

# ANNEXES

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## TABLE DE DIMENSIONNEMENT DES GRILLES

Emission de base comprise entre 50 et 118 W  
 $\rho_{hb}$  de référence = 1 W/(m.K) -  $\Delta T_o$  de référence = 10 °C

| Débit<br>l/h | ÉMISSION CALORIFIQUE DE BASE (W) |     |     |     |     |     |     |     |     |     |     |      |      |      |      |      |
|--------------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|------|------|
|              | 50                               | 53  | 56  | 59  | 62  | 66  | 70  | 74  | 78  | 83  | 88  | 93   | 99   | 105  | 111  | 118  |
| 50           | 5.2                              | 5.6 | 5.9 | 6.2 | 6.6 | 7.0 | 7.5 | 7.9 | 8.4 | 9.0 | 9.5 | 10.1 | 10.9 | 11.6 | 12.3 | 13.2 |
| 51           | 5.2                              | 5.6 | 5.9 | 6.2 | 6.5 | 7.0 | 7.4 | 7.9 | 8.4 | 8.9 | 9.5 | 10.1 | 10.8 | 11.6 | 12.3 | 13.2 |
| 53           | 5.2                              | 5.5 | 5.9 | 6.2 | 6.5 | 7.0 | 7.4 | 7.9 | 8.3 | 8.9 | 9.5 | 10.1 | 10.8 | 11.5 | 12.2 | 13.1 |
| 55           | 5.2                              | 5.5 | 5.9 | 6.2 | 6.5 | 7.0 | 7.4 | 7.9 | 8.3 | 8.9 | 9.5 | 10.0 | 10.8 | 11.5 | 12.2 | 13.0 |
| 57           | 5.2                              | 5.5 | 5.9 | 6.2 | 6.5 | 7.0 | 7.4 | 7.8 | 8.3 | 8.9 | 9.4 | 10.0 | 10.7 | 11.4 | 12.1 | 13.0 |
| 59           | 5.2                              | 5.5 | 5.8 | 6.2 | 6.5 | 6.9 | 7.4 | 7.8 | 8.3 | 8.8 | 9.4 | 10.0 | 10.7 | 11.4 | 12.1 | 12.9 |
| 62           | 5.2                              | 5.5 | 5.8 | 6.2 | 6.5 | 6.9 | 7.4 | 7.8 | 8.2 | 8.8 | 9.4 | 10.0 | 10.6 | 11.3 | 12.1 | 12.9 |
| 65           | 5.2                              | 5.5 | 5.8 | 6.1 | 6.5 | 6.9 | 7.3 | 7.8 | 8.2 | 8.8 | 9.4 | 9.9  | 10.6 | 11.3 | 12.0 | 12.8 |
| 68           | 5.2                              | 5.5 | 5.8 | 6.1 | 6.5 | 6.9 | 7.3 | 7.8 | 8.2 | 8.8 | 9.3 | 9.9  | 10.6 | 11.3 | 12.0 | 12.8 |
| 72           | 5.2                              | 5.5 | 5.8 | 6.1 | 6.4 | 6.9 | 7.3 | 7.7 | 8.2 | 8.7 | 9.3 | 9.9  | 10.5 | 11.2 | 11.9 | 12.7 |
| 77           | 5.1                              | 5.5 | 5.8 | 6.1 | 6.4 | 6.9 | 7.3 | 7.7 | 8.1 | 8.7 | 9.3 | 9.8  | 10.5 | 11.2 | 11.9 | 12.7 |
| 83           | 5.1                              | 5.5 | 5.8 | 6.1 | 6.4 | 6.8 | 7.3 | 7.7 | 8.1 | 8.7 | 9.2 | 9.8  | 10.4 | 11.1 | 11.8 | 12.6 |
| 90           | 5.1                              | 5.4 | 5.8 | 6.1 | 6.4 | 6.8 | 7.2 | 7.7 | 8.1 | 8.6 | 9.2 | 9.7  | 10.4 | 11.1 | 11.7 | 12.5 |
| 98           | 5.1                              | 5.4 | 5.7 | 6.1 | 6.4 | 6.8 | 7.2 | 7.7 | 8.1 | 8.6 | 9.2 | 9.7  | 10.4 | 11.0 | 11.7 | 12.5 |
| 108          | 5.1                              | 5.4 | 5.7 | 6.0 | 6.4 | 6.8 | 7.2 | 7.6 | 8.1 | 8.6 | 9.1 | 9.7  | 10.3 | 11.0 | 11.6 | 12.4 |
| 121          | 5.1                              | 5.4 | 5.7 | 6.0 | 6.3 | 6.8 | 7.2 | 7.6 | 8.0 | 8.6 | 9.1 | 9.6  | 10.3 | 10.9 | 11.6 | 12.3 |
| 138          | 5.1                              | 5.4 | 5.7 | 6.0 | 6.3 | 6.7 | 7.2 | 7.6 | 8.0 | 8.5 | 9.1 | 9.6  | 10.2 | 10.9 | 11.5 | 12.3 |
| 161          | 5.1                              | 5.4 | 5.7 | 6.0 | 6.3 | 6.7 | 7.1 | 7.6 | 8.0 | 8.5 | 9.0 | 9.5  | 10.2 | 10.8 | 11.4 | 12.2 |
| 194          | 5.1                              | 5.4 | 5.7 | 6.0 | 6.3 | 6.7 | 7.1 | 7.5 | 7.9 | 8.5 | 9.0 | 9.5  | 10.1 | 10.8 | 11.4 | 12.1 |
| 246          | 5.0                              | 5.3 | 5.7 | 6.0 | 6.3 | 6.7 | 7.1 | 7.5 | 7.9 | 8.4 | 8.9 | 9.5  | 10.1 | 10.7 | 11.3 | 12.1 |
| 339          | 5.0                              | 5.3 | 5.6 | 5.9 | 6.2 | 6.7 | 7.1 | 7.5 | 7.9 | 8.4 | 8.9 | 9.4  | 10.0 | 10.6 | 11.3 | 12.0 |
| 350          | 5.0                              | 5.3 | 5.6 | 5.9 | 6.2 | 6.7 | 7.1 | 7.5 | 7.9 | 8.4 | 8.9 | 9.4  | 10.0 | 10.6 | 11.3 | 12.0 |

