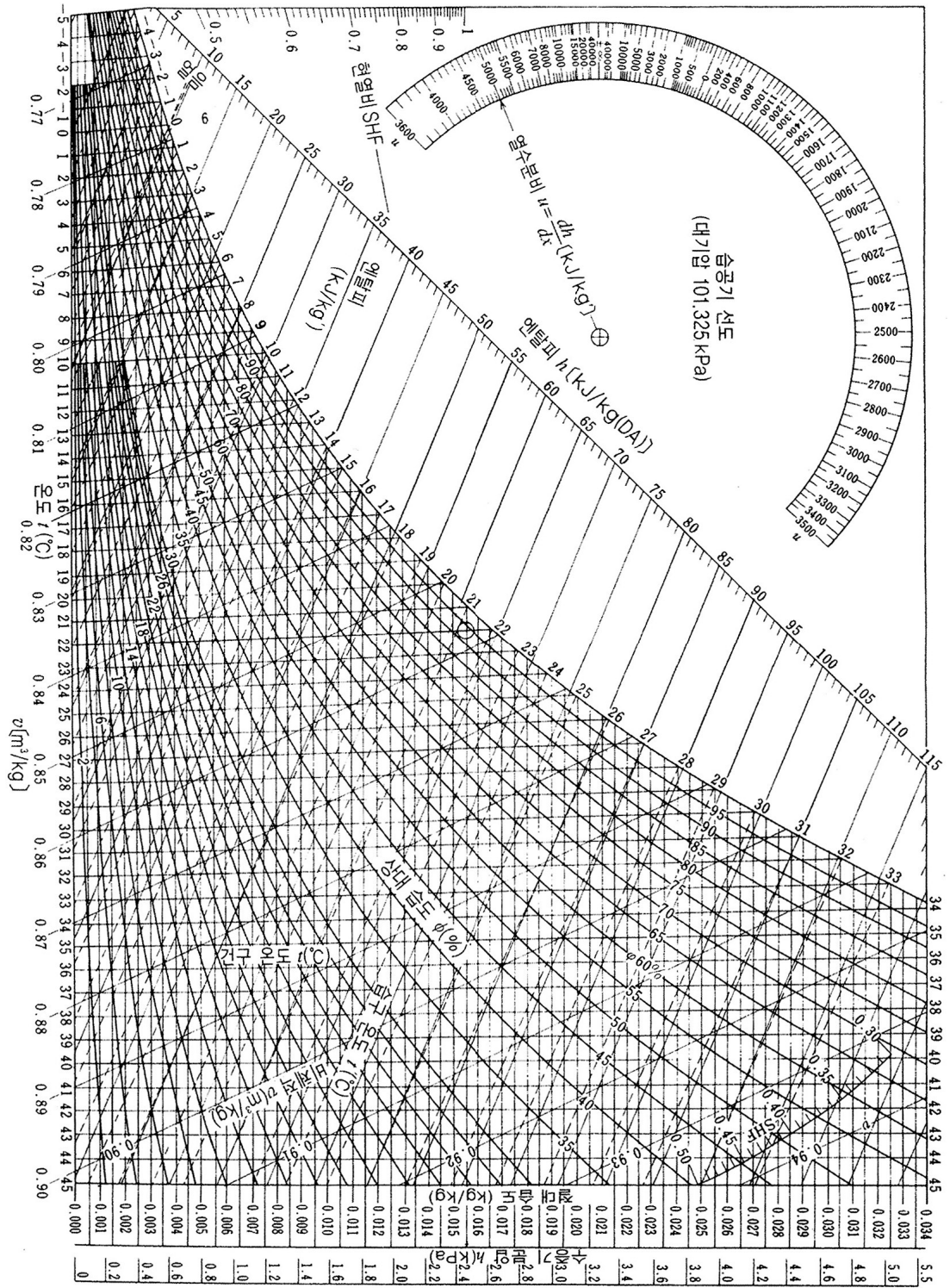


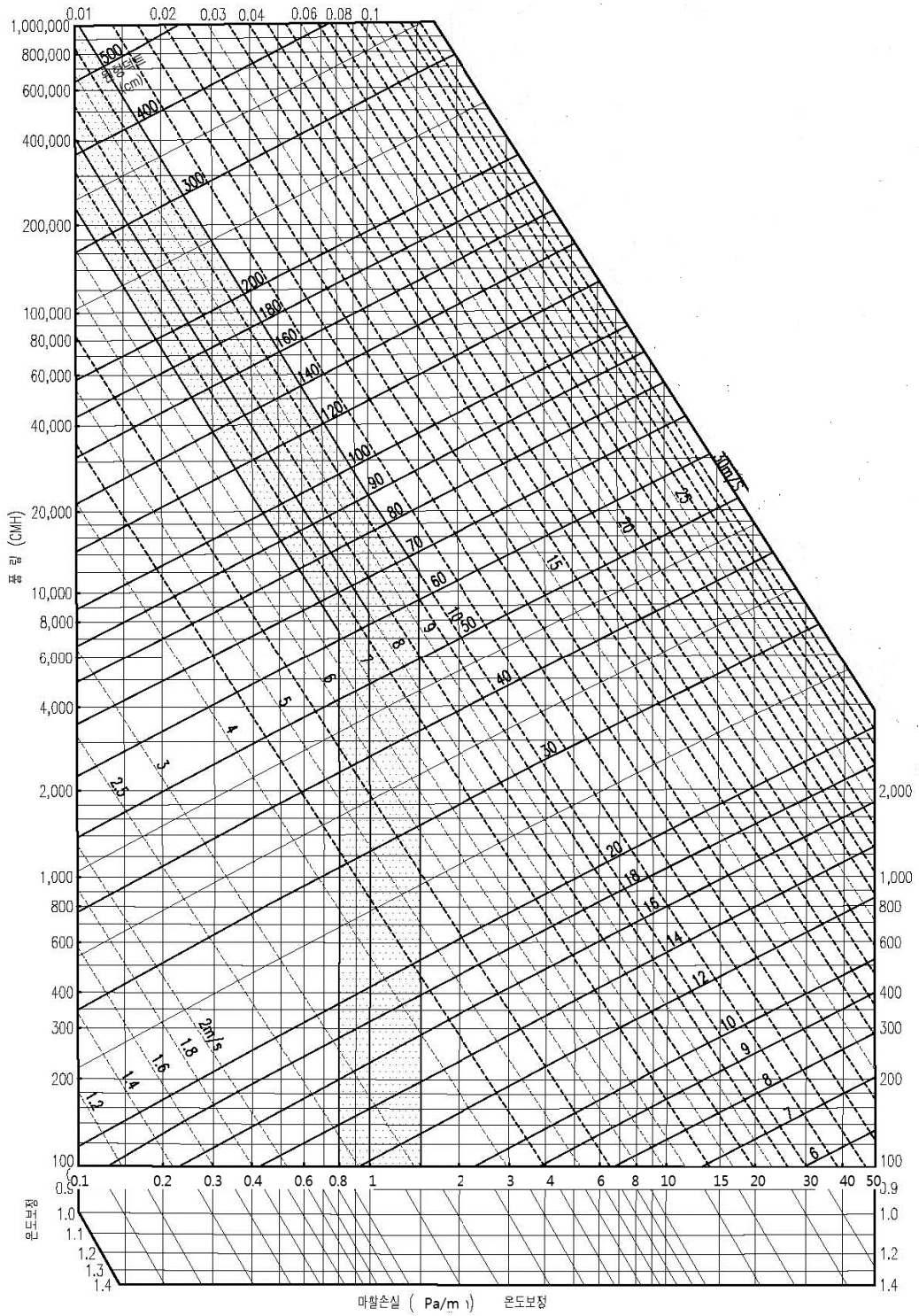
8
편

각종 선도 및
환산표

