | 156                | 1.2               | 2.1 | 3.7        | –         | 0.3                   | 0.6        | 1.2 | –  |
|                 | 24.9                       | 219                | 1.8               | 2.7 | 4.3        | 24        | 0.6                   | 0.9        | 1.8 | –  |
|                 | 37.3                       | 267                | 2.4               | 3.4 | 4.6        | 30        | 0.6                   | 0.9        | 2.1 | –  |
|                 | 49.8                       | 309                | 2.7               | 3.7 | 4.9        | 35        | 0.9                   | 1.2        | 2.1 | 17 |
|                 | 62.2                       | 340                | 3.0               | 3.7 | 5.2        | 38        | 0.9                   | 1.2        | 2.4 | 20 |

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- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PSD SWIRL

## Maximum Flow Selection Table – Metric Units

| Inlet Size (mm) | Neck Velocity (m/s)    | 2.03        | 2.54        | 3.05        | 3.56        | 4.06        | 4.57        | 5.08        |
|-----------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                 | Velocity Pressure (Pa) | 2.5         | 3.9         | 5.6         | 7.6         | 9.9         | 12.6        | 15.5        |
| 150             | Static Pressure (Pa)   |             |             |             | 13.6        | 17.7        | 22.5        | 27.8        |
|                 | Total Pressure (Pa)    |             |             |             | 21.2        | 27.7        | 35.0        | 43.3        |
|                 | Flow rate (l/s)        |             |             |             | 65          | 74          | 83          | 93          |
|                 | Sound (NC)             |             |             |             | 16          | 20          | 24          | 28          |
|                 | Throw (m)              |             |             |             | 0.3-0.6-1.5 | 0.3-0.9-1.5 | 0.6-0.9-1.8 | 0.6-0.9-2.1 |
| 200             | Static Pressure (Pa)   |             | 15.8        | 22.8        | 31.1        | 40.9        | 52.0        | 64.6        |
|                 | Total Pressure (Pa)    |             | 19.7        | 28.4        | 38.7        | 50.8        | 64.5        | 80.1        |
|                 | Flow rate (l/s)        |             | 82          | 99          | 115         | 132         | 148         | 165         |
|                 | Sound (NC)             |             | –           | 19          | 24          | 29          | 33          | 36          |
|                 | Throw (m)              |             | 0.6-0.9-1.8 | 0.6-1.2-1.8 | 0.9-1.2-2.1 | 0.9-1.5-2.1 | 1.2-1.5-2.4 | 1.2-1.8-2.4 |
| 250             | Static Pressure (Pa)   | 12.8        | 20.1        | 29.1        | 39.9        | 52.7        | 67.5        |             |
|                 | Total Pressure (Pa)    | 15.3        | 23.9        | 34.7        | 47.5        | 62.6        | 80.1        |             |
|                 | Flow rate (l/s)        | 103         | 129         | 154         | 180         | 206         | 232         |             |
|                 | Sound (NC)             | –           | 20          | 26          | 31          | 36          | 40          |             |
|                 | Throw (m)              | 0.6-1.2-1.8 | 0.9-1.5-2.1 | 1.2-1.8-2.4 | 1.2-1.8-2.7 | 1.5-1.8-2.7 | 1.8-2.1-3.0 |             |
| 300             | Static Pressure (Pa)   | 21.9        | 34.4        | 50.0        | 68.9        |             |             |             |
|                 | Total Pressure (Pa)    | 24.3        | 38.3        | 55.6        | 76.5        |             |             |             |
|                 | Flow rate (l/s)        | 148         | 185         | 222         | 259         |             |             |             |
|                 | Sound (NC)             | 21          | 28          | 34          | 39          |             |             |             |
|                 | Throw (m)              | 0.9-1.5-2.7 | 1.2-1.8-3.0 | 1.5-2.1-3.4 | 1.5-2.4-3.7 |             |             |             |

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- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

## Modulated Flow Selection Table – Metric Units

| Inlet Size (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |            |           | 25% Maximum Flow Rate |            |     |    |
|-----------------|----------------------------|--------------------|-------------------|-----|------------|-----------|-----------------------|------------|-----|----|
|                 |                            |                    | Throw (m)         |     | Sound (NC) | Throw (m) |                       | Sound (NC) |     |    |
| 150             | 12.4                       | 61                 | 0.3               | 0.6 | 1.2        | –         | 0.0                   | 0.0        | 0.3 | –  |
|                 | 24.9                       | 87                 | 0.6               | 0.9 | 1.8        | 26        | 0.0                   | 0.0        | 0.3 | 17 |
|                 | 37.3                       | 106                | 0.9               | 1.2 | 2.1        | 32        | 0.0                   | 0.3        | 0.6 | 22 |
|                 | 49.8                       | 123                | 0.9               | 1.2 | 2.4        | 37        | 0.0                   | 0.3        | 0.9 | 25 |
|                 | 62.2                       | 137                | 0.9               | 1.5 | 2.4        | 41        | 0.0                   | 0.3        | 0.9 | 28 |
| 200             | 12.4                       | 73                 | 0.3               | 0.9 | 1.5        | –         | 0.0                   | 0.0        | 0.3 | –  |
|                 | 24.9                       | 104                | 0.6               | 1.2 | 2.1        | 21        | 0.0                   | 0.3        | 0.6 | 17 |
|                 | 37.3                       | 127                | 0.9               | 1.5 | 2.1        | 27        | 0.0                   | 0.3        | 0.9 | 22 |
|                 | 49.8                       | 146                | 1.2               | 1.5 | 2.4        | 32        | 0.0                   | 0.3        | 0.9 | 25 |
|                 | 62.2                       | 163                | 1.2               | 1.8 | 2.4        | 36        | 0.3                   | 0.3        | 0.9 | 28 |
| 250             | 12.4                       | 104                | 0.6               | 1.2 | 2.1        | –         | 0.0                   | 0.3        | 0.6 | 17 |
|                 | 24.9                       | 144                | 0.9               | 1.5 | 2.4        | 24        | 0.0                   | 0.3        | 0.9 | 24 |
|                 | 37.3                       | 175                | 1.2               | 1.8 | 2.4        | 30        | 0.3                   | 0.6        | 0.9 | 30 |
|                 | 49.8                       | 201                | 1.5               | 1.8 | 2.7        | 35        | 0.3                   | 0.6        | 0.9 | 33 |
|                 | 62.2                       | 224                | 1.5               | 2.1 | 3.0        | 39        | 0.3                   | 0.6        | 1.2 | 36 |
| 300             | 12.4                       | 113                | 0.6               | 1.2 | 2.1        | –         | 0.0                   | 0.3        | 0.6 | –  |
|                 | 24.9                       | 160                | 0.9               | 1.5 | 2.7        | 23        | 0.3                   | 0.3        | 0.9 | 22 |
|                 | 37.3                       | 193                | 1.2               | 1.8 | 3.0        | 29        | 0.3                   | 0.6        | 0.9 | 28 |
|                 | 49.8                       | 222                | 1.5               | 2.1 | 3.4        | 34        | 0.3                   | 0.6        | 1.2 | 31 |
|                 | 62.2                       | 248                | 1.5               | 2.4 | 3.7        | 38        | 0.6                   | 0.9        | 1.2 | 34 |

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# PERFORMANCE DATA – PLD LINEAR (LOCATION – CEILING MOUNT)

