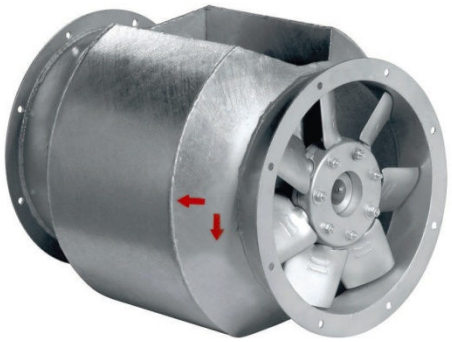
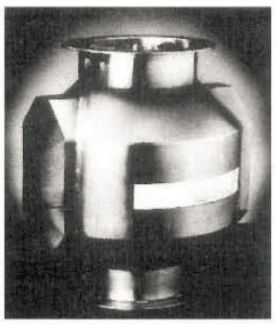
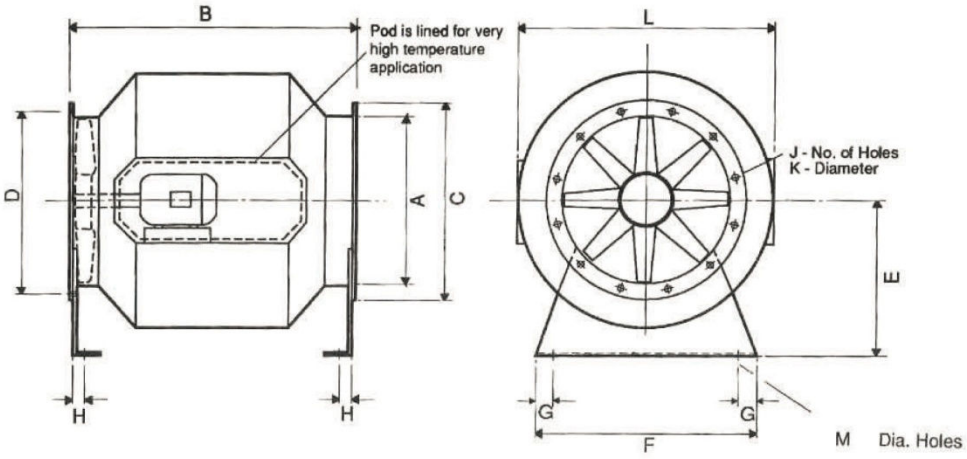
Ventilatoren Lti

# Bifurcated Fan Series



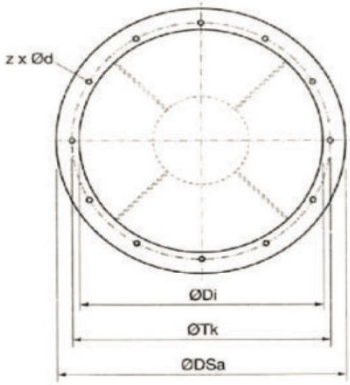
# DIMENSIONS

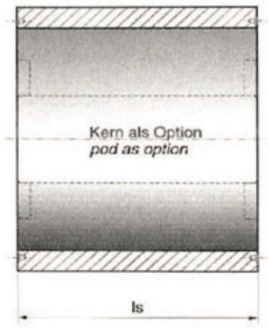




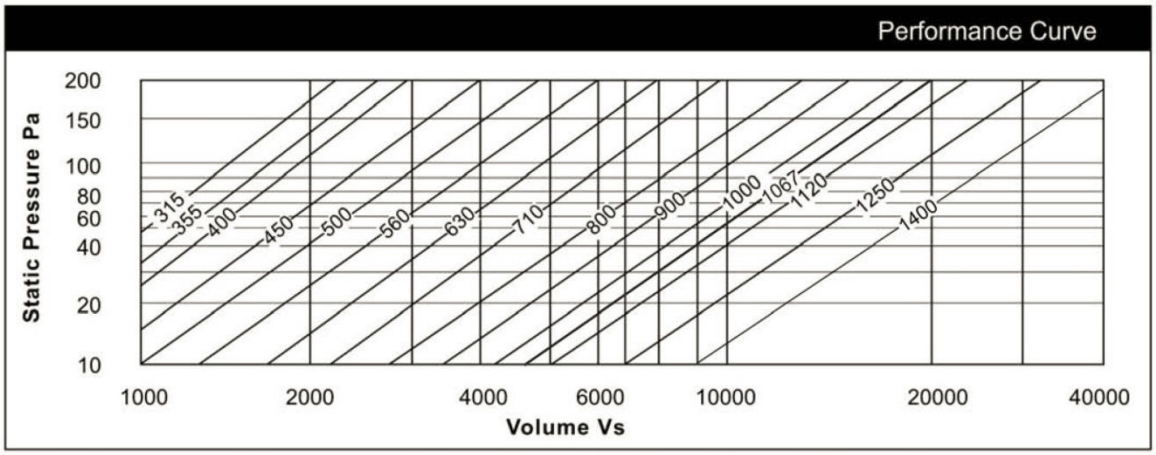

N.B. Mounting Feet are supplied as "EXTRAS"