[부록-1] 습공기선도(SI 단위)



[부록-3] 덕트선도(Pa 단위)



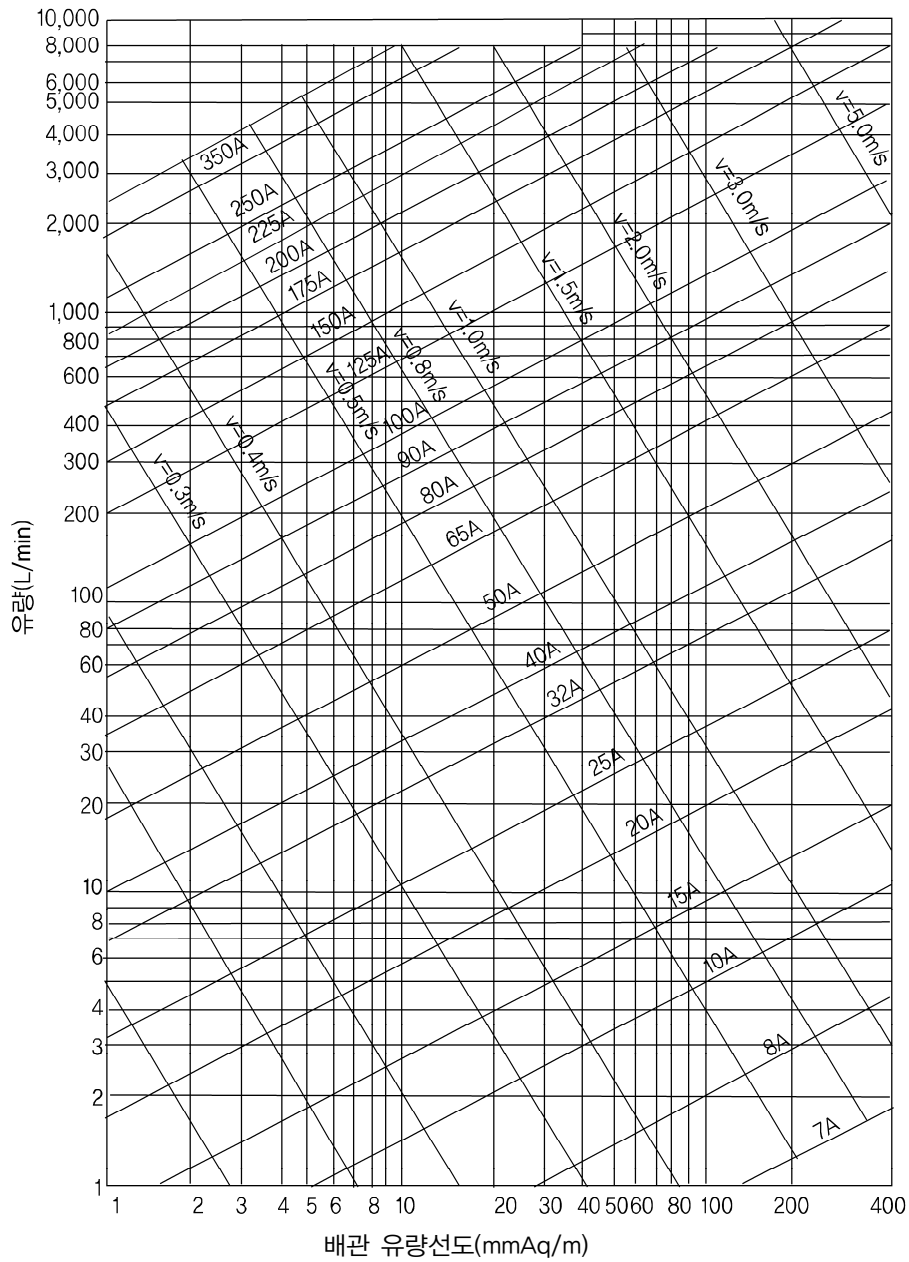
[부록-4] 각형 덕트 환산표(5cm 규격)

