

25431-82



ГОСУДАРСТВЕННЫЙ СТАНДАРТ
СОЮЗА ССР

**ТАБЛИЦА ДИНАМИЧЕСКИХ ДАВЛЕНИЙ
И ТЕМПЕРАТУР ТОРМОЖЕНИЯ
ВОЗДУХА В ЗАВИСИМОСТИ ОТ ЧИСЛА
МАХА И ВЫСОТЫ ПОЛЕТА**

ГОСТ 25431-82

Издание официальное

Цена 35 коп.



ГОСУДАРСТВЕННЫЙ КОМИТЕТ СССР ПО СТАНДАРТАМ
МОСКВА

GOST
СТАНДАРТ

ГОСТ 25431-82, Таблица динамических давлений и температур торможения воздуха в зависимости от числа маха и высоты полета
Table of dynamic pressures and stagnation temperatures of air as a function of Mach number and flight altitude

ГОСУДАРСТВЕННЫЙ СТАНДАРТ
СОЮЗА ССР

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ГОСТ 25431-82

Издание официальное

МОСКВА — 1983

ТАБЛИЦА ДИНАМИЧЕСКИХ ДАВЛЕНИЙ И
ТЕМПЕРАТУР ТОРМОЖЕНИЯ ВОЗДУХА
В ЗАВИСИМОСТИ ОТ ЧИСЛА МАХА И
ВЫСОТЫ ПОЛЕТА

Table of dynamic pressures and stagnation
temperatures of air as a function of Mach
number and flight altitude

ГОСТ
25431-82

Постановлением Государственного комитета СССР по стандартам от 27 августа
1982 г. № 3429 срок введения установлен

с 01.01.84

Несоблюдение стандарта преследуется по закону

1. Настоящий стандарт устанавливает значения равновесного динамического давления p_d и температуры торможения воздуха T_0 в зависимости от числа Маха и высоты полета (таблица).

Стандарт предназначен для использования при расчетах, проектировании и изготовлении летательных аппаратов, их элементов и комплектующих изделий, а также для приведения результатов испытаний летательных аппаратов, их элементов и комплектующих изделий к одинаковым условиям.

2. Стандарт включает диапазон геопотенциальных высот от нуля до 50000 м и чисел Маха от 0,01 до 6,00. В таблице интервал по числу Маха равен:

0,01 — для высот от нуля до 11000 м и чисел Маха от 0,01 до 3,00;

0,02 — для высот от 12000 до 20000 м и чисел Маха от 0,02 до 4,80;

0,05 — для высот от 21000 до 50000 м и чисел Маха от 0,05 до 6,00.

Интервал по высоте полета равен 1000 м.

3. Методика интерполяции табличных данных приведена в обязательном приложении.

Издание официальное

Перепечатка воспрещена

**Значения динамического давления и температур торможения воздуха
в зависимости от числа Маха и высоты полета**

M от 0,01 до 0,39

| M | H=0 м | | H=1000 м | | H=2000 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_d , Па | T_o , К | p_d , Па | T_o , К | p_d , Па | T_o , К |
| 0,01 | 7,09291 +0 | 288,156 | 6,29136 +0 | 281,656 | 5,56479 +0 | 275,156 |
| 0,02 | 2,83738 +1 | 288,173 | 2,51673 +1 | 281,673 | 2,22608 +1 | 275,172 |
| 0,03 | 6,38489 | 288,202 | 5,65336 | 281,701 | 5,00931 | 275,200 |
| 0,04 | 1,13529 +2 | 288,242 | 1,00700 +2 | 281,740 | 8,90700 | 275,238 |
| 0,05 | 1,77429 | 288,294 | 1,57378 | 281,791 | 1,39203 +2 | 275,288 |
| 0,06 | 2,55568 | 288,357 | 2,26687 | 281,853 | 2,00508 | 275,348 |
| 0,07 | 3,47970 | 288,432 | 3,08647 | 281,926 | 2,73002 | 275,420 |
| 0,08 | 4,54662 | 288,519 | 4,03282 | 282,011 | 3,56708 | 275,502 |
| 0,09 | 5,75675 | 288,617 | 5,10620 | 282,106 | 4,51650 | 275,596 |
| | | | | | | |
| 0,10 | 7,11048 +2 | 288,726 | 6,30695 +2 | 282,213 | 5,57857 +2 | 275,700 |
| 0,11 | 8,60820 | 288,847 | 7,63541 | 282,332 | 6,75362 | 275,816 |
| 0,12 | 1,02504 +3 | 288,980 | 9,09200 | 282,461 | 8,04198 | 275,942 |
| 0,13 | 1,20374 | 289,124 | 1,06771 +3 | 282,602 | 9,44406 | 276,080 |
| 0,14 | 1,39700 | 289,280 | 1,23913 | 282,754 | 1,09503 +3 | 276,229 |
| 0,15 | 1,60486 | 289,447 | 1,42350 | 282,917 | 1,25910 | 276,388 |
| 0,16 | 1,82739 | 289,625 | 1,62088 | 283,092 | 1,43969 | 276,559 |
| 0,17 | 2,06465 | 289,816 | 1,83133 | 283,278 | 1,61984 | 276,740 |
| 0,18 | 2,31672 | 290,017 | 2,05491 | 283,475 | 1,81760 | 276,933 |
| 0,19 | 2,58367 | 290,230 | 2,29170 | 283,684 | 2,02703 | 277,137 |
| | | | | | | |
| 0,20 | 2,86558 +3 | 290,455 | 2,54175 +3 | 283,903 | 2,24821 +3 | 277,351 |
| 0,21 | 3,16253 | 290,691 | 2,80514 | 284,134 | 2,48118 | 277,577 |
| 0,22 | 3,47462 | 290,939 | 3,08197 | 284,376 | 2,72604 | 277,813 |
| 0,23 | 3,80194 | 291,199 | 3,37229 | 284,630 | 2,98281 | 278,061 |
| 0,24 | 4,14458 | 291,469 | 3,67622 | 284,895 | 3,25166 | 278,320 |
| 0,25 | 4,50266 | 291,752 | 3,99383 | 285,171 | 3,53259 | 278,589 |
| 0,26 | 4,87626 | 292,046 | 4,32521 | 285,458 | 3,82571 | 278,870 |
| 0,27 | 5,26562 | 292,351 | 4,67048 | 285,756 | 4,13110 | 279,162 |
| 0,28 | 5,67055 | 292,668 | 5,02974 | 286,066 | 4,44886 | 279,464 |
| 0,29 | 6,09146 | 292,997 | 5,40308 | 286,387 | 4,77909 | 279,778 |
| | | | | | | |
| 0,30 | 6,52838 +3 | 293,337 | 5,79063 +3 | 286,720 | 5,12188 +3 | 280,103 |
| 0,31 | 6,98145 | 293,688 | 6,19250 | 287,063 | 5,47734 | 280,438 |
| 0,32 | 7,45080 | 294,051 | 6,60881 | 287,418 | 5,84557 | 280,785 |
| 0,33 | 7,93657 | 294,426 | 7,03968 | 287,784 | 6,22668 | 281,143 |
| 0,34 | 8,43890 | 294,812 | 7,48525 | 288,162 | 6,62079 | 281,511 |
| 0,35 | 8,95795 | 295,210 | 7,94564 | 288,550 | 7,02802 | 281,891 |
| 0,36 | 9,49388 | 295,619 | 8,42101 | 288,950 | 7,44848 | 282,282 |
| 0,37 | 1,00468 +4 | 296,040 | 8,91148 | 289,362 | 7,88231 | 282,684 |
| 0,38 | 1,06170 | 296,472 | 9,41720 | 289,784 | 8,32963 | 283,096 |
| 0,39 | 1,12015 | 296,916 | 9,93834 | 290,218 | 8,79058 | 283,520 |