Longueurs de base de grille (m)

$$\text{Emission de base} = \text{émission réelle} \times \frac{10}{\Delta T_o}$$

$$\text{Emission réelle} = \frac{\text{émission de base} \times \Delta T_o}{10}$$

$$\text{Longueur de base} = \text{longueur réelle} \times \rho_{hb}$$

$$\text{Longueur réelle} = \frac{\text{longueur de base}}{\rho_{hb}}$$

## TABLE DE DIMENSIONNEMENT DES GRILLES

Emission de base comprise entre 118 et 265 W  
 $\rho_{hb}$  de référence = 1 W/(m.K) -  $\Delta T_o$  de référence = 10 °C

| Débit<br>l/h | ÉMISSION CALORIFIQUE DE BASE (W) |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|              | 118                              | 125  | 133  | 141  | 150  | 159  | 167  | 176  | 185  | 195  | 205  | 216  | 227  | 239  | 252  | 265  |
| 50           | 13.2                             | 14.1 | 15.1 | 16.1 | 17.3 | 18.6 | 19.7 | 21.0 | 22.3 | 23.8 | 25.3 | 27.0 | 28.8 | 30.8 | 33.0 | 35.4 |
| 51           | 13.2                             | 14.0 | 15.1 | 16.1 | 17.3 | 18.5 | 19.6 | 20.9 | 22.2 | 23.6 | 25.2 | 26.9 | 28.6 | 30.6 | 32.8 | 35.1 |
| 53           | 13.1                             | 14.0 | 15.0 | 16.0 | 17.2 | 18.4 | 19.5 | 20.7 | 22.0 | 23.4 | 24.9 | 26.6 | 28.3 | 30.2 | 32.4 | 34.6 |
| 55           | 13.0                             | 13.9 | 14.9 | 15.9 | 17.1 | 18.3 | 19.4 | 20.6 | 21.8 | 23.3 | 24.7 | 26.4 | 28.0 | 29.9 | 32.0 | 34.2 |
| 57           | 13.0                             | 13.9 | 14.8 | 15.9 | 17.0 | 18.2 | 19.2 | 20.5 | 21.7 | 23.1 | 24.5 | 26.1 | 27.8 | 29.6 | 31.7 | 33.8 |
| 59           | 12.9                             | 13.8 | 14.8 | 15.8 | 16.9 | 18.1 | 19.1 | 20.3 | 21.6 | 22.9 | 24.4 | 25.9 | 27.6 | 29.4 | 31.4 | 33.5 |
| 62           | 12.9                             | 13.7 | 14.7 | 15.7 | 16.8 | 18.0 | 19.0 | 20.2 | 21.4 | 22.7 | 24.1 | 25.7 | 27.3 | 29.0 | 31.0 | 33.0 |
| 65           | 12.8                             | 13.7 | 14.6 | 15.6 | 16.7 | 17.9 | 18.9 | 20.0 | 21.2 | 22.6 | 23.9 | 25.4 | 27.0 | 28.7 | 30.7 | 32.6 |
| 68           | 12.8                             | 13.6 | 14.6 | 15.5 | 16.6 | 17.8 | 18.8 | 19.9 | 21.1 | 22.4 | 23.7 | 25.2 | 26.8 | 28.5 | 30.3 | 32.3 |
| 72           | 12.7                             | 13.5 | 14.5 | 15.4 | 16.5 | 17.6 | 18.6 | 19.8 | 20.9 | 22.2 | 23.5 | 25.0 | 26.5 | 28.1 | 30.0 | 31.9 |