| 단면 장변 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 |
|----------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| 5 | 5.5 | | | | | | | | | | | | |
| 10 | 7.6 | 10.9 | | | | | | | | | | | |
| 15 | 9.1 | 13.3 | 16.4 | | | | | | | | | | |
| 20 | 10.3 | 15.2 | 18.9 | 21.9 | | | | | | | | | |
| 25 | 11.4 | 16.9 | 21.0 | 24.4 | 27.3 | | | | | | | | |
| 30 | 12.2 | 18.3 | 22.9 | 26.6 | 29.9 | 32.8 | | | | | | | |
| 35 | 13.0 | 19.5 | 24.5 | 28.6 | 32.2 | 35.4 | 38.3 | | | | | | |
| 40 | 13.8 | 20.7 | 26.0 | 30.5 | 34.3 | 37.8 | 40.9 | 43.7 | | | | | |
| 45 | 14.4 | 21.7 | 27.4 | 32.1 | 36.6 | 40.0 | 43.3 | 46.4 | 49.2 | | | | |
| 50 | 15.0 | 22.7 | 28.7 | 33.7 | 38.1 | 42.0 | 45.6 | 48.8 | 51.8 | 54.7 | | | |
| 55 | 15.6 | 23.6 | 29.9 | 35.1 | 39.8 | 43.9 | 47.7 | 51.1 | 54.3 | 57.3 | 60.1 | | |
| 60 | 16.2 | 24.5 | 31.0 | 36.5 | 41.4 | 45.7 | 49.6 | 53.3 | 56.7 | 59.8 | 62.8 | 65.6 | |
| 65 | 16.7 | 25.3 | 32.1 | 37.8 | 42.9 | 47.4 | 51.5 | 55.3 | 58.9 | 63.2 | 65.3 | 68.3 | 71.1 |
| 70 | 17.2 | 26.1 | 33.1 | 39.1 | 44.3 | 49.0 | 53.3 | 57.3 | 61.0 | 64.4 | 67.7 | 70.8 | 73.7 |
| 75 | 17.7 | 26.8 | 34.1 | 40.2 | 45.7 | 50.6 | 55.0 | 59.2 | 63.0 | 66.6 | 69.7 | 73.2 | 76.3 |
| 80 | 18.1 | 27.5 | 35.0 | 41.4 | 47.0 | 52.0 | 56.7 | 60.9 | 64.9 | 68.7 | 72.2 | 75.5 | 78.7 |
| 85 | 18.5 | 28.2 | 35.9 | 42.4 | 48.2 | 53.4 | 58.2 | 62.6 | 66.8 | 70.6 | 74.3 | 77.8 | 81.1 |
| 90 | 19.0 | 28.9 | 36.7 | 43.5 | 49.4 | 54.8 | 59.7 | 64.2 | 68.6 | 72.6 | 76.3 | 79.9 | 83.3 |
| 95 | 19.4 | 29.5 | 37.5 | 44.5 | 50.6 | 56.1 | 61.1 | 65.9 | 70.3 | 74.4 | 78.3 | 82.0 | 85.5 |
| 100 | 19.7 | 30.1 | 38.4 | 45.4 | 51.7 | 57.4 | 62.6 | 67.4 | 71.9 | 76.2 | 80.2 | 84.0 | 87.6 |
| 105 | 20.1 | 30.7 | 39.1 | 46.4 | 52.8 | 58.6 | 64.0 | 68.9 | 73.5 | 77.8 | 82.0 | 85.9 | 89.7 |
| 110 | 20.5 | 31.3 | 39.9 | 47.3 | 53.8 | 59.8 | 63.2 | 70.3 | 75.1 | 79.6 | 83.8 | 87.8 | 91.6 |
| 115 | 20.8 | 31.8 | 40.6 | 48.1 | 54.8 | 60.9 | 66.5 | 71.7 | 76.6 | 81.2 | 85.5 | 89.6 | 93.6 |
| 120 | 21.2 | 32.4 | 41.3 | 49.0 | 55.8 | 62.0 | 67.7 | 73.1 | 78.0 | 82.7 | 87.2 | 91.4 | 95.4 |
| 125 | 21.5 | 32.9 | 42.0 | 49.9 | 56.8 | 63.1 | 68.9 | 74.4 | 79.5 | 84.3 | 88.8 | 93.1 | 97.3 |
| 130 | 21.9 | 33.4 | 42.6 | 50.6 | 57.7 | 64.2 | 70.1 | 75.7 | 80.8 | 85.7 | 90.4 | 94.8 | 99.0 |
| 135 | 22.2 | 33.9 | 43.3 | 51.4 | 58.6 | 65.2 | 71.3 | 76.9 | 82.2 | 87.2 | 91.9 | 96.4 | 100.7 |
| 140 | 22.5 | 34.4 | 43.9 | 52.2 | 59.5 | 66.2 | 72.4 | 78.1 | 83.5 | 88.6 | 93.4 | 98.0 | 102.4 |
| 145 | 22.8 | 34.9 | 44.5 | 52.9 | 60.4 | 67.2 | 73.5 | 79.3 | 84.8 | 90.0 | 94.9 | 99.6 | 104.1 |
| 150 | 23.1 | 35.3 | 45.2 | 53.6 | 61.2 | 68.1 | 74.5 | 80.5 | 86.1 | 91.3 | 96.3 | 101.1 | 105.7 |
| 160 | 23.7 | 36.2 | 46.3 | 55.1 | 62.9 | 70.0 | 76.6 | 82.7 | 88.5 | 93.9 | 99.1 | 104.1 | 108.8 |
| 170 | 24.2 | 37.1 | 47.5 | 56.4 | 64.4 | 71.8 | 78.5 | 84.9 | 90.8 | 96.4 | 101.8 | 106.9 | 111.8 |
| 180 | 24.7 | 37.9 | 48.5 | 57.7 | 66.0 | 73.5 | 80.4 | 86.9 | 93.0 | 98.6 | 104.3 | 109.6 | 114.6 |
| 190 | 25.3 | 38.7 | 49.6 | 59.0 | 67.4 | 75.1 | 82.2 | 88.9 | 95.2 | 101.2 | 106.8 | 112.2 | 117.4 |
| 200 | 25.8 | 39.5 | 50.6 | 60.2 | 68.8 | 76.7 | 84.0 | 90.8 | 97.3 | 103.4 | 109.2 | 114.7 | 120.0 |
| 210 | 26.3 | 40.3 | 51.6 | 61.4 | 70.2 | 78.3 | 85.7 | 92.7 | 99.3 | 105.6 | 111.5 | 117.2 | 122.6 |
| 220 | 26.7 | 41.0 | 52.5 | 62.5 | 71.5 | 79.7 | 87.4 | 94.5 | 101.3 | 107.6 | 113.7 | 119.5 | 125.1 |
| 230 | 27.2 | 41.7 | 53.4 | 63.6 | 72.8 | 81.2 | 89.0 | 96.3 | 103.1 | 109.7 | 115.9 | 121.8 | 127.8 |
| 240 | 27.6 | 42.4 | 54.3 | 64.7 | 74.0 | 82.6 | 90.5 | 98.0 | 105.0 | 111.6 | 118.0 | 124.1 | 129.9 |
| 250 | 28.1 | 43.0 | 55.2 | 65.8 | 75.3 | 84.0 | 92.0 | 99.6 | 106.8 | 113.6 | 120.0 | 126.2 | 132.2 |
| 260 | 28.5 | 43.7 | 56.0 | 66.8 | 76.4 | 85.3 | 93.5 | 101.2 | 108.5 | 115.4 | 122.0 | 128.3 | 134.4 |
| 270 | 28.9 | 44.3 | 56.9 | 67.8 | 77.6 | 86.6 | 95.0 | 102.8 | 110.2 | 117.3 | 124.0 | 130.4 | 136.6 |
| 280 | 29.3 | 45.0 | 57.7 | 68.8 | 78.7 | 87.9 | 96.4 | 104.3 | 111.9 | 119.0 | 125.9 | 132.4 | 138.7 |
| 290 | 29.7 | 45.6 | 58.6 | 69.7 | 79.8 | 89.1 | 97.7 | 105.8 | 113.5 | 120.8 | 127.8 | 134.4 | 140.8 |
| 300 | 30.1 | 46.2 | 59.2 | 70.6 | 80.9 | 90.3 | 99.0 | 107.3 | 115.1 | 122.5 | 129.5 | 136.3 | 142.8 |