| Size | A | B | C | D | E | F | G | H | J | K | L |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm | mm |
| **315** | 315 | 500 | 380 | 355 | 330 | 500 | 50 | 45 | 8 | 10 | 460 |
| **355** | 355 | 550 | 405 | 395 | 360 | 550 | 50 | 45 | 8 | 12 | 500 |
| **400** | 400 | 650 | 485 | 440 | 380 | 600 | 50 | 45 | 12 | 12 | 570 |
| **450** | 450 | 690 | 535 | 490 | 400 | 650 | 50 | 45 | 12 | 12 | 630 |
| **500** | 500 | 710 | 585 | 540 | 420 | 700 | 50 | 45 | 12 | 12 | 700 |
| **560** | 560 | 750 | 645 | 605 | 430 | 750 | 50 | 45 | 16 | 14 | 760 |
| **630** | 630 | 790 | 720 | 675 | 470 | 750 | 50 | 45 | 16 | 14 | 800 |
| **710** | 710 | 860 | 800 | 755 | 500 | 850 | 50 | 45 | 16 | 14 | 880 |
| **800** | 800 | 915 | 890 | 845 | 550 | 900 | 50 | 45 | 16 | 14 | 965 |
| **900** | 900 | 1000 | 1000 | 945 | 600 | 1000 | 50 | 50 | 16 | 14 | 1100 |
| **1000** | 1000 | 1100 | 1156 | 1050 | 650 | 1000 | 75 | 50 | 16 | 14 | 1200 |
| **1067** | 1067 | 1200 | 1172 | 1135 | 700 | 1100 | 75 | 50 | 16 | 14 | 1250 |
| **1250** | 1250 | 1450 | 1406 | 1315 | 750 | 1250 | 75 | 50 | 24 | 14 | 1500 |




| Size | Dsa | Di | Tk | ls | ls | z x Ød | Max Kg | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | mm | mm | mm | 1D | 2D | mm | LP - 1D | LP - 2D | HP - 1D | HP - 2D |
| **315** | 450 | 315 | 355 | 315 | 630 | 8 x 8 | 10 | 18 | 20 | 29 |
| **355** | 500 | 355 | 395 | 355 | 710 | 8 x 8 | 12 | 19 | 22 | 30 |
| **400** | 550 | 400 | 440 | 400 | 800 | 12 x 8 | 13 | 20 | 23 | 31 |
| **450** | 600 | 450 | 490 | 450 | 900 | 12 x 8 | 18 | 26 | 29 | 37 |
| **500** | 630 | 500 | 540 | 500 | 1000 | 12 x 8 | 23 | 32 | 35 | 43 |
| **560** | 710 | 560 | 605 | 560 | 1120 | 16 x 8 | 25 | 39 | 43 | 55 |
| **630** | 762 | 630 | 675 | 600 | 1200 | 16 x 8 | 32 | 43 | 52 | 64 |
| **710** | 860 | 710 | 755 | 710 | 1420 | 16 x 10 | 39 | 48 | 63 | 78 |
| **800** | 986 | 800 | 845 | 800 | 1500 | 16 x 10 | 50 | 61 | 79 | 99 |
| **900** | 1086 | 900 | 945 | 900 | 1500 | 16 x 10 | 74 | 87 | 130 | 157 |
| **1000** | 1186 | 1000 | 1050 | 1000 | 1500 | 16 x 10 | 91 | 107 | 161 | 193 |
| **1067** | 1253 | 1067 | 1135 | 1067 | 1500 | 16 x 10 | 101 | 131 | 185 | 252 |
| **1250** | 1436 | 1250 | 1315 | 1210 | 1500 | 24 x 10 | 126 | 163 | 231 | 315 |
| **1400** | 1586 | 1400 | 1470 | 1210 | 1500 | 24 x 10 | 150 | 194 | 285 | 385 |




*Note: Performance curves relate to pressure losses through HP silencers only. The LP models have negligible pressure loss.

| Model | Type | Insertion Loss at Hz | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 63 | 125 | 250 | 500 | 1K | 2K | 4K | 8K |
| LP 315/355/400/450/500/560 | 1D | 1 | 4 | 7 | 10 | 14 | 11 | 8 | 8 |
| HP 315/355/400/450/500/560 | 1D (Kern/Pod) | 4 | 6 | 9 | 13 | 19 | 19 | 16 | 14 |
| LP 315/355/400/450/500/560 | 2D | 4 | 8 | 12 | 17 | 23 | 17 | 13 | 12 |
| HP 315/355/400/450/500/560 | 2D (Kern/Pod) | 7 | 11 | 15 | 24 | 28 | 28 | 26 | 22 |
| LP 630/710/800/900 | 1D | 3 | 5 | 9 | 14 | 14 | 9 | 8 | 7 |
| HP 630/710/800/900 | 1D (Kern/Pod) | 4 | 6 | 10 | 17 | 23 | 21 | 19 | 11 |
| LP 630/710/800/900 | 2D | 6 | 8 | 14 | 23 | 24 | 14 | 13 | 10 |
| HP 630/710/800/900 | 2D (Kern/Pod) | 7 | 11 | 16 | 29 | 34 | 32 | 30 | 19 |
| LP 1000/1067/1250 | 1D | 3 | 5 | 10 | 14 | 13 | 8 | 7 | 7 |
| HP 1000/1067/1250 | 1D (Kern/Pod) | 4 | 6 | 12 | 20 | 19 | 15 | 14 | 12 |
| LP 1000/1067/1250 | 2D | 6 | 9 | 14 | 21 | 20 | 13 | 11 | 10 |
| HP 1000/1067/1250 | 2D (Kern/Pod) | 7 | 12 | 19 | 29 | 28 | 26 | 22 | 17 |
| HP 1400/1067/1250 | 1D (Kern/Pod) | 4 | 7 | 14 | 24 | 20 | 13 | 8 | 6 |

*Note: For sizes 1400 and above, please contact nearest Lti representative for selection