| 77           | 12.7                             | 13.5 | 14.4 | 15.3 | 16.4 | 17.5 | 18.5 | 19.6 | 20.7 | 22.0 | 23.3 | 24.7 | 26.2 | 27.8 | 29.6 | 31.4 |
| 83           | 12.6                             | 13.4 | 14.3 | 15.2 | 16.3 | 17.4 | 18.3 | 19.4 | 20.5 | 21.8 | 23.0 | 24.5 | 25.9 | 27.5 | 29.2 | 31.0 |
| 90           | 12.5                             | 13.3 | 14.2 | 15.1 | 16.2 | 17.2 | 18.2 | 19.3 | 20.4 | 21.6 | 22.8 | 24.2 | 25.6 | 27.1 | 28.8 | 30.6 |
| 98           | 12.5                             | 13.2 | 14.1 | 15.1 | 16.1 | 17.1 | 18.1 | 19.1 | 20.2 | 21.4 | 22.6 | 23.9 | 25.3 | 26.8 | 28.5 | 30.2 |
| 108          | 12.4                             | 13.2 | 14.1 | 15.0 | 16.0 | 17.0 | 17.9 | 19.0 | 20.0 | 21.2 | 22.4 | 23.7 | 25.0 | 26.5 | 28.1 | 29.8 |
| 121          | 12.3                             | 13.1 | 14.0 | 14.9 | 15.9 | 16.9 | 17.8 | 18.8 | 19.8 | 21.0 | 22.2 | 23.4 | 24.8 | 26.2 | 27.8 | 29.4 |
| 138          | 12.3                             | 13.0 | 13.9 | 14.8 | 15.7 | 16.7 | 17.6 | 18.6 | 19.7 | 20.8 | 21.9 | 23.2 | 24.5 | 25.9 | 27.4 | 29.0 |
| 161          | 12.2                             | 12.9 | 13.8 | 14.7 | 15.6 | 16.6 | 17.5 | 18.5 | 19.5 | 20.6 | 21.7 | 23.0 | 24.2 | 25.6 | 27.1 | 28.6 |
| 194          | 12.1                             | 12.9 | 13.7 | 14.6 | 15.5 | 16.5 | 17.4 | 18.3 | 19.3 | 20.4 | 21.5 | 22.7 | 23.9 | 25.3 | 26.7 | 28.2 |
| 246          | 12.1                             | 12.8 | 13.6 | 14.5 | 15.4 | 16.4 | 17.2 | 18.2 | 19.1 | 20.2 | 21.3 | 22.5 | 23.7 | 25.0 | 26.4 | 27.8 |
| 339          | 12.0                             | 12.7 | 13.5 | 14.4 | 15.3 | 16.2 | 17.1 | 18.0 | 18.9 | 20.0 | 21.1 | 22.2 | 23.4 | 24.7 | 26.0 | 27.4 |
| 350          | 12.0                             | 12.7 | 13.5 | 14.3 | 15.3 | 16.2 | 17.1 | 18.0 | 18.9 | 20.0 | 21.0 | 22.2 | 23.4 | 24.6 | 26.0 | 27.4 |

Longueurs de base de grille (m)

$$\text{Emission de base} = \text{émission réelle} \times \frac{10}{\Delta T_o}$$

$$\text{Emission réelle} = \frac{\text{émission de base} \times \Delta T_o}{10}$$

$$\text{Longueur de base} = \text{longueur réelle} \times \rho_{hb}$$

$$\text{Longueur réelle} = \frac{\text{longueur de base}}{\rho_{hb}}$$

## TABLE DE DIMENSIONNEMENT DES GRILLES

Emission de base comprise entre 265 et 498 W  
 $\text{phb}$  de référence = 1 W/(m.K) -  $\Delta T_{\text{To}}$  de référence = 10 °C