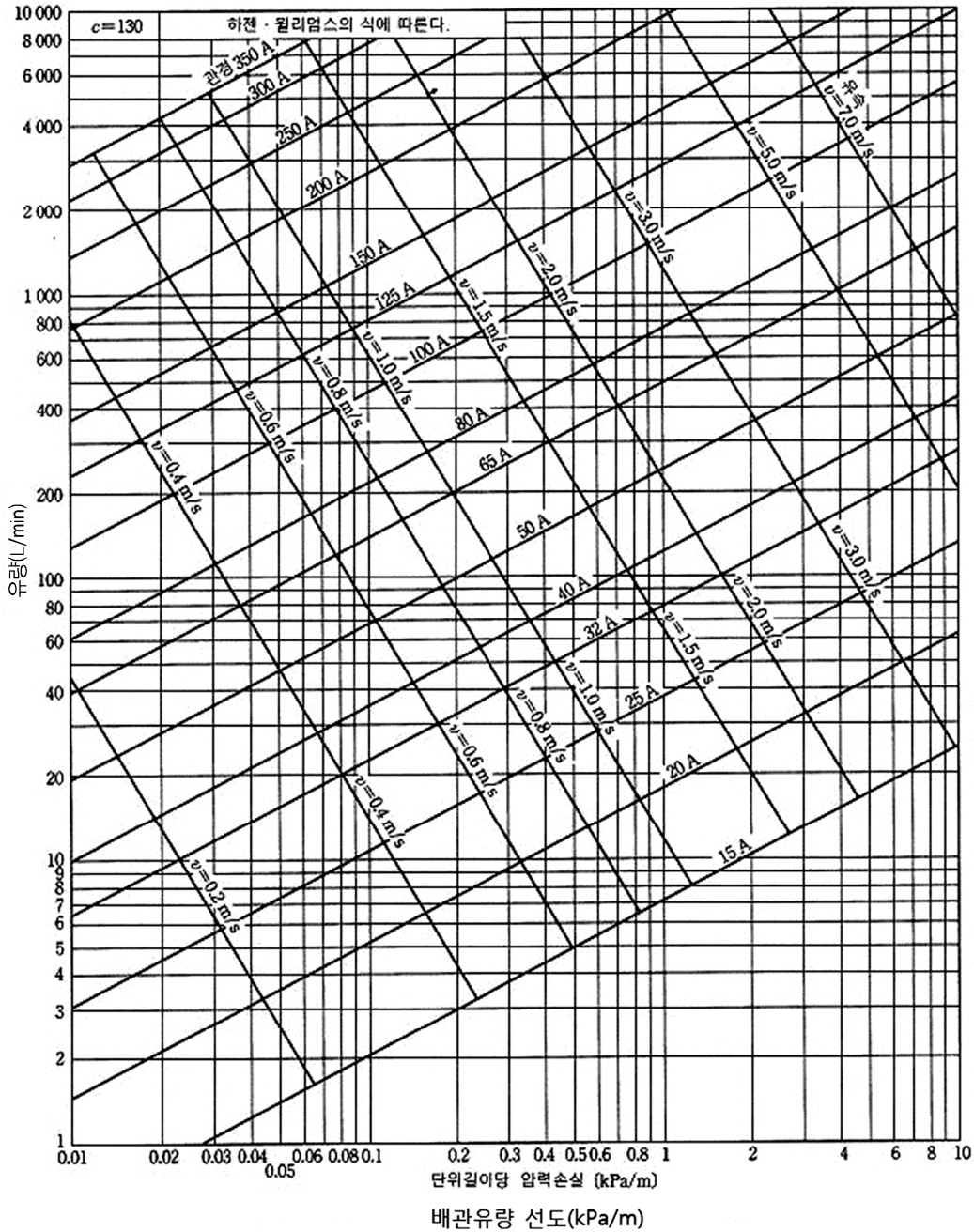
[부록-5] 각형 덕트 환산표(단위 2.5cm)