## Maximum Flow Selection Table – Metric Units

### PLD 1-Slot 1-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Neck Velocity (m/s)    | 1.02 | 1.52        | 2.03        | 2.54        | 3.05        | 3.56        | 4.06        |
|---------------------|------------------------|------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Velocity Pressure (Pa) | 0.6  | 1.4         | 2.5         | 3.9         | 5.6         | 7.6         | 9.9         |
| 600                 | Static Pressure (Pa)   |      | 24.0        | 48.0        | 72.4        |             |             |             |
|                     | Total Pressure (Pa)    |      | 25.4        | 50.4        | 76.3        |             |             |             |
|                     | Flow Rate (l/s)        |      | 28          | 37          | 46          |             |             |             |
|                     | Sound (NC)             |      | 19          | 26          | 32          |             |             |             |
|                     | Throw (m)              |      | 3.2-2.5-1.4 | 6.0-4.3-2.9 | 7.5-5.7-3.6 |             |             |             |
| 900                 | Static Pressure (Pa)   |      |             | 17.8        | 30.0        | 43.8        | 60.1        | 76.4        |
|                     | Total Pressure (Pa)    |      |             | 20.2        | 33.8        | 49.4        | 67.7        | 86.3        |
|                     | Flow Rate (l/s)        |      |             | 37          | 46          | 56          | 65          | 74          |
|                     | Sound (NC)             |      |             | 17          | 22          | 26          | 30          | 34          |
|                     | Throw (m)              |      |             | 2.8-2.1-1.6 | 4.1-3.2-2.3 | 5.7-4.4-2.9 | 7.2-5.4-3.6 | 8.1-5.9-4.1 |
| 1200                | Static Pressure (Pa)   |      | 17.7        | 32.2        | 49.5        |             |             |             |
|                     | Total Pressure (Pa)    |      | 19.1        | 34.6        | 53.4        |             |             |             |
|                     | Flow Rate (l/s)        |      | 49          | 66          | 82          |             |             |             |
|                     | Sound (NC)             |      | 12          | 26          | 31          |             |             |             |
|                     | Throw (m)              |      | 3.4-2.4-1.6 | 6.4-4.5-2.6 | 7.7-5.5-3.3 |             |             |             |
| 1500                | Static Pressure (Pa)   |      | 13.6        | 22.3        | 35.1        | 49.5        | 71.1        |             |
|                     | Total Pressure (Pa)    |      | 15.0        | 24.8        | 38.9        | 55.1        | 78.7        |             |
|                     | Flow Rate (l/s)        |      | 49          | 66          | 82          | 99          | 115         |             |
|                     | Sound (NC)             |      | 11          | 23          | 29          | 32          | 37          |             |
|                     | Throw (m)              |      | 2.3-1.9-1.5 | 3.4-2.7-2.0 | 5.2-4.4-2.8 | 6.2-4.8-3.3 | 8.1-6.0-3.9 |             |

**Performance Notes:**

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- Tested in accordance with ASHRAE Standard 70-2006 (RA2011) "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

### PLD 2-Slot 1-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Neck Velocity (m/s)    | 2.03        | 2.54        | 3.05        | 3.56        | 4.06        | 4.57        | 5.08        |
|---------------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Velocity Pressure (Pa) | 2.5         | 3.9         | 5.6         | 7.6         | 9.9         | 12.6        | 15.5        |
| 600                 | Static Pressure (Pa)   | 19.2        | 30.0        | 42.2        | 55.9        | 72.2        |             |             |
|                     | Total Pressure (Pa)    | 21.7        | 33.8        | 47.8        | 63.5        | 82.2        |             |             |
|                     | Flow Rate (l/s)        | 37          | 46          | 56          | 65          | 74          |             |             |
|                     | Sound (NC)             | 18          | 22          | 27          | 30          | 34          |             |             |
|                     | Throw (m)              | 2.8-2.1-1.5 | 4.0-3.2-2.1 | 5.5-4.3-2.7 | 6.6-4.9-3.1 | 7.5-5.4-3.6 |             |             |
| 900                 | Static Pressure (Pa)   |             | 17.1        | 24.1        | 33.6        | 44.8        | 59.5        |             |
|                     | Total Pressure (Pa)    |             | 21.0        | 29.7        | 41.2        | 54.8        | 72.1        |             |
|                     | Flow Rate (l/s)        |             | 46          | 56          | 65          | 74          | 83          |             |
|                     | Sound (NC)             |             | 19          | 23          | 25          | 28          | 32          |             |
|                     | Throw (m)              |             | 2.4-1.6-1.1 | 3.2-2.5-1.8 | 4.3-3.3-2.3 | 5.4-4.1-2.8 | 6.4-5.0-3.2 |             |
| 1200                | Static Pressure (Pa)   | 18.5        | 27.8        | 38.7        | 49.5        | 63.9        | 78.4        |             |
|                     | Total Pressure (Pa)    | 22.4        | 33.4        | 46.3        | 59.5        | 76.5        | 93.9        |             |
|                     | Flow Rate (l/s)        | 82          | 99          | 115         | 132         | 148         | 165         |             |
|                     | Sound (NC)             | 20          | 25          | 30          | 32          | 35          | 39          |             |
|                     | Throw (m)              | 4.2-3.5-2.2 | 6.1-5.1-3.2 | 8.1-6.3-4.1 | 8.8-6.6-4.4 | 9.2-7.0-4.8 | 9.6-7.4-5.2 |             |
| 1500                | Static Pressure (Pa)   |             | 13.4        | 20.6        | 28.5        | 37.1        | 48.0        | 58.8        |
|                     | Total Pressure (Pa)    |             | 17.3        | 26.2        | 36.1        | 47.1        | 60.5        | 74.3        |
|                     | Flow Rate (l/s)        |             | 82          | 99          | 115         | 132         | 148         | 165         |
|                     | Sound (NC)             |             | 18          | 22          | 26          | 30          | 32          | 34          |
|                     | Throw (m)              |             | 2.4-1.7-1.2 | 4.1-3.1-2.1 | 5.6-4.3-2.8 | 6.9-5.1-3.3 | 7.3-5.4-3.6 | 7.8-6.0-3.9 |

**Performance Notes:**

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- Tested in accordance with ASHRAE Standard 70-2006 (RA2011) "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PLD LINEAR (LOCATION – CEILING MOUNT)

## Maximum Flow Selection Table – Metric Units

### PLD 2-Slot 2-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Neck Velocity (m/s)    | 2.03        | 2.54        | 3.05        | 3.56        | 4.06        | 4.57        | 5.08        |
|---------------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Velocity Pressure (Pa) | 2.5         | 3.9         | 5.6         | 7.6         | 9.9         | 12.6        | 15.5        |
| 600                 | Static Pressure (Pa)   | 17.8        | 28.3        | 36.4        | 46.0        | 57.3        | 69.5        | 81.7        |
|                     | Total Pressure (Pa)    | 20.2        | 32.2        | 42.0        | 53.6        | 67.2        | 82.1        | 97.2        |
|                     | Flow Rate (l/s)        | 37          | 46          | 56          | 65          | 74          | 83          | 93          |
|                     | Sound (NC)             | 15          | 17          | 21          | 24          | 28          | 33          | 38          |
|                     | Throw (m)              | 1.6-1.3-0.9 | 2.2-1.8-1.2 | 3.2-2.5-1.4 | 3.5-2.8-1.7 | 4.3-3.4-2.3 | 5.4-4.1-3.0 | 6.5-4.8-3.7 |
| 900                 | Static Pressure (Pa)   |             | 18.9        | 25.9        | 32.9        | 41.7        | 55.3        | 71.6        |
|                     | Total Pressure (Pa)    |             | 22.8        | 31.5        | 40.5        | 51.7        | 67.9        | 87.1        |
|                     | Flow Rate (l/s)        |             | 46          | 56          | 65          | 74          | 83          | 93          |
|                     | Sound (NC)             |             | 16          | 17          | 20          | 25          | 30          | 35          |
|                     | Throw (m)              |             | 2.0-1.5-0.9 | 2.6-1.9-1.2 | 3.0-2.3-1.6 | 3.6-2.8-2.1 | 4.4-3.5-2.7 | 5.3-3.9-3.2 |
| 1200                | Static Pressure (Pa)   |             | 18.5        | 27.8        | 38.7        | 49.5        | 63.9        | 78.4        |
|                     | Total Pressure (Pa)    |             | 22.4        | 33.4        | 46.3        | 59.5        | 76.5        | 93.9        |
|                     | Flow Rate (l/s)        |             | 82          | 99          | 115         | 132         | 148         | 165         |
|                     | Sound (NC)             |             | 17          | 21          | 25          | 29          | 34          | 38          |
|                     | Throw (m)              |             | 3.3-2.5-1.8 | 4.2-3.5-2.7 | 4.9-4.1-3.3 | 6.2-5.1-3.7 | 7.1-5.5-4.1 | 7.9-6.0-4.5 |
| 1500                | Static Pressure (Pa)   |             | 13.2        | 19.5        | 26.0        | 34.7        | 44.8        | 55.7        |
|                     | Total Pressure (Pa)    |             | 17.1        | 25.0        | 33.6        | 44.6        | 57.4        | 71.2        |
|                     | Flow Rate (l/s)        |             | 82          | 99          | 115         | 132         | 148         | 165         |
|                     | Sound (NC)             |             | 15          | 18          | 21          | 25          | 29          | 32          |
|                     | Throw (m)              |             | 2.2-1.5-1.1 | 2.6-1.9-1.3 | 3.0-2.3-1.5 | 3.5-2.8-1.8 | 4.5-3.6-2.3 | 5.8-4.5-2.9 |