| Débit<br>l/h                    | ÉMISSION CALORIFIQUE DE BASE (W) |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |
|---------------------------------|----------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
|                                 | 265                              | 277  | 290  | 303  | 317  | 332  | 347  | 363  | 380  | 398  | 417  | 432  | 448  | 464  | 481   | 498   |
| 50                              | 35.4                             | 37.6 | 40.2 | 42.8 | 45.8 | 49.2 | 52.8 | 56.9 | 61.6 | 67.1 | 73.4 | 79.0 | 85.6 | 93.0 | 102.1 | 112.9 |
| 51                              | 35.1                             | 37.3 | 39.8 | 42.4 | 45.3 | 48.7 | 52.2 | 56.2 | 60.7 | 65.9 | 72.0 | 77.3 | 83.5 | 90.4 | 98.8  | 108.6 |
| 53                              | 34.6                             | 36.8 | 39.2 | 41.7 | 44.5 | 47.7 | 51.0 | 54.8 | 59.1 | 64.0 | 69.6 | 74.4 | 80.0 | 86.1 | 93.4  | 101.7 |
| 55                              | 34.2                             | 36.3 | 38.6 | 41.1 | 43.8 | 46.8 | 50.0 | 53.6 | 57.7 | 62.3 | 67.5 | 72.0 | 77.1 | 82.7 | 89.2  | 96.4  |
| 57                              | 33.8                             | 35.9 | 38.1 | 40.5 | 43.1 | 46.1 | 49.1 | 52.6 | 56.4 | 60.8 | 65.7 | 69.9 | 74.7 | 79.8 | 85.7  | 92.2  |
| 59                              | 33.5                             | 35.5 | 37.7 | 40.0 | 42.5 | 45.4 | 48.3 | 51.7 | 55.4 | 59.5 | 64.2 | 68.1 | 72.6 | 77.4 | 82.8  | 88.8  |
| 62                              | 33.0                             | 35.0 | 37.1 | 39.3 | 41.8 | 44.5 | 47.3 | 50.5 | 54.0 | 57.9 | 62.3 | 65.9 | 70.0 | 74.4 | 79.3  | 84.6  |
| 65                              | 32.6                             | 34.5 | 36.6 | 38.7 | 41.1 | 43.7 | 46.4 | 49.5 | 52.8 | 56.5 | 60.6 | 64.1 | 67.9 | 71.9 | 76.5  | 81.3  |
| 68                              | 32.3                             | 34.1 | 36.1 | 38.2 | 40.5 | 43.1 | 45.7 | 48.6 | 51.8 | 55.3 | 59.3 | 62.5 | 66.1 | 69.9 | 74.1  | 78.6  |
| 72                              | 31.9                             | 33.6 | 35.6 | 37.6 | 39.8 | 42.3 | 44.8 | 47.6 | 50.6 | 54.0 | 57.7 | 60.7 | 64.1 | 67.6 | 71.5  | 75.6  |
| 77                              | 31.4                             | 33.1 | 35.0 | 37.0 | 39.1 | 41.5 | 43.9 | 46.5 | 49.5 | 52.6 | 56.1 | 59.0 | 62.1 | 65.4 | 69.0  | 72.7  |
| 83                              | 31.0                             | 32.6 | 34.5 | 36.4 | 38.4 | 40.7 | 43.0 | 45.5 | 48.3 | 51.3 | 54.6 | 57.3 | 60.2 | 63.3 | 66.6  | 70.0  |
| 90                              | 30.6                             | 32.2 | 34.0 | 35.8 | 37.8 | 39.9 | 42.2 | 44.6 | 47.2 | 50.1 | 53.2 | 55.7 | 58.5 | 61.3 | 64.4  | 67.6  |
| 98                              | 30.2                             | 31.7 | 33.5 | 35.2 | 37.1 | 39.2 | 41.4 | 43.7 | 46.2 | 49.0 | 51.9 | 54.3 | 56.9 | 59.6 | 62.5  | 65.5  |
| 108                             | 29.8                             | 31.3 | 33.0 | 34.7 | 36.5 | 38.6 | 40.6 | 42.8 | 45.3 | 47.9 | 50.7 | 52.9 | 55.4 | 57.9 | 60.6  | 63.4  |
| 121                             | 29.4                             | 30.8 | 32.5 | 34.1 | 35.9 | 37.9 | 39.8 | 42.0 | 44.3 | 46.8 | 49.5 | 51.6 | 53.9 | 56.3 | 58.9  | 61.5  |
| 138                             | 29.0                             | 30.4 | 32.0 | 33.6 | 35.3 | 37.2 | 39.1 | 41.2 | 43.4 | 45.7 | 48.3 | 50.3 | 52.5 | 54.8 | 57.2  | 59.6  |
| 161                             | 28.6                             | 30.0 | 31.5 | 33.1 | 34.7 | 36.5 | 38.4 | 40.4 | 42.5 | 44.7 | 47.2 | 49.1 | 51.2 | 53.3 | 55.6  | 57.9  |
| 194                             | 28.2                             | 29.6 | 31.0 | 32.5 | 34.2 | 35.9 | 37.7 | 39.6 | 41.6 | 43.8 | 46.1 | 48.0 | 49.9 | 51.9 | 54.1  | 56.3  |
| 246                             | 27.8                             | 29.1 | 30.6 | 32.0 | 33.6 | 35.3 | 37.0 | 38.8 | 40.8 | 42.9 | 45.1 | 46.8 | 48.7 | 50.6 | 52.7  | 54.7  |
| 339                             | 27.4                             | 28.7 | 30.1 | 31.5 | 33.0 | 34.7 | 36.3 | 38.1 | 40.0 | 42.0 | 44.1 | 45.8 | 47.6 | 49.4 | 51.3  | 53.2  |
| 350                             | 27.4                             | 28.7 | 30.1 | 31.5 | 33.0 | 34.6 | 36.3 | 38.0 | 39.9 | 41.9 | 44.0 | 45.7 | 47.5 | 49.3 | 51.2  | 53.1  |
| Longueurs de base de grille (m) |                                  |      |      |      |      |      |      |      |      |      |      |      |      |      |       |       |