| | 10 | 12.5 | 15 | 17.5 | 20 | 22.5 | 25 | 27.5 | 30 | 32.5 | 35 | 37.5 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|
| 10 | 10.9 | | | | | | | | | | | | | | | | | | | | | | |
| 12.5 | 12.2 | 13.7 | | | | | | | | | | | | | | | | | | | | | |
| 15 | 13.3 | 15.0 | 16.4 | | | | | | | | | | | | | | | | | | | | |
| 17.5 | 14.3 | 16.1 | 17.7 | 19.2 | | | | | | | | | | | | | | | | | | | |
| 20 | 15.2 | 17.2 | 18.9 | 20.5 | 21.9 | | | | | | | | | | | | | | | | | | |
| 22.5 | 16.1 | 18.2 | 20.0 | 21.7 | 23.2 | 24.6 | | | | | | | | | | | | | | | | | |
| 25 | 16.9 | 19.1 | 21.0 | 22.8 | 24.4 | 25.9 | 27.3 | | | | | | | | | | | | | | | | |
| 27.5 | 17.6 | 19.9 | 22.0 | 23.9 | 25.6 | 27.2 | 28.7 | 30.1 | | | | | | | | | | | | | | | |
| 30 | 18.3 | 20.7 | 22.9 | 24.8 | 26.6 | 28.4 | 29.9 | 31.4 | 32.8 | | | | | | | | | | | | | | |
| 32.5 | 18.9 | 21.5 | 23.7 | 25.8 | 27.7 | 29.5 | 31.1 | 32.7 | 34.2 | 35.6 | | | | | | | | | | | | | |
| 35 | 19.5 | 22.2 | 24.5 | 26.7 | 28.6 | 30.5 | 32.2 | 33.9 | 35.4 | 36.9 | 38.3 | | | | | | | | | | | | |
| 37.5 | 20.1 | 22.9 | 25.3 | 27.5 | 29.6 | 31.5 | 33.3 | 34.9 | 36.6 | 38.2 | 39.6 | 41.0 | | | | | | | | | | | |
| 40 | 20.7 | 23.5 | 26.0 | 28.4 | 30.5 | 32.5 | 34.3 | 36.1 | 37.8 | 39.4 | 40.9 | 43.4 | 43.7 | | | | | | | | | | |
| 45 | 21.7 | 24.7 | 27.4 | 29.9 | 32.1 | 34.3 | 36.3 | 38.2 | 40.0 | 41.7 | 43.3 | 44.9 | 46.4 | 49.2 | | | | | | | | | |
| 50 | 22.7 | 25.9 | 28.7 | 31.3 | 33.7 | 36.0 | 38.1 | 40.1 | 42.0 | 43.8 | 45.6 | 47.2 | 48.8 | 51.8 | 54.7 | | | | | | | | |
| 55 | 23.6 | 26.9 | 29.9 | 32.6 | 35.1 | 37.6 | 39.8 | 41.9 | 43.9 | 45.8 | 47.7 | 49.4 | 51.1 | 54.3 | 57.3 | 60.1 | | | | | | | |
| 60 | 24.5 | 27.9 | 31.0 | 33.9 | 36.5 | 39.0 | 41.4 | 43.6 | 45.7 | 47.7 | 49.6 | 51.6 | 53.3 | 56.7 | 59.8 | 62.8 | 65.6 | | | | | | |
| 65 | 25.3 | 28.9 | 32.1 | 35.1 | 37.8 | 40.4 | 42.9 | 45.2 | 47.4 | 49.5 | 51.5 | 53.5 | 55.3 | 58.9 | 62.2 | 65.3 | 68.3 | 71.1 | | | | | |
| 70 | 26.1 | 29.8 | 33.1 | 36.2 | 39.1 | 41.8 | 44.3 | 46.7 | 49.0 | 51.2 | 53.3 | 55.4 | 57.3 | 61.9 | 64.4 | 67.7 | 70.8 | 73.7 | 76.6 | | | | |
| 75 | 26.9 | 30.6 | 34.1 | 37.3 | 40.2 | 43.1 | 45.7 | 48.2 | 50.6 | 52.9 | 55.0 | 57.2 | 59.2 | 63.0 | 66.6 | 69.7 | 73.2 | 76.3 | 79.2 | 82.0 | | | |
| 80 | 27.6 | 31.5 | 35.0 | 38.5 | 41.4 | 44.3 | 47.0 | 49.6 | 52.0 | 54.4 | 56.7 | 58.0 | 60.8 | 64.9 | 68.7 | 72.2 | 75.5 | 78.7 | 81.8 | 84.7 | 87.5 | | |
| 85 | 28.2 | 32.2 | 35.9 | 39.3 | 42.4 | 45.4 | 48.2 | 50.9 | 53.4 | 55.9 | 58.2 | 60.6 | 62.6 | 66.8 | 70.6 | 74.3 | 77.8 | 81.1 | 84.2 | 87.2 | 90.1 | 92.9 | |
| 90 | 28.9 | 33.0 | 36.7 | 40.2 | 43.5 | 46.5 | 49.4 | 52.2 | 54.8 | 57.3 | 59.7 | 62.1 | 64.2 | 68.6 | 72.8 | 76.3 | 79.9 | 83.3 | 86.6 | 89.7 | 92.7 | 95.6 | |