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- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

### PLD 4-Slot 1-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Neck Velocity (m/s)    | 3.05        | 3.56        | 4.06         | 4.57         | 5.08          | 5.59          | 6.10          |
|---------------------|------------------------|-------------|-------------|--------------|--------------|---------------|---------------|---------------|
|                     | Velocity Pressure (Pa) | 5.6         | 7.6         | 9.9          | 12.6         | 15.5          | 18.8          | 22.3          |
| 600                 | Static Pressure (Pa)   | 24.8        | 33.4        | 43.3         | 54.8         | 67.2          | 79.6          |               |
|                     | Total Pressure (Pa)    | 30.4        | 41.0        | 53.2         | 67.4         | 82.7          | 98.4          |               |
|                     | Flow Rate (l/s)        | 99          | 115         | 132          | 148          | 165           | 181           |               |
|                     | Sound (NC)             | 26          | 27          | 30           | 34           | 37            | 40            |               |
|                     | Throw (m)              | 4.7-3.6-2.5 | 6.3-4.9-3.1 | 7.1-5.7-3.5  | 7.5-6.1-4.0  | 7.8-6.9-4.7   | 8.2-7.6-5.4   |               |
| 900                 | Static Pressure (Pa)   | 17.7        | 23.9        | 31.0         | 38.4         | 47.0          | 57.2          | 68.1          |
|                     | Total Pressure (Pa)    | 23.3        | 31.5        | 40.9         | 50.9         | 62.6          | 76.0          | 90.4          |
|                     | Flow Rate (l/s)        | 99          | 115         | 132          | 148          | 165           | 181           | 198           |
|                     | Sound (NC)             | 20          | 25          | 28           | 30           | 33            | 36            | 38            |
|                     | Throw (m)              | 3.4-2.9-2.1 | 4.9-4.2-2.8 | 6.0-4.7-3.3  | 7.0-5.2-3.7  | 7.5-6.3-4.2   | 7.9-6.8-4.6   | 8.2-7.1-4.9   |
| 1200                | Static Pressure (Pa)   | 13.6        | 18.8        | 24.1         | 30.6         | 37.4          | 44.4          | 54.1          |
|                     | Total Pressure (Pa)    | 19.2        | 26.4        | 34.0         | 43.2         | 52.9          | 63.2          | 76.5          |
|                     | Flow Rate (l/s)        | 154         | 180         | 206          | 232          | 257           | 283           | 309           |
|                     | Sound (NC)             | 16          | 22          | 27           | 31           | 34            | 36            | 39            |
|                     | Throw (m)              | 6.0-4.9-3.4 | 6.6-5.5-3.9 | 7.2-6.1-4.3  | 8.3-7.2-5.1  | 9.5-8.4-5.9   | 12.5-10.1-7.2 | 13.1-11.0-8.1 |
| 1500                | Static Pressure (Pa)   | 17.7        | 23.4        | 30.5         | 38.1         | 47.4          | 57.3          | 67.2          |
|                     | Total Pressure (Pa)    | 23.2        | 31.0        | 40.4         | 50.7         | 63.0          | 76.0          | 89.6          |
|                     | Flow Rate (l/s)        | 222         | 259         | 297          | 334          | 371           | 408           | 445           |
|                     | Sound (NC)             | 21          | 27          | 31           | 34           | 37            | 40            | 42            |
|                     | Throw (m)              | 7.4-6.3-4.6 | 8.8-7.7-5.3 | 10.3-8.7-6.0 | 11.8-9.6-6.7 | 12.9-10.7-7.8 | 14.0-11.6-8.7 | 15.2-12.5-9.6 |

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- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PLD LINEAR (LOCATION – CEILING MOUNT)

## Maximum Flow Selection Table – Metric Units

### PLD 4-Slot 2-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Neck Velocity (m/s)    | 3.05        | 3.56        | 4.06        | 4.57        | 5.08        | 5.59        | 6.10        |
|---------------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Velocity Pressure (Pa) | 5.6         | 7.6         | 9.9         | 12.6        | 15.5        | 18.8        | 22.3        |
| 600                 | Static Pressure (Pa)   | 24.8        | 33.4        | 43.3        | 54.8        | 67.2        | 79.6        |             |
|                     | Total Pressure (Pa)    | 30.4        | 41.0        | 53.2        | 67.4        | 82.7        | 98.4        |             |
|                     | Flow Rate (l/s)        | 99          | 115         | 132         | 148         | 165         | 181         |             |
|                     | Sound (NC)             | 23          | 25          | 28          | 31          | 34          | 37          |             |
|                     | Throw (m)              | 2.6-1.8-1.1 | 3.1-2.3-1.6 | 3.6-2.9-2.2 | 4.3-3.6-2.7 | 5.0-4.3-3.1 | 5.8-5.0-3.4 |             |
|                     |                        |             |             |             |             |             |             |             |
| 900                 | Static Pressure (Pa)   | 16.5        | 22.3        | 28.9        | 35.9        | 44.6        | 54.1        | 65.0        |
|                     | Total Pressure (Pa)    | 22.1        | 29.9        | 38.8        | 48.4        | 60.1        | 72.9        | 87.3        |
|                     | Flow Rate (l/s)        | 99          | 115         | 132         | 148         | 165         | 181         | 198         |
|                     | Sound (NC)             | 18          | 21          | 24          | 27          | 29          | 32          | 35          |
|                     | Throw (m)              | 2.2-1.7-1.2 | 2.7-2.0-1.4 | 3.2-2.4-1.7 | 3.6-2.8-2.1 | 4.1-3.4-2.6 | 4.6-3.9-3.1 | 5.3-4.6-3.4 |
|                     |                        |             |             |             |             |             |             |             |
| 1200                | Static Pressure (Pa)   | 18.1        | 24.0        | 31.3        | 39.3        | 49.0        | 58.6        | 68.3        |
|                     | Total Pressure (Pa)    | 23.7        | 31.6        | 41.2        | 51.8        | 64.5        | 77.4        | 90.7        |
|                     | Flow Rate (l/s)        | 154         | 180         | 206         | 232         | 257         | 283         | 309         |
|                     | Sound (NC)             | 20          | 24          | 29          | 33          | 37          | 38          | 40          |
|                     | Throw (m)              | 3.4-2.9-2.2 | 3.9-3.2-2.5 | 4.6-3.9-2.9 | 5.3-4.5-3.3 | 6.1-5.1-3.6 | 7.0-5.9-4.2 | 7.9-6.8-4.7 |
|                     |                        |             |             |             |             |             |             |             |
| 1500                | Static Pressure (Pa)   | 15.4        | 21.0        | 27.0        | 33.9        | 41.7        | 50.3        | 60.0        |
|                     | Total Pressure (Pa)    | 21.0        | 28.6        | 36.9        | 46.5        | 57.2        | 69.0        | 82.4        |
|                     | Flow Rate (l/s)        | 222         | 259         | 297         | 334         | 371         | 408         | 445         |
|                     | Sound (NC)             | 22          | 37          | 31          | 34          | 36          | 39          | 41          |
|                     | Throw (m)              | 3.6-3.1-2.4 | 4.0-3.4-2.7 | 4.6-3.9-3.0 | 5.5-4.7-3.5 | 6.2-5.4-3.9 | 7.0-5.9-4.4 | 7.6-6.5-4.7 |
|                     |                        |             |             |             |             |             |             |             |