$$\text{Emission de base} = \text{émission réelle} \times \frac{10}{\Delta T_{\text{To}}}$$

$$\text{Longueur de base} = \text{longueur réelle} \times \text{phb}$$

$$\text{Emission réelle} = \frac{\text{émission de base} \times \Delta T_{\text{To}}}{10}$$

$$\text{Longueur réelle} = \frac{\text{longueur de base}}{\text{phb}}$$

## TABLE DE DIMENSIONNEMENT DES GRILLES

Emission de base comprise entre 498 et 750 W  
 $\rho_{hb}$  de référence = 1 W/(m.K) -  $\Delta T_o$  de référence = 10 °C

| Débit<br>l/h                    | ÉMISSION CALORIFIQUE DE BASE (W) |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---------------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                 | 498                              | 516   | 535   | 554   | 574   | 591   | 608   | 626   | 644   | 663   | 682   | 702   | 723   | 744   | 750   |
| 50                              | 112.9                            |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 51                              | 108.6                            |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 53                              | 101.7                            | 111.9 |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 55                              | 96.4                             | 105.1 | 115.8 |       |       |       |       |       |       |       |       |       |       |       |       |
| 57                              | 92.2                             | 99.9  | 109.1 | 119.7 |       |       |       |       |       |       |       |       |       |       |       |
| 59                              | 88.8                             | 95.7  | 103.8 | 113.0 | 124.3 |       |       |       |       |       |       |       |       |       |       |
| 62                              | 84.6                             | 90.7  | 97.7  | 105.4 | 114.6 | 123.5 | 133.6 |       |       |       |       |       |       |       |       |
| 65                              | 81.3                             | 86.7  | 93.0  | 99.8  | 107.7 | 115.1 | 123.3 | 133.1 | 144.4 |       |       |       |       |       |       |
| 68                              | 78.6                             | 83.6  | 89.2  | 95.4  | 102.3 | 108.8 | 115.8 | 124.0 | 133.2 | 144.1 |       |       |       |       |       |
| 72                              | 75.6                             | 80.2  | 85.3  | 90.7  | 96.9  | 102.4 | 108.4 | 115.3 | 122.7 | 131.4 | 141.1 | 152.6 |       |       |       |
| 77                              | 72.7                             | 76.9  | 81.5  | 86.3  | 91.7  | 96.6  | 101.7 | 107.5 | 113.7 | 120.8 | 128.4 | 137.2 | 147.5 | 159.1 | 162.7 |
| 83                              | 70.0                             | 73.8  | 78.0  | 82.4  | 87.2  | 91.5  | 95.9  | 100.9 | 106.2 | 112.1 | 118.3 | 125.4 | 133.4 | 142.2 | 144.8 |
| 90                              | 67.6                             | 71.1  | 74.9  | 78.9  | 83.2  | 87.0  | 91.0  | 95.4  | 100.0 | 105.0 | 110.4 | 116.3 | 122.8 | 129.9 | 132.0 |
| 98                              | 65.5                             | 68.7  | 72.2  | 75.9  | 79.8  | 83.3  | 86.9  | 90.8  | 94.9  | 99.3  | 104.0 | 109.1 | 114.7 | 120.6 | 122.3 |
| 108                             | 63.4                             | 66.4  | 69.7  | 73.1  | 76.7  | 79.9  | 83.1  | 86.7  | 90.3  | 94.3  | 98.4  | 102.8 | 107.7 | 112.7 | 114.2 |
| 121                             | 61.5                             | 64.3  | 67.3  | 70.4  | 73.7  | 76.6  | 79.6  | 82.8  | 86.1  | 89.6  | 93.3  | 97.2  | 101.5 | 105.9 | 107.1 |
| 138                             | 59.6                             | 62.3  | 65.1  | 68.0  | 71.0  | 73.7  | 76.4  | 79.3  | 82.3  | 85.5  | 88.8  | 92.3  | 96.1  | 100.0 | 95.8  |
| 161                             | 57.9                             | 60.4  | 63.0  | 65.7  | 68.5  | 71.0  | 73.5  | 76.2  | 78.9  | 81.8  | 84.8  | 88.0  | 91.4  | 94.8  | 91.2  |
| 194                             | 56.3                             | 58.6  | 61.1  | 63.6  | 66.2  | 68.5  | 70.8  | 73.3  | 75.8  | 78.5  | 81.2  | 84.1  | 87.2  | 90.3  | 87.0  |
| 246                             | 54.7                             | 56.9  | 59.2  | 61.6  | 64.1  | 66.2  | 68.4  | 70.6  | 73.0  | 75.4  | 77.9  | 80.5  | 83.3  | 86.2  | 83.2  |
| 339                             | 53.2                             | 55.3  | 57.5  | 59.7  | 62.0  | 64.0  | 66.0  | 68.2  | 70.3  | 72.6  | 74.9  | 77.3  | 79.9  | 82.5  | 82.9  |
| 350                             | 53.1                             | 55.2  | 57.4  | 59.6  | 61.9  | 63.9  | 65.9  | 68.0  | 70.1  | 72.4  | 74.6  | 77.1  | 79.6  | 82.2  |       |
| Longueurs de base de grille (m) |                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