[부록-6] 배관마찰손실선도(mmAq/m)



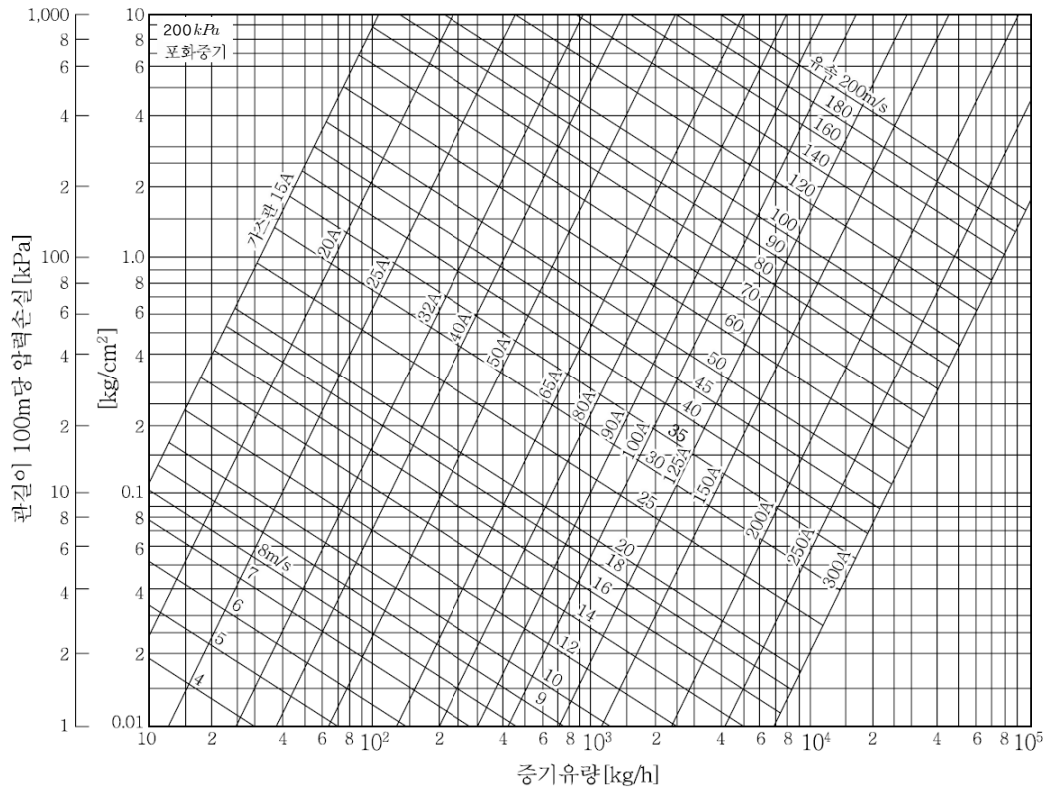
[부록-7] 배관마찰손실선도(kPa 단위)



[부록-8] 배관용 탄소강 강관 균등표

| 호칭경 [A] | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 | 200 | 250 | 300 | 350 |
|---------|-------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|
| 15 | 1 | | | | | | | | | | | | | | |
| 20 | 2.2 | 1 | | | | | | | | | | | | | |
| 25 | 4.1 | 1.9 | 1 | | | | | | | | | | | | |
| 32 | 8.1 | 3.7 | 2.0 | 1 | | | | | | | | | | | |
| 40 | 12.1 | 5.6 | 2.9 | 1.5 | 1 | | | | | | | | | | |
| 50 | 22.8 | 10.6 | 5.5 | 2.8 | 1.9 | 1 | | | | | | | | | |
| 65 | 44.0 | 20.3 | 10.7 | 5.4 | 3.6 | 1.9 | 1 | | | | | | | | |
| 80 | 69.4 | 32.0 | 16.8 | 8.5 | 5.7 | 3.0 | 1.6 | 1 | | | | | | | |
| 100 | 140.0 | 64.5 | 33.8 | 17.2 | 11.5 | 6.1 | 3.2 | 2.0 | 1 | | | | | | |
| 125 | 247 | 114 | 60.0 | 30.4 | 20.4 | 10.8 | 5.6 | 3.6 | 1.8 | 1 | | | | | |
| 150 | 387 | 179 | 93.9 | 47.7 | 31.9 | 17.0 | 8.8 | 5.6 | 2.8 | 1.6 | 1 | | | | |
| 200 | 802 | 370 | 194 | 98.8 | 66.1 | 35.1 | 18.2 | 11.6 | 5.7 | 3.2 | 2.1 | 1 | | | |
| 250 | 1418 | 655 | 344 | 175 | 117 | 62.1 | 32.2 | 20.4 | 10.2 | 5.7 | 3.7 | 1.8 | 1 | | |
| 300 | 2284 | 1054 | 553 | 281 | 188 | 100 | 51.9 | 32.9 | 16.4 | 9.2 | 5.9 | 2.8 | 1.6 | 1 | |
| 350 | 3042 | 1404 | 737 | 375 | 251 | 133 | 69.1 | 43.9 | 21.8 | 12.3 | 7.9 | 3.8 | 3.1 | 1.3 | 1 |