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- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PLD LINEAR (LOCATION – WALL MOUNT)

## Maximum Flow Selection Table – Metric Units

### PLD 1-Slot 1-Way Linear (Wall Mount)

| Nominal Length (mm) | Neck Velocity (m/s)    | 1.02 | 1.52        | 2.03        | 2.54        | 3.05        | 3.56        | 4.06        |
|---------------------|------------------------|------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Velocity Pressure (Pa) | 0.6  | 1.4         | 2.5         | 3.9         | 5.6         | 7.6         | 9.9         |
| 600                 | Static Pressure (Pa)   |      | 24.0        | 48.0        | 72.4        |             |             |             |
|                     | Total Pressure (Pa)    |      | 25.4        | 50.4        | 76.3        |             |             |             |
|                     | Flow Rate (l/s)        |      | 28          | 37          | 46          |             |             |             |
|                     | Sound (NC)             |      | 19          | 24          | 29          |             |             |             |
|                     | Throw (m)              |      | 1.8-1.4-1.4 | 2.1-1.8-1.5 | 2.9-2.5-2.1 |             |             |             |
| 900                 | Static Pressure (Pa)   |      |             | 17.8        | 30.0        | 43.8        | 60.1        | 76.4        |
|                     | Total Pressure (Pa)    |      |             | 20.2        | 33.8        | 49.4        | 67.7        | 86.3        |
|                     | Flow Rate (l/s)        |      |             | 37          | 46          | 56          | 65          | 74          |
|                     | Sound (NC)             |      |             | 17          | 20          | 24          | 27          | 31          |
|                     | Throw (m)              |      |             | 1.6-1.3-1.0 | 1.8-1.5-1.5 | 2.2-1.8-1.7 | 2.6-2.2-1.8 | 2.6-2.2-1.8 |
| 1200                | Static Pressure (Pa)   |      | 17.7        | 32.2        | 49.5        |             |             |             |
|                     | Total Pressure (Pa)    |      | 19.1        | 34.6        | 53.4        |             |             |             |
|                     | Flow Rate (l/s)        |      | 49          | 66          | 82          |             |             |             |
|                     | Sound (NC)             |      | 12          | 23          | 28          |             |             |             |
|                     | Throw (m)              |      | 1.6-1.3-1.1 | 2.0-1.7-1.3 | 2.6-2.2-1.8 |             |             |             |
| 1500                | Static Pressure (Pa)   |      | 13.6        | 22.3        | 35.1        | 49.5        | 71.1        |             |
|                     | Total Pressure (Pa)    |      | 15.0        | 24.8        | 38.9        | 55.1        | 78.7        |             |
|                     | Flow Rate (l/s)        |      | 49          | 66          | 82          | 99          | 115         |             |
|                     | Sound (NC)             |      | 9           | 21          | 25          | 29          | 34          |             |
|                     | Throw (m)              |      | 1.5-1.1-1.1 | 1.8-1.4-1.4 | 2.4-2.1-1.8 | 2.6-2.2-1.8 | 3.2-2.2-1.8 |             |

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- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

### PLD 2-Slot 1-Way Linear (Wall Mount)

| Nominal Length (mm) | Neck Velocity (m/s)    | 2.03        | 2.54        | 3.05        | 3.56        | 4.06        | 4.57        | 5.08        |
|---------------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Velocity Pressure (Pa) | 2.5         | 3.9         | 5.6         | 7.6         | 9.9         | 12.6        | 15.5        |
| 600                 | Static Pressure (Pa)   | 19.2        | 30.0        | 42.2        | 55.9        | 72.2        | 88.5        |             |
|                     | Total Pressure (Pa)    | 21.7        | 33.8        | 47.8        | 63.5        | 82.2        | 101.1       |             |
|                     | Flow Rate (l/s)        | 37          | 46          | 56          | 65          | 74          | 83          |             |
|                     | Sound (NC)             | 17          | 21          | 25          | 30          | 33          | 35          |             |
|                     | Throw (m)              | 1.7-1.3-1.3 | 2.0-1.6-1.5 | 2.3-2.0-1.6 | 2.6-2.2-1.8 | 2.6-2.2-1.8 | 2.6-2.2-1.8 |             |
| 900                 | Static Pressure (Pa)   |             | 17.1        | 24.1        | 33.6        | 44.8        | 59.5        | 75.8        |
|                     | Total Pressure (Pa)    |             | 21.0        | 29.7        | 41.2        | 54.8        | 72.1        | 91.3        |
|                     | Flow Rate (l/s)        |             | 46          | 56          | 65          | 74          | 83          | 93          |
|                     | Sound (NC)             |             | 18          | 22          | 23          | 27          | 31          | 33          |
|                     | Throw (m)              |             | 1.2-0.9-0.9 | 1.4-1.1-1.1 | 1.7-1.4-1.4 | 2.0-1.7-1.5 | 2.5-2.1-1.7 | 3.0-2.6-2.2 |
| 1200                | Static Pressure (Pa)   |             | 18.5        | 27.8        | 38.7        | 49.5        | 63.9        | 78.4        |
|                     | Total Pressure (Pa)    |             | 22.4        | 33.4        | 46.3        | 59.5        | 76.5        | 93.9        |
|                     | Flow Rate (l/s)        |             | 82          | 99          | 115         | 132         | 148         | 165         |
|                     | Sound (NC)             |             | 19          | 24          | 27          | 30          | 32          | 35          |
|                     | Throw (m)              |             | 2.7-2.4-2.0 | 3.0-2.6-2.3 | 3.3-3.0-2.6 | 3.7-3.3-2.9 | 3.7-3.3-2.9 | 3.7-3.3-2.9 |
| 1500                | Static Pressure (Pa)   |             | 13.4        | 20.6        | 28.5        | 37.1        | 48.0        | 58.8        |
|                     | Total Pressure (Pa)    |             | 17.3        | 26.2        | 36.1        | 47.1        | 60.5        | 74.3        |
|                     | Flow Rate (l/s)        |             | 82          | 99          | 115         | 132         | 148         | 165         |
|                     | Sound (NC)             |             | 16          | 20          | 24          | 27          | 30          | 31          |
|                     | Throw (m)              |             | 1.9-1.5-1.2 | 2.3-1.9-1.6 | 2.7-2.3-1.9 | 2.9-2.6-2.2 | 3.2-2.9-2.2 | 3.6-2.9-2.5 |

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- Tested in accordance with ASHRAE Standard 70-2006 (RA2011) "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PLD LINEAR (LOCATION – WALL MOUNT)