$$\text{Emission de base} = \text{émission réelle} \times \frac{10}{\Delta T_o}$$

$$\text{Longueur de base} = \text{longueur réelle} \times \rho_{hb}$$

$$\text{Emission réelle} = \frac{\text{émission de base} \times \Delta T_o}{10}$$

$$\text{Longueur réelle} = \frac{\text{longueur de base}}{\rho_{hb}}$$

## TABLE DE DIMENSIONNEMENT DES GRILLES

Emission de base comprise entre 744 et 1 022 W  
 $\rho_{hb}$  de référence = 1 W/(m.K) -  $\Delta T_o$  de référence = 10 °C

| Débit<br>l/h | ÉMISSION CALORIFIQUE DE BASE (W) |       |       |       |       |       |       |       |       |       |       |
|--------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              | 744                              | 768   | 793   | 819   | 845   | 872   | 900   | 929   | 959   | 990   | 1022  |
| 75           | 167.2                            |       |       |       |       |       |       |       |       |       |       |
| 77           | 159.1                            | 174.6 |       |       |       |       |       |       |       |       |       |
| 79           | 152.5                            | 166.0 |       |       |       |       |       |       |       |       |       |
| 81           | 146.9                            | 159.1 | 173.7 |       |       |       |       |       |       |       |       |
| 84           | 140.1                            | 150.7 | 163.1 | 178.0 |       |       |       |       |       |       |       |
| 87           | 134.5                            | 144.0 | 154.9 | 167.7 | 182.4 |       |       |       |       |       |       |
| 90           | 129.9                            | 138.5 | 148.3 | 159.7 | 172.4 | 187.4 |       |       |       |       |       |
| 94           | 124.8                            | 132.5 | 141.3 | 151.2 | 162.1 | 174.7 | 189.5 | 207.2 |       |       |       |
| 98           | 120.6                            | 127.7 | 135.6 | 144.5 | 154.1 | 165.1 | 177.7 | 192.4 | 209.9 |       |       |
| 103          | 116.3                            | 122.8 | 129.9 | 137.9 | 146.4 | 155.9 | 166.7 | 179.0 | 193.1 | 209.8 | 229.8 |
| 109          | 112.1                            | 118.0 | 124.5 | 131.7 | 139.2 | 147.6 | 156.9 | 167.3 | 179.1 | 192.5 | 208.0 |
| 116          | 108.2                            | 113.6 | 119.6 | 126.0 | 132.8 | 140.2 | 148.4 | 157.4 | 167.4 | 178.6 | 191.2 |
| 124          | 104.6                            | 109.7 | 115.1 | 121.0 | 127.2 | 133.8 | 141.1 | 149.0 | 157.7 | 167.3 | 177.9 |
| 133          | 101.4                            | 106.1 | 111.2 | 116.6 | 122.2 | 128.3 | 134.9 | 142.0 | 149.7 | 158.0 | 167.2 |
| 144          | 98.4                             | 102.8 | 107.4 | 112.5 | 117.6 | 123.2 | 129.1 | 135.5 | 142.4 | 149.8 | 157.8 |
| 158          | 95.4                             | 99.4  | 103.8 | 108.4 | 113.2 | 118.2 | 123.7 | 129.4 | 135.6 | 142.2 | 149.3 |
| 175          | 92.6                             | 96.4  | 100.5 | 104.8 | 109.2 | 113.9 | 118.8 | 124.1 | 129.7 | 135.6 | 141.9 |
| 197          | 90.0                             | 93.5  | 97.3  | 101.3 | 105.4 | 109.7 | 114.3 | 119.1 | 124.2 | 129.6 | 135.3 |
| 226          | 87.5                             | 90.8  | 94.4  | 98.1  | 101.9 | 106.0 | 110.2 | 114.6 | 119.3 | 124.2 | 129.4 |
| 266          | 85.1                             | 88.3  | 91.6  | 95.1  | 98.7  | 102.4 | 106.4 | 110.5 | 114.8 | 119.3 | 124.1 |
| 325          | 82.9                             | 85.9  | 89.0  | 92.3  | 95.6  | 99.1  | 102.8 | 106.6 | 110.6 | 114.8 | 119.2 |
| 350          | 82.2                             | 85.1  | 88.2  | 91.4  | 94.7  | 98.1  | 101.7 | 105.5 | 109.4 | 113.4 | 117.7 |
|              | Longueurs de base de grille (m)  |       |       |       |       |       |       |       |       |       |       |