[부록-9] 증기유량 선도표



[부록-10] 온수 관경표

| 관경(A) | 15 | 20 | 25 | 32 | 40 | 50 | 65 | 80 | 100 | 125 | 150 |
|------------------|------------|-----|------|------|------|------|-------|------------|-------|--------|--------|
| 압력강하 R mmAq/m | 유량 kg/h | | | | | | | 유량 kg/h | | | |
| 3.0 | 110 | 243 | 480 | 975 | 1470 | 2820 | 5500 | 8850 | 18150 | 33000 | 50500 |
| 5.0 | 145 | 325 | 635 | 1290 | 1950 | 3750 | 7400 | 11750 | 24100 | 43600 | 66500 |
| 7.0 | 175 | 390 | 770 | 1560 | 2350 | 4500 | 8900 | 14150 | 29000 | 52500 | 79000 |
| 10 | 213 | 476 | 940 | 1900 | 2870 | 5470 | 10760 | 17500 | 35000 | 63500 | 96500 |
| 16 | 277 | 616 | 1220 | 2480 | 3720 | 7050 | 14000 | 22000 | 45000 | 81600 | 125000 |
| 20 | 314 | 697 | 1375 | 2800 | 4200 | 7975 | 15750 | 24900 | 50900 | 92200 | 141500 |
| 26 | 362 | 805 | 1590 | 3220 | 4850 | 9200 | 18200 | 28800 | 58600 | 106500 | 163000 |
| 30 | 392 | 872 | 1725 | 3480 | 5250 | 9220 | 19650 | 31050 | 63100 | 115000 | 176000 |

[부록-11] 저압 증기관의 관경표(단위 : 상당 방열면적 EDRm²)

| 압력강하 관경(A) | 순구배 수평관 및 하향급기 수직관(복관식 및 단관식) | | | | | | 역구배 수평관 및 상향급기 수직관 | | | |
|---------------|-------------------------------|-------|-------|-------|--------|--------|--------------------|------------------|------------------|------------------|
| | R=압력강하(kPa/100m) | | | | | | 복관식 | | 단관식 | |
| | 0.5 | 1 | 2 | 5 | 10 | 20 | 수직관 | 수평관 | 수직관 | 수평관 |
| 관경(A) | A | B | C | D | E | F | G ⁽¹⁾ | H ⁽²⁾ | I ⁽²⁾ | J ⁽³⁾ |
| 20 | 2.1 | 3.1 | 4.5 | 7.4 | 10.6 | 15.3 | 4.5 | - | 3.1 | - |
| 25 | 3.9 | 5.7 | 8.4 | 14 | 20 | 29 | 8.4 | 3.7 | 5.7 | 3.0 |
| 32 | 7.7 | 11.5 | 17 | 28 | 41 | 59 | 17.0 | 8.2 | 11.5 | 6.8 |
| 40 | 12 | 17.5 | 26 | 42 | 61 | 88 | 26 | 12 | 17.5 | 10.4 |
| 50 | 22 | 33 | 48 | 80 | 115 | 166 | 48 | 21 | 33 | 18 |
| 65 | 44 | 64 | 94 | 155 | 225 | 325 | 90 | 51 | 63 | 34 |
| 80 | 70 | 102 | 150 | 247 | 350 | 510 | 130 | 85 | 96 | 55 |
| 90 | 104 | 150 | 218 | 360 | 520 | 740 | 180 | 134 | 135 | 85 |
| 100 | 145 | 210 | 300 | 500 | 720 | 1,040 | 235 | 192 | 175 | 130 |
| 125 | 260 | 370 | 540 | 860 | 1,250 | 1,800 | 440 | 360 | | 240 |
| 150 | 410 | 600 | 860 | 1,400 | 2,000 | 2,900 | 770 | 610 | | |
| 200 | 850 | 1,240 | 1,800 | 2,900 | 4,100 | 5,900 | 1,700 | 1,340 | | |
| 250 | 1,530 | 2,200 | 3,200 | 5,100 | 7,300 | 10,400 | 3,000 | 2,500 | | |
| 300 | 2,450 | 3,500 | 5,000 | 8,100 | 11,500 | 17,000 | 4,800 | 4,000 | | |

[부록-12] 저압 증기의 환수관 관경표(단위 : 상당 방열면적 EDRm²)