## Maximum Flow Selection Table – Metric Units

### PLD 4-Slot 1-Way Linear (Wall Mount)

| Nominal Length (mm) | Neck Velocity (m/s)    | 3.05        | 3.56        | 4.06        | 4.57        | 5.08        | 5.59        | 6.10        |
|---------------------|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
|                     | Velocity Pressure (Pa) | 5.6         | 7.6         | 9.9         | 12.6        | 15.5        | 18.8        | 22.3        |
| 600                 | Static Pressure (Pa)   | 24.8        | 33.4        | 43.3        | 54.8        | 67.2        | 79.6        |             |
|                     | Total Pressure (Pa)    | 30.4        | 41.0        | 53.2        | 67.4        | 82.7        | 98.4        |             |
|                     | Flow Rate (l/s)        | 99          | 115         | 132         | 148         | 165         | 181         |             |
|                     | Sound (NC)             | 19          | 21          | 24          | 29          | 33          | 37          |             |
|                     | Throw (m)              | 2.6-2.2-1.8 | 2.8-2.4-2.1 | 2.9-2.6-2.2 | 3.1-2.7-2.3 | 3.4-3.1-2.7 | 3.8-3.4-3.1 |             |
| 900                 | Static Pressure (Pa)   | 17.7        | 23.9        | 31.0        | 38.4        | 47.0        | 57.2        | 68.1        |
|                     | Total Pressure (Pa)    | 23.3        | 31.5        | 40.9        | 50.9        | 62.6        | 76.0        | 90.4        |
|                     | Flow Rate (l/s)        | 99          | 115         | 132         | 148         | 165         | 181         | 198         |
|                     | Sound (NC)             | 19          | 24          | 26          | 28          | 31          | 34          | 38          |
|                     | Throw (m)              | 1.8-1.4-1.3 | 2.1-1.8-1.4 | 2.4-2.0-1.6 | 2.6-2.2-1.9 | 2.8-2.5-2.1 | 2.9-2.6-2.2 | 2.9-2.6-2.2 |
| 1200                | Static Pressure (Pa)   | 13.6        | 18.8        | 24.1        | 30.6        | 37.4        | 44.4        | 54.1        |
|                     | Total Pressure (Pa)    | 19.2        | 26.4        | 34.0        | 43.2        | 52.9        | 63.2        | 76.5        |
|                     | Flow Rate (l/s)        | 154         | 180         | 206         | 232         | 257         | 283         | 309         |
|                     | Sound (NC)             | 16          | 21          | 25          | 29          | 32          | 33          | 38          |
|                     | Throw (m)              | 3.4-2.6-2.2 | 3.7-2.9-2.4 | 4.0-3.2-2.5 | 4.0-3.3-2.6 | 4.0-3.3-2.6 | 4.6-3.9-3.1 | 4.9-4.2-3.4 |
| 1500                | Static Pressure (Pa)   | 17.7        | 23.4        | 30.5        | 38.2        | 48.0        | 57.7        | 67.5        |
|                     | Total Pressure (Pa)    | 23.2        | 31.0        | 40.4        | 50.7        | 63.5        | 76.5        | 89.8        |
|                     | Flow Rate (l/s)        | 222         | 259         | 297         | 334         | 371         | 408         | 445         |
|                     | Sound (NC)             | 20          | 26          | 29          | 32          | 35          | 38          | 40          |
|                     | Throw (m)              | 4.3-3.6-2.9 | 4.7-3.9-3.2 | 4.8-4.0-3.3 | 4.8-4.0-3.3 | 5.4-4.3-3.6 | 6.0-5.1-4.1 | 6.5-6.0-4.7 |

**Performance Notes:**

- All SI (metric) values are soft conversion from I-P
- Tested in accordance with ASHRAE Standard 70-2006 (RA2011) "Method of Testing for Rating the Performance of Air Outlets and Inlets"
- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.



# PERFORMANCE DATA – PLD LINEAR (LOCATION – CEILING MOUNT)

## Modulated Flow Selection Table – Metric Units

### PLD 1-Slot 1-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |            |           | 25% Maximum Flow Rate |            |     |    |
|---------------------|----------------------------|--------------------|-------------------|-----|------------|-----------|-----------------------|------------|-----|----|
|                     |                            |                    | Throw (m)         |     | Sound (NC) | Throw (m) |                       | Sound (NC) |     |    |
| 600                 | 12.4                       | 21                 | 2.2               | 1.5 | 1.1        | 15        | 1.5                   | 1.1        | 0.4 | –  |
|                     | 24.9                       | 28                 | 3.3               | 2.6 | 1.5        | 19        | 2.2                   | 1.5        | 0.7 | 15 |
|                     | 37.3                       | 33                 | 4.8               | 3.7 | 2.6        | 23        | 2.9                   | 2.2        | 1.5 | 16 |
|                     | 49.8                       | 38                 | 6.2               | 4.4 | 2.9        | 27        | 3.7                   | 2.9        | 1.8 | 21 |
|                     | 62.2                       | 42                 | 6.9               | 5.1 | 3.3        | 30        | 4.4                   | 3.3        | 2.2 | 24 |
| 900                 | 12.4                       | 33                 | 2.2               | 1.5 | 1.1        | 15        | 1.5                   | 1.1        | 0.4 | –  |
|                     | 24.9                       | 42                 | 3.7               | 2.9 | 2.2        | 20        | 2.2                   | 1.5        | 0.7 | 15 |
|                     | 37.3                       | 52                 | 4.8               | 3.7 | 2.6        | 24        | 2.9                   | 2.2        | 1.5 | 17 |
|                     | 49.8                       | 59                 | 6.6               | 5.1 | 3.3        | 28        | 3.7                   | 2.6        | 1.8 | 21 |
|                     | 62.2                       | 66                 | 7.3               | 5.5 | 3.7        | 31        | 4.4                   | 3.3        | 2.2 | 24 |
| 1200                | 12.4                       | 42                 | 2.2               | 1.5 | 1.1        | 16        | 1.5                   | 1.1        | 0.4 | 15 |
|                     | 24.9                       | 59                 | 5.1               | 3.7 | 2.2        | 23        | 2.9                   | 2.2        | 1.5 | 17 |
|                     | 37.3                       | 71                 | 7.3               | 5.1 | 2.9        | 28        | 4.4                   | 2.9        | 1.8 | 20 |
|                     | 49.8                       | 83                 | 7.7               | 5.5 | 3.3        | 31        | 4.8                   | 3.7        | 2.2 | 24 |
|                     | 62.2                       | 90                 | 8.0               | 6.2 | 4.0        | 34        | 5.1                   | 4.4        | 2.6 | 28 |
| 1500                | 12.4                       | 47                 | 2.2               | 1.8 | 1.5        | 17        | 1.5                   | 1.1        | 0.4 | 15 |
|                     | 24.9                       | 71                 | 3.7               | 2.9 | 2.2        | 24        | 2.2                   | 1.5        | 0.7 | 19 |
|                     | 37.3                       | 85                 | 5.5               | 4.8 | 2.9        | 30        | 3.3                   | 2.2        | 1.5 | 23 |
|                     | 49.8                       | 99                 | 6.2               | 4.8 | 3.3        | 32        | 3.7                   | 2.6        | 1.8 | 26 |
|                     | 62.2                       | 109                | 7.3               | 5.5 | 3.7        | 35        | 4.4                   | 3.3        | 2.2 | 29 |

**Performance Notes:**

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- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