$$\text{Emission de base} = \text{émission réelle} \times \frac{10}{\Delta T_o}$$

$$\text{Emission réelle} = \frac{\text{émission de base} \times \Delta T_o}{10}$$

$$\text{Longueur de base} = \text{longueur réelle} \times \rho_{hb}$$

$$\text{Longueur réelle} = \frac{\text{longueur de base}}{\rho_{hb}}$$

## TABLE DE DIMENSIONNEMENT DES GRILLES

Emission de base comprise entre 1 022 et 1 250 W  
 $\rho_{hb}$  de référence = 1 W/(m.K) -  $\Delta T_o$  de référence = 10 °C

| Débit<br>l/h                    | ÉMISSION CALORIFIQUE DE BASE (W) |       |       |       |       |       |       |       |       |       |       |
|---------------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                                 | 1022                             | 1043  | 1065  | 1087  | 1110  | 1133  | 1157  | 1181  | 1206  | 1231  | 1250  |
| 75                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 77                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 79                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 81                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 84                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 87                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 90                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 94                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 98                              |                                  |       |       |       |       |       |       |       |       |       |       |
| 103                             | 229.8                            |       |       |       |       |       |       |       |       |       |       |
| 109                             | 208.0                            | 219.3 | 232.4 | 247.0 |       |       |       |       |       |       |       |
| 116                             | 191.2                            | 200.1 | 210.2 | 221.1 | 233.4 | 247.1 | 263.0 |       |       |       |       |
| 124                             | 177.9                            | 185.3 | 193.4 | 202.1 | 211.8 | 222.1 | 233.8 | 246.4 | 261.0 | 277.1 |       |
| 133                             | 167.2                            | 173.5 | 180.4 | 187.7 | 195.6 | 204.0 | 213.2 | 223.0 | 234.0 | 245.8 | 255.4 |
| 144                             | 157.8                            | 163.3 | 169.2 | 175.4 | 182.1 | 189.0 | 196.6 | 204.6 | 213.3 | 222.4 | 229.8 |
| 158                             | 149.3                            | 154.1 | 159.2 | 164.5 | 170.3 | 176.2 | 182.5 | 189.1 | 196.3 | 203.7 | 209.5 |
| 175                             | 141.9                            | 146.2 | 150.8 | 155.4 | 160.4 | 165.6 | 171.1 | 176.7 | 182.7 | 189.0 | 193.8 |
| 197                             | 135.3                            | 139.2 | 143.2 | 147.4 | 151.8 | 156.3 | 161.1 | 166.0 | 171.2 | 176.6 | 180.7 |
| 226                             | 129.4                            | 132.9 | 136.5 | 140.3 | 144.2 | 148.2 | 152.5 | 156.8 | 161.4 | 166.1 | 169.7 |
| 266                             | 124.1                            | 127.2 | 130.5 | 133.9 | 137.5 | 141.1 | 144.9 | 148.8 | 152.8 | 157.0 | 160.1 |
| 325                             | 119.2                            | 122.0 | 125.1 | 128.2 | 131.4 | 134.7 | 138.1 | 141.6 | 145.3 | 148.9 | 151.8 |
| 350                             | 117.7                            | 120.5 | 123.5 | 126.5 | 129.6 | 132.8 | 136.1 | 139.5 | 143.0 | 146.6 | 149.3 |
| Longueurs de base de grille (m) |                                  |       |       |       |       |       |       |       |       |       |       |

$$\text{Emission de base} = \text{émission réelle} \times \frac{10}{\Delta T_o}$$

$$\text{Emission réelle} = \frac{\text{émission de base} \times \Delta T_o}{10}$$