| 압력 강하 관경(A) | 수평관(K) (R=kPa/100m) | | | | | | | | | 수직관 | | | | |
|-------------------|---------------------|------|-------------|-------|-------------|-------|-------------|-------|--------|--------|-------|--------|--------|-----------|
| | R=0.5 | | 1 | | 2 | | 5 | | 10 | 진공식(L) | | | | 건식 (M) |
| | 습식 | 건식 | 습식 및 진공식 | 건식 | 습식 및 진공식 | 건식 | 습식 및 진공식 | 건식 | 진공식 | R=1 | 2 | 5 | 10 | |
| 20 | 22.3 | - | 31.6 | - | 44.5 | - | 69.6 | - | 99.4 | 58.3 | 77 | 121 | 76 | 17.6 |
| 25 | 39 | 19.5 | 58.3 | 26.9 | 77 | 34.4 | 121 | 42.7 | 176 | 93 | 130 | 209 | 297 | 41.8 |
| 32 | 67 | 42 | 93 | 54.3 | 130 | 70.5 | 209 | 88 | 297 | 149 | 209 | 334 | 464 | 92 |
| 40 | 106 | 65 | 149 | 89 | 209 | 114 | 334 | 139 | 464 | 316 | 436 | 696 | 975 | 139 |
| 50 | 223 | 149 | 316 | 195 | 436 | 246 | 696 | 293 | 975 | 520 | 734 | 1,170 | 1,640 | 278 |
| 65 | 372 | 242 | 520 | 334 | 734 | 408 | 1,170 | 492 | 1,640 | 826 | 1,190 | 1,860 | 2,650 | |
| 80 | 585 | 446 | 826 | 94 | 1,190 | 724 | 1,860 | 910 | 2,650 | 1,225 | 1,760 | 2,780 | 3,900 | |
| 90 | 863 | 640 | 1,225 | 835 | 1,760 | 1,020 | 2,780 | 1,300 | 3,900 | 1,710 | 2,410 | 3,810 | 5,380 | |
| 100 | 1,210 | 955 | 1,710 | 1,250 | 2,410 | 1,580 | 3,810 | 1,950 | 5,380 | 2,970 | 4,270 | 6,600 | 9,300 | |
| 125 | 2,140 | - | 2,970 | - | 4,270 | - | 6,600 | - | 9,300 | 4,830 | 6,780 | 10,850 | 15,200 | |
| 150 | 3,100 | - | 4,830 | - | 6,780 | - | 10,850 | - | 15,200 | | | | | |

[부록-13] 배수 횡지관 및 입관의 구경

| 관경 | I | | II | | III | | IV | |
|-----|------------------------|------------------|-----------------------------|------------------|-----------------|------------------|----------------------|------------------|
| | 담당할 수 있는 허용최대기구 배수부하단위 | | | | | | | |
| | 배수수평지관 | | 3층 건물 또는 지관 간격 3의 1개 수직관 | | 1 수직관에 대한 합계 | | 1층분 또는 1지관 간격의 합계 | |
| | 실용 | 미국규격 | 실용 | 미국규격 | 실용 | 미국규격 | 실용 | 미국규격 |
| 30 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 |
| 40 | 3 | 3 | 4 | 4 | 4 | 8 | 2 | 2 |
| 50 | 6 | 6 | 9 | 10 | 24 | 24 | 6 | 6 |
| 65 | 10 | 12 | 18 | 20 | 38 | 42 | 9 | 9 |
| 75 | 14 | 20 ^{*2} | 27 | 30 ^{*3} | 54 | 60 ^{*3} | 14 | 16 ^{*2} |
| 100 | 96 | 160 | 192 | 240 | 400 | 500 | 72 | 90 |
| 125 | 216 | 360 | 432 | 540 | 880 | 1100 | 160 | 200 |
| 150 | 372 | 620 | 768 | 960 | 1520 | 1900 | 280 | 350 |
| 200 | 840 | 1400 | 1760 | 2200 | 2880 | 3600 | 480 | 600 |
| 250 | 1500 | 2500 | 2660 | 3800 | 3920 | 5600 | 700 | 1000 |
| 300 | 2340 | 3900 | 4200 | 6000 | 5880 | 8400 | 1050 | 1500 |
| 375 | 3500 | 7000 | - | - | - | - | - | - |

[부록-14] 통기관의 구경과 그 배관 길이

| 오수 또는 배수관의 근사관경[mm] | 기구배수 부하단위수 | 통기수직관의 관경[mm] | | | | | | | | |
|---------------------------|---------------|---------------|----|----|------|-----|-----|-----|-----|-----|
| | | 30 | 40 | 50 | 65 | 75 | 100 | 125 | 150 | 200 |
| | | 통기관의 허용최대 거리 | | | | | | | | |
| 32 | 2 | 9 | | | | | | | | |
| 40 | 8 | 15 | 45 | | | | | | | |
| 40 | 10 | 9 | 30 | | | | | | | |
| 50 | 12 | 9 | 23 | 60 | | | | | | |
| 50 | 20 | 8 | 15 | 45 | | | | | | |
| 65 | 42 | | 9 | 30 | 90 | | | | | |
| 75 | 10 | | 9 | 30 | 60 | 180 | | | | |
| 75 | 30 | | | 18 | 60 | 150 | | | | |
| 75 | 60 | | | 15 | 24 | 120 | | | | |
| 100 | 100 | | | 10 | 30 | 78 | 300 | | | |
| 100 | 200 | | | 9 | 27 | 75 | 270 | | | |
| 100 | 500 | | | 6 | 21 | 54 | 210 | | | |
| 125 | 200 | | | | 10.5 | 24 | 105 | 300 | | |
| 125 | 500 | | | | 9 | 21 | 90 | 270 | | |
| 125 | 1100 | | | | 6 | 15 | 60 | 210 | 390 | |
| 150 | 350 | | | | 7.5 | 15 | 60 | 120 | 330 | |
| 150 | 620 | | | | 4.5 | 9 | 38 | 90 | 300 | |
| 150 | 960 | | | | | 7.3 | 30 | 75 | 210 | |
| 150 | 1900 | | | | | 6 | 21 | 60 | 150 | 390 |
| 200 | 600 | | | | | | 15 | 45 | 120 | 360 |
| 200 | 1400 | | | | | | 12 | 30 | 105 | 330 |
| 200 | 2200 | | | | | | 9 | 24 | 76 | 240 |
| 200 | 3600 | | | | | | 7.5 | 18 | 38 | 200 |
| 250 | 1000 | | | | | | | 23 | 30 | 150 |
| 250 | 2500 | | | | | | | 15 | 24 | 100 |
| 250 | 3800 | | | | | | | 9 | 18 | 75 |
| 250 | 5600 | | | | | | | 7.5 | | |