### PLD 2-Slot 1-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |            |           | 25% Maximum Flow Rate |            |     |    |
|---------------------|----------------------------|--------------------|-------------------|-----|------------|-----------|-----------------------|------------|-----|----|
|                     |                            |                    | Throw (m)         |     | Sound (NC) | Throw (m) |                       | Sound (NC) |     |    |
| 600                 | 12.4                       | 31                 | 2.2               | 1.5 | 1.1        | 15        | 1.5                   | 1.1        | 0.4 | 15 |
|                     | 24.9                       | 42                 | 3.3               | 2.6 | 1.8        | 20        | 2.2                   | 1.5        | 0.7 | 19 |
|                     | 37.3                       | 52                 | 5.1               | 4.0 | 2.6        | 25        | 3.3                   | 2.2        | 1.5 | 24 |
|                     | 49.8                       | 61                 | 6.2               | 4.8 | 2.9        | 29        | 3.7                   | 2.6        | 1.8 | 28 |
|                     | 62.2                       | 68                 | 6.9               | 5.1 | 3.3        | 32        | 4.4                   | 3.3        | 2.2 | 31 |
| 900                 | 12.4                       | 40                 | 1.8               | 1.1 | 0.7        | 16        | 1.1                   | 0.4        | 0.4 | 15 |
|                     | 24.9                       | 57                 | 3.3               | 2.6 | 1.8        | 23        | 1.8                   | 1.5        | 0.7 | 22 |
|                     | 37.3                       | 68                 | 4.8               | 3.7 | 2.6        | 26        | 2.9                   | 2.2        | 1.5 | 25 |
|                     | 49.8                       | 78                 | 5.9               | 4.4 | 2.9        | 30        | 3.7                   | 2.6        | 1.8 | 29 |
|                     | 62.2                       | 85                 | 6.6               | 5.1 | 3.3        | 33        | 4.4                   | 3.3        | 2.2 | 32 |
| 1200                | 12.4                       | 71                 | 2.9               | 2.2 | 1.5        | 17        | 1.8                   | 1.5        | 0.7 | 15 |
|                     | 24.9                       | 94                 | 5.5               | 4.8 | 2.9        | 24        | 3.3                   | 2.2        | 1.5 | 20 |
|                     | 37.3                       | 113                | 8.0               | 6.2 | 4.0        | 30        | 4.8                   | 3.3        | 2.2 | 26 |
|                     | 49.8                       | 132                | 8.8               | 6.6 | 4.4        | 32        | 5.1                   | 4.0        | 2.6 | 28 |
|                     | 62.2                       | 146                | 9.1               | 6.9 | 4.8        | 35        | 5.5                   | 4.4        | 2.6 | 31 |
| 1500                | 12.4                       | 80                 | 2.2               | 1.5 | 1.1        | 17        | 1.5                   | 1.1        | 0.4 | 16 |
|                     | 24.9                       | 109                | 5.1               | 4.0 | 2.6        | 24        | 2.9                   | 2.2        | 1.5 | 23 |
|                     | 37.3                       | 132                | 6.9               | 5.1 | 3.3        | 30        | 4.4                   | 2.9        | 1.8 | 29 |
|                     | 49.8                       | 151                | 7.3               | 5.5 | 3.7        | 32        | 4.4                   | 3.3        | 2.2 | 31 |
|                     | 62.2                       | 170                | 8.0               | 6.2 | 4.0        | 35        | 4.8                   | 3.7        | 2.2 | 34 |

**Performance Notes:**

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- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PLD LINEAR (LOCATION – CEILING MOUNT)

## Modulated Flow Selection Table – Metric Units

### PLD 2-Slot 2-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |     |            | 25% Maximum Flow Rate |     |     |            |
|---------------------|----------------------------|--------------------|-------------------|-----|-----|------------|-----------------------|-----|-----|------------|
|                     |                            |                    | Throw (m)         |     |     | Sound (NC) | Throw (m)             |     |     | Sound (NC) |
| 600                 | 12.4                       | 33                 | 1.5               | 1.1 | 0.7 | –          | 1.1                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 42                 | 1.8               | 1.5 | 1.1 | 15         | 1.5                   | 1.1 | 0.4 | 15         |
|                     | 37.3                       | 57                 | 3.3               | 2.6 | 1.5 | 21         | 2.2                   | 1.5 | 1.1 | 20         |
|                     | 49.8                       | 68                 | 3.7               | 2.9 | 1.8 | 25         | 2.6                   | 1.8 | 1.1 | 24         |
|                     | 62.2                       | 78                 | 4.8               | 3.7 | 2.6 | 30         | 2.9                   | 2.2 | 1.5 | 29         |
| 900                 | 12.4                       | 38                 | 1.5               | 1.1 | 0.7 | 15         | 1.1                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 54                 | 2.6               | 1.8 | 1.1 | 16         | 1.5                   | 1.1 | 0.4 | 15         |
|                     | 37.3                       | 71                 | 3.3               | 2.6 | 1.8 | 23         | 2.2                   | 1.5 | 0.7 | 22         |
|                     | 49.8                       | 80                 | 4.0               | 3.3 | 2.6 | 28         | 2.6                   | 1.8 | 1.1 | 27         |
|                     | 62.2                       | 87                 | 4.8               | 3.7 | 2.9 | 32         | 2.9                   | 2.2 | 1.5 | 31         |
| 1200                | 12.4                       | 71                 | 2.6               | 1.8 | 1.1 | 15         | 1.5                   | 1.1 | 0.4 | 15         |
|                     | 24.9                       | 94                 | 4.0               | 3.3 | 2.6 | 20         | 2.2                   | 1.5 | 0.7 | 19         |
|                     | 37.3                       | 113                | 4.8               | 4.0 | 3.3 | 25         | 2.9                   | 2.2 | 1.5 | 25         |
|                     | 49.8                       | 132                | 6.2               | 5.1 | 3.7 | 29         | 3.7                   | 2.6 | 1.8 | 29         |
|                     | 62.2                       | 146                | 6.9               | 5.5 | 4.0 | 33         | 4.4                   | 3.3 | 2.2 | 32         |
| 1500                | 12.4                       | 80                 | 2.2               | 1.5 | 1.1 | 15         | 1.5                   | 1.1 | 0.4 | 15         |
|                     | 24.9                       | 113                | 2.9               | 2.2 | 1.5 | 20         | 1.8                   | 1.1 | 0.7 | 19         |
|                     | 37.3                       | 137                | 3.7               | 2.9 | 1.8 | 26         | 2.6                   | 1.5 | 1.1 | 25         |
|                     | 49.8                       | 156                | 5.1               | 4.0 | 2.6 | 31         | 3.3                   | 2.2 | 1.5 | 30         |
|                     | 62.2                       | 175                | 6.6               | 5.1 | 3.3 | 34         | 4.0                   | 2.9 | 1.8 | 33         |

**Performance Notes:**

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- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

### PLD 4-Slot 1-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |      |     |            | 25% Maximum Flow Rate |     |     |            |
|---------------------|----------------------------|--------------------|-------------------|------|-----|------------|-----------------------|-----|-----|------------|
|                     |                            |                    | Throw (m)         |      |     | Sound (NC) | Throw (m)             |     |     | Sound (NC) |
| 600                 | 12.4                       | 71                 | 2.2               | 1.8  | 1.1 | 15         | 1.5                   | 1.1 | 0.4 | 15         |
|                     | 24.9                       | 99                 | 4.8               | 3.7  | 2.6 | 26         | 2.9                   | 2.2 | 1.5 | 24         |
|                     | 37.3                       | 123                | 6.9               | 5.5  | 3.3 | 28         | 4.0                   | 2.9 | 1.8 | 26         |
|                     | 49.8                       | 142                | 7.3               | 5.9  | 3.7 | 33         | 4.4                   | 3.3 | 2.2 | 31         |
|                     | 62.2                       | 158                | 7.7               | 6.6  | 4.4 | 36         | 4.8                   | 3.7 | 2.6 | 34         |
| 900                 | 12.4                       | 85                 | 2.2               | 1.8  | 1.5 | 15         | 1.5                   | 1.1 | 0.4 | 15         |
|                     | 24.9                       | 118                | 5.1               | 4.4  | 2.9 | 26         | 2.9                   | 2.2 | 1.5 | 24         |
|                     | 37.3                       | 146                | 6.9               | 5.1  | 3.7 | 30         | 4.0                   | 2.9 | 1.8 | 28         |
|                     | 49.8                       | 170                | 7.7               | 6.6  | 4.4 | 34         | 4.8                   | 3.7 | 2.6 | 32         |
|                     | 62.2                       | 189                | 8.0               | 6.9  | 4.8 | 37         | 5.1                   | 4.4 | 2.6 | 35         |
| 1200                | 12.4                       | 149                | 5.9               | 4.8  | 3.3 | 15         | 3.3                   | 2.6 | 1.5 | 15         |
|                     | 24.9                       | 210                | 7.3               | 6.2  | 4.4 | 28         | 3.7                   | 2.9 | 1.8 | 26         |
|                     | 37.3                       | 257                | 9.5               | 8.4  | 5.9 | 34         | 4.8                   | 3.7 | 2.6 | 32         |
|                     | 49.8                       | 297                | 12.8              | 10.6 | 7.7 | 38         | 6.9                   | 5.5 | 3.3 | 36         |
|                     | 62.2                       | 330                | 13.5              | 11.7 | 8.8 | 42         | 7.7                   | 6.6 | 4.4 | 39         |
| 1500                | 12.4                       | 189                | 6.2               | 5.1  | 4.0 | 16         | 3.3                   | 2.6 | 1.5 | 15         |
|                     | 24.9                       | 269                | 9.1               | 8.0  | 5.5 | 28         | 4.4                   | 3.7 | 2.6 | 20         |
|                     | 37.3                       | 330                | 11.7              | 9.5  | 6.6 | 34         | 5.5                   | 4.8 | 3.3 | 31         |
|                     | 49.8                       | 380                | 13.2              | 11.0 | 8.0 | 38         | 7.7                   | 5.9 | 4.4 | 36         |
|                     | 62.2                       | 426                | 14.6              | 12.1 | 9.1 | 41         | 9.1                   | 6.9 | 5.1 | 38         |