$$\text{Longueur de base} = \text{longueur réelle} \times \rho_{hb}$$

$$\text{Longueur réelle} = \frac{\text{longueur de base}}{\rho_{hb}}$$

## TABLE DE DIMENSIONNEMENT DES GRILLES

Emission de base comprise entre 1 231 et 1 922 W  
 $\rho_{hb}$  de référence = 1 W/(m.K) -  $\Delta T_o$  de référence = 10 °C

| Débit<br>l/h | ÉMISSION CALORIFIQUE DE BASE (W) |       |       |       |       |       |       |       |       |       |       |
|--------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|              | 1231                             | 1287  | 1346  | 1407  | 1471  | 1538  | 1608  | 1681  | 1758  | 1838  | 1922  |
| 150          | 213.3                            | 233.5 | 257.6 | 286.6 | 323.2 |       |       |       |       |       |       |
| 153          | 209.4                            | 228.6 | 251.3 | 278.3 | 311.9 |       |       |       |       |       |       |
| 156          | 205.9                            | 224.2 | 245.7 | 271.0 | 302.1 | 341.5 |       |       |       |       |       |
| 160          | 201.6                            | 218.9 | 239.1 | 262.6 | 290.9 | 326.0 |       |       |       |       |       |
| 164          | 197.7                            | 214.2 | 233.3 | 255.2 | 281.3 | 313.1 | 353.2 |       |       |       |       |
| 168          | 194.3                            | 210.0 | 228.1 | 248.8 | 273.1 | 302.3 | 338.3 |       |       |       |       |
| 173          | 190.4                            | 205.4 | 222.4 | 241.8 | 264.3 | 290.9 | 323.0 | 363.1 |       |       |       |
| 178          | 186.9                            | 201.2 | 217.4 | 235.7 | 256.7 | 281.2 | 310.4 | 346.0 | 391.7 |       |       |
| 184          | 183.2                            | 196.8 | 212.2 | 229.3 | 248.8 | 271.4 | 297.9 | 329.5 | 368.8 | 419.1 |       |
| 190          | 180.0                            | 193.0 | 207.6 | 223.8 | 242.1 | 263.1 | 287.4 | 316.0 | 350.8 | 393.9 |       |
| 197          | 176.6                            | 189.0 | 202.9 | 218.2 | 235.4 | 254.9 | 277.3 | 303.1 | 334.1 | 371.3 | 418.3 |
| 205          | 173.2                            | 185.0 | 198.2 | 212.7 | 228.8 | 247.0 | 267.6 | 291.1 | 318.8 | 351.4 | 391.2 |
| 213          | 170.2                            | 181.6 | 194.2 | 207.9 | 223.2 | 240.3 | 259.4 | 281.2 | 306.4 | 335.6 | 370.5 |
| 222          | 167.2                            | 178.2 | 190.2 | 203.3 | 217.7 | 233.8 | 251.7 | 271.8 | 294.9 | 321.3 | 352.2 |
| 232          | 164.4                            | 174.9 | 186.4 | 198.9 | 212.6 | 227.7 | 244.5 | 263.2 | 284.5 | 308.5 | 336.2 |
| 244          | 161.4                            | 171.5 | 182.5 | 194.3 | 207.3 | 221.6 | 237.3 | 254.7 | 274.2 | 296.1 | 321.0 |
| 257          | 158.6                            | 168.3 | 178.9 | 190.2 | 202.5 | 216.0 | 230.8 | 247.0 | 265.2 | 285.2 | 307.9 |
| 272          | 155.9                            | 165.2 | 175.3 | 186.1 | 197.9 | 210.6 | 224.6 | 239.8 | 256.7 | 275.2 | 295.9 |
| 289          | 153.3                            | 162.3 | 172.0 | 182.3 | 193.5 | 205.6 | 218.8 | 233.1 | 248.8 | 266.0 | 285.1 |
| 309          | 150.7                            | 159.3 | 168.6 | 178.5 | 189.2 | 200.7 | 213.2 | 226.6 | 241.4 | 257.4 | 275.0 |
| 333          | 148.1                            | 156.4 | 165.4 | 174.8 | 185.0 | 196.0 | 207.8 | 220.5 | 234.3 | 249.2 | 265.6 |
| 350          | 146.6                            | 154.7 | 163.4 | 172.6 | 182.5 | 193.2 | 204.6 | 216.8 | 230.2 | 244.5 | 260.1 |
|              | Longueurs de base de grille (m)  |       |       |       |       |       |       |       |       |       |       |

$$\text{Emission de base} = \text{émission réelle} \times \frac{10}{\Delta T_o}$$

$$\text{Emission réelle} = \frac{\text{émission de base} \times \Delta T_o}{10}$$

$$\text{Longueur de base} = \text{longueur réelle} \times \rho_{hb}$$

$$\text{Longueur réelle} = \frac{\text{longueur de base}}{\rho_{hb}}$$