**Performance Notes:**

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- Air Flow is in litres per second, l/s.
- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PLD LINEAR (LOCATION – CEILING MOUNT)

## Modulated Flow Selection Table – Metric Units

### PLD 4-Slot 2-Way Linear (Ceiling Mount)

| Nominal Length (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |     |            | 25% Maximum Flow Rate |     |     |            |
|---------------------|----------------------------|--------------------|-------------------|-----|-----|------------|-----------------------|-----|-----|------------|
|                     |                            |                    | Throw (m)         |     |     | Sound (NC) | Throw (m)             |     |     | Sound (NC) |
| 600                 | 12.4                       | 71                 | 1.5               | 1.1 | 0.7 | 15         | 1.1                   | 0.7 | 0.4 | 15         |
|                     | 24.9                       | 99                 | 2.6               | 1.8 | 1.1 | 23         | 1.5                   | 1.1 | 0.4 | 22         |
|                     | 37.3                       | 123                | 3.3               | 2.6 | 1.8 | 26         | 1.8                   | 1.5 | 0.7 | 25         |
|                     | 49.8                       | 142                | 4.0               | 3.3 | 2.6 | 30         | 2.6                   | 1.8 | 1.1 | 29         |
|                     | 62.2                       | 158                | 4.8               | 4.0 | 2.9 | 33         | 2.9                   | 2.2 | 1.5 | 32         |
| 900                 | 12.4                       | 87                 | 1.8               | 1.5 | 1.1 | 15         | 1.1                   | 0.7 | 0.4 | 15         |
|                     | 24.9                       | 123                | 2.9               | 2.2 | 1.5 | 23         | 1.8                   | 1.5 | 0.7 | 22         |
|                     | 37.3                       | 151                | 3.7               | 2.9 | 2.2 | 27         | 2.2                   | 1.8 | 1.1 | 26         |
|                     | 49.8                       | 175                | 4.4               | 3.7 | 2.9 | 31         | 2.9                   | 2.2 | 1.5 | 30         |
|                     | 62.2                       | 193                | 5.1               | 4.4 | 3.3 | 34         | 3.3                   | 2.6 | 1.5 | 33         |
| 1200                | 12.4                       | 130                | 2.9               | 2.6 | 1.8 | 15         | 1.8                   | 1.5 | 1.1 | 15         |
|                     | 24.9                       | 184                | 4.0               | 3.3 | 2.6 | 25         | 3.3                   | 2.6 | 1.5 | 24         |
|                     | 37.3                       | 227                | 5.1               | 4.4 | 3.3 | 32         | 4.4                   | 3.7 | 2.6 | 31         |
|                     | 49.8                       | 260                | 6.2               | 5.1 | 3.7 | 37         | 5.1                   | 4.4 | 2.9 | 36         |
|                     | 62.2                       | 293                | 7.3               | 6.2 | 4.4 | 39         | 5.9                   | 5.1 | 3.7 | 38         |
| 1500                | 12.4                       | 203                | 3.3               | 2.9 | 2.2 | 20         | 1.8                   | 1.5 | 1.1 | 15         |
|                     | 24.9                       | 286                | 4.4               | 3.7 | 2.9 | 30         | 3.3                   | 2.6 | 1.5 | 20         |
|                     | 37.3                       | 352                | 5.9               | 5.1 | 3.7 | 35         | 5.1                   | 4.0 | 2.6 | 29         |
|                     | 49.8                       | 406                | 6.9               | 5.9 | 4.4 | 39         | 5.5                   | 4.8 | 2.9 | 34         |
|                     | 62.2                       | 453                | 7.7               | 6.6 | 4.8 | 42         | 6.6                   | 5.5 | 3.7 | 36         |

**Performance Notes:**

1. All SI (metric) values are soft conversion from I-P
2. Tested in accordance with ASHRAE Standard 70-2006 (RA2011) "Method of Testing for Rating the Performance of Air Outlets and Inlets"
3. Air Flow is in litres per second, l/s.
4. All pressures are in inches of water.
5. Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
6. Throw data is based on supply air and room air at isothermal condition.
7. The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
8. Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PLD LINEAR (LOCATION – WALL MOUNT)

## Modulated Flow Selection Table – Metric Units

### PLD 1-Slot 1-Way Linear (Wall Mount)

| Nominal Length (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |     |            | 25% Maximum Flow Rate |     |     |            |
|---------------------|----------------------------|--------------------|-------------------|-----|-----|------------|-----------------------|-----|-----|------------|
|                     |                            |                    | Throw (m)         |     |     | Sound (NC) | Throw (m)             |     |     | Sound (NC) |
| 600                 | 12.4                       | 21                 | 1.5               | 1.1 | 0.7 | –          | 0.4                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 28                 | 1.8               | 1.5 | 1.5 | 15         | 0.4                   | 0.4 | 0.4 | –          |
|                     | 37.3                       | 33                 | 1.8               | 1.5 | 1.5 | 21         | 0.7                   | 0.4 | 0.4 | –          |
|                     | 49.8                       | 38                 | 2.2               | 1.8 | 1.5 | 24         | 1.1                   | 0.7 | 0.4 | 15         |
|                     | 62.2                       | 42                 | 2.6               | 2.2 | 1.8 | 27         | 1.5                   | 1.1 | 0.7 | 21         |
| 900                 | 12.4                       | 33                 | 1.5               | 1.1 | 0.7 | 15         | 0.4                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 42                 | 1.8               | 1.5 | 1.5 | 19         | 0.4                   | 0.4 | 0.4 | –          |
|                     | 37.3                       | 52                 | 1.8               | 1.5 | 1.5 | 22         | 0.7                   | 0.4 | 0.4 | –          |
|                     | 49.8                       | 59                 | 2.6               | 2.2 | 1.8 | 25         | 1.1                   | 0.7 | 0.4 | 15         |
|                     | 62.2                       | 66                 | 2.6               | 2.2 | 1.8 | 28         | 1.5                   | 1.1 | 0.7 | 21         |
| 1200                | 12.4                       | 42                 | 1.5               | 1.1 | 1.1 | 15         | 0.4                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 59                 | 1.8               | 1.5 | 1.1 | 21         | 0.7                   | 0.4 | 0.4 | –          |
|                     | 37.3                       | 71                 | 2.2               | 1.8 | 1.5 | 25         | 1.1                   | 0.7 | 0.7 | 15         |
|                     | 49.8                       | 83                 | 2.6               | 2.2 | 1.8 | 28         | 1.5                   | 1.1 | 0.7 | 21         |
|                     | 62.2                       | 90                 | 2.9               | 2.6 | 2.2 | 31         | 1.5                   | 1.1 | 0.7 | 24         |
| 1500                | 12.4                       | 47                 | 1.5               | 1.1 | 1.1 | 15         | 0.4                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 71                 | 1.8               | 1.5 | 1.5 | 22         | 0.4                   | 0.4 | 0.4 | 15         |
|                     | 37.3                       | 85                 | 2.6               | 2.2 | 1.8 | 26         | 0.7                   | 0.4 | 0.4 | 20         |
|                     | 49.8                       | 99                 | 2.6               | 2.2 | 1.8 | 29         | 0.7                   | 0.4 | 0.4 | 22         |
|                     | 62.2                       | 109                | 2.9               | 2.2 | 1.8 | 32         | 1.1                   | 0.7 | 0.7 | 25         |

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- All pressures are in inches of water.
- Throw values are given in metres to terminal velocities of 0.76-0.51-0.25 m/s.
- Throw data is based on supply air and room air at isothermal condition.
- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.

### PLD 2-Slot 1-Way Linear (Wall Mount)

| Nominal Length (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |     |            | 25% Maximum Flow Rate |     |     |            |
|---------------------|----------------------------|--------------------|-------------------|-----|-----|------------|-----------------------|-----|-----|------------|
|                     |                            |                    | Throw (m)         |     |     | Sound (NC) | Throw (m)             |     |     | Sound (NC) |
| 600                 | 12.4                       | 31                 | 1.5               | 1.1 | 1.1 | 15         | 0.4                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 42                 | 1.8               | 1.5 | 1.5 | 19         | 0.4                   | 0.4 | 0.4 | 15         |
|                     | 37.3                       | 52                 | 2.2               | 1.8 | 1.5 | 23         | 0.7                   | 0.4 | 0.4 | 19         |
|                     | 49.8                       | 61                 | 2.6               | 2.2 | 1.8 | 29         | 1.1                   | 0.7 | 0.4 | 22         |
|                     | 62.2                       | 68                 | 2.6               | 2.2 | 1.8 | 31         | 1.5                   | 1.1 | 0.7 | 25         |
| 900                 | 12.4                       | 40                 | 1.1               | 0.7 | 0.7 | 15         | 0.4                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 57                 | 1.5               | 1.1 | 1.1 | 22         | 0.4                   | 0.4 | 0.4 | 15         |
|                     | 37.3                       | 68                 | 1.8               | 1.5 | 1.5 | 24         | 0.7                   | 0.4 | 0.4 | 21         |
|                     | 49.8                       | 78                 | 2.2               | 1.8 | 1.5 | 29         | 0.7                   | 0.4 | 0.4 | 26         |
|                     | 62.2                       | 85                 | 2.6               | 2.2 | 1.8 | 31         | 1.1                   | 0.7 | 0.7 | 29         |
| 1200                | 12.4                       | 71                 | 2.6               | 2.2 | 1.8 | 15         | 0.7                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 94                 | 2.9               | 2.6 | 2.2 | 23         | 0.7                   | 0.4 | 0.4 | 15         |
|                     | 37.3                       | 113                | 3.3               | 2.9 | 2.6 | 27         | 1.1                   | 0.7 | 0.4 | 22         |
|                     | 49.8                       | 132                | 3.7               | 3.3 | 2.9 | 30         | 1.5                   | 1.1 | 0.7 | 23         |
|                     | 62.2                       | 146                | 3.7               | 3.3 | 2.9 | 32         | 2.2                   | 1.5 | 1.1 | 27         |
| 1500                | 12.4                       | 80                 | 1.8               | 1.5 | 1.1 | 15         | 0.7                   | 0.4 | 0.4 | –          |
|                     | 24.9                       | 109                | 2.6               | 2.2 | 1.8 | 23         | 0.7                   | 0.4 | 0.4 | 15         |
|                     | 37.3                       | 132                | 2.9               | 2.6 | 2.2 | 27         | 1.1                   | 0.7 | 0.4 | 24         |
|                     | 49.8                       | 151                | 3.3               | 2.9 | 2.2 | 30         | 1.1                   | 0.7 | 0.7 | 27         |
|                     | 62.2                       | 170                | 3.7               | 2.9 | 2.6 | 32         | 1.8                   | 1.1 | 0.7 | 31         |

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- Blanks "-" indicate an NC level below 15.

# PERFORMANCE DATA – PLD LINEAR (LOCATION – WALL MOUNT)

## Modulated Flow Selection Table – Metric Units

### PLD 4-Slot 1-Way Linear (Wall Mount)

| Nominal Length (mm) | Inlet Static Pressure (Pa) | Maximum Flow (l/s) | Maximum Flow Rate |     |     |            | 25% Maximum Flow Rate |     |     |            |
|---------------------|----------------------------|--------------------|-------------------|-----|-----|------------|-----------------------|-----|-----|------------|
|                     |                            |                    | Throw (m)         |     |     | Sound (NC) | Throw (m)             |     |     | Sound (NC) |
| 600                 | 12.4                       | 71                 | 1.5               | 1.1 | 1.1 | 15         | 0.4                   | 0.4 | 0.4 | 15         |
|                     | 24.9                       | 99                 | 2.6               | 2.2 | 1.8 | 19         | 0.7                   | 0.4 | 0.4 | 19         |
|                     | 37.3                       | 123                | 2.9               | 2.6 | 2.2 | 22         | 1.1                   | 0.7 | 0.4 | 22         |
|                     | 49.8                       | 142                | 2.9               | 2.6 | 2.2 | 27         | 1.5                   | 1.1 | 0.7 | 27         |
|                     | 62.2                       | 158                | 3.3               | 2.9 | 2.6 | 31         | 1.5                   | 1.1 | 0.7 | 31         |
| 900                 | 12.4                       | 85                 | 1.5               | 1.1 | 1.1 | 15         | 0.4                   | 0.4 | 0.4 | 15         |
|                     | 24.9                       | 118                | 2.2               | 1.8 | 1.5 | 25         | 0.7                   | 0.4 | 0.4 | 19         |
|                     | 37.3                       | 146                | 2.6               | 2.2 | 1.8 | 28         | 0.7                   | 0.4 | 0.4 | 23         |
|                     | 49.8                       | 170                | 2.9               | 2.6 | 2.2 | 32         | 1.1                   | 0.7 | 0.4 | 28         |
|                     | 62.2                       | 189                | 2.9               | 2.6 | 2.2 | 35         | 1.5                   | 1.1 | 0.7 | 31         |
| 1200                | 12.4                       | 149                | 3.3               | 2.6 | 2.2 | 15         | 0.7                   | 0.4 | 0.4 | 15         |
|                     | 24.9                       | 210                | 4.0               | 3.3 | 2.6 | 26         | 0.7                   | 0.4 | 0.4 | 22         |
|                     | 37.3                       | 257                | 4.0               | 3.3 | 2.6 | 32         | 1.1                   | 0.7 | 0.7 | 27         |
|                     | 49.8                       | 297                | 4.8               | 4.0 | 3.3 | 35         | 1.8                   | 1.5 | 1.1 | 32         |
|                     | 62.2                       | 330                | 5.1               | 4.4 | 3.7 | 39         | 2.2                   | 1.8 | 1.5 | 35         |
| 1500                | 12.4                       | 189                | 4.0               | 3.3 | 2.6 | 15         | 0.7                   | 0.4 | 0.4 | 15         |
|                     | 24.9                       | 269                | 4.8               | 4.0 | 3.3 | 27         | 0.7                   | 0.4 | 0.4 | 22         |
|                     | 37.3                       | 330                | 4.8               | 4.0 | 3.3 | 32         | 1.5                   | 1.1 | 0.7 | 27         |
|                     | 49.8                       | 378                | 5.5               | 4.4 | 3.7 | 36         | 2.2                   | 1.8 | 1.5 | 32         |
|                     | 62.2                       | 425                | 6.2               | 5.5 | 4.4 | 39         | 2.6                   | 2.2 | 1.8 | 34         |

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- The NC values, sound pressure level are based on a room absorption of 10 dB re 10<sup>-12</sup> Watts one diffuser.
- Blanks "-" indicate an NC level below 15.