Продолжение

М от 0,40 до 0,79

| М | H=0 м | | H=1000 м | | H=2000 м | |
|------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | $P_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $P_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $P_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 0,40 | 1,18096 +4 | 297,371 | 1,04750 +4 | 290,663 | 9,26530 +3 | 283,955 |
| 0,41 | 1,24324 | 297,838 | 1,10275 | 291,119 | 9,75392 | 284,401 |
| 0,42 | 1,30731 | 298,316 | 1,15958 | 291,587 | 1,02566 +4 | 284,857 |
| 0,43 | 1,37319 | 298,806 | 1,21801 | 292,065 | 1,07735 | 285,325 |
| 0,44 | 1,44091 | 299,307 | 1,27807 | 292,555 | 1,13047 | 285,804 |
| 0,45 | 1,51047 | 299,820 | 1,33978 | 293,057 | 1,18505 | 286,294 |
| 0,46 | 1,58190 | 300,345 | 1,40314 | 293,569 | 1,24109 | 286,794 |
| 0,47 | 1,65523 | 300,880 | 1,46818 | 294,093 | 1,29862 | 287,306 |
| 0,48 | 1,73047 | 301,428 | 1,53492 | 294,628 | 1,35765 | 287,829 |
| 0,49 | 1,80765 | 301,987 | 1,60338 | 295,175 | 1,41821 | 288,363 |
| | | | | | | |
| 0,50 | 1,88679 +4 | 302,557 | 1,67357 +4 | 295,733 | 1,48030 +4 | 288,907 |
| 0,51 | 1,96792 | 303,140 | 1,74553 | 296,301 | 1,54394 | 289,463 |
| 0,52 | 2,05105 | 303,733 | 1,81927 | 296,882 | 1,60917 | 290,030 |
| 0,53 | 2,13622 | 304,338 | 1,89481 | 297,473 | 1,67598 | 290,608 |
| 0,54 | 2,22344 | 304,955 | 1,97218 | 298,076 | 1,74412 | 291,197 |
| 0,55 | 2,31275 | 305,583 | 2,05140 | 298,690 | 1,81449 | 291,797 |
| 0,56 | 2,40418 | 306,223 | 2,13249 | 299,315 | 1,88621 | 292,407 |
| 0,57 | 2,49774 | 306,874 | 2,21548 | 299,952 | 1,95962 | 293,029 |
| 0,58 | 2,59346 | 307,537 | 2,30038 | 300,599 | 2,03472 | 293,662 |
| 0,59 | 2,69130 | 308,211 | 2,38724 | 301,258 | 2,11154 | 294,306 |
| | | | | | | |
| 0,60 | 2,79153 +4 | 308,897 | 2,47607 +4 | 301,929 | 2,19012 +4 | 294,961 |
| 0,61 | 2,89391 | 309,594 | 2,56690 | 302,610 | 2,27046 | 295,627 |
| 0,62 | 2,99863 | 310,303 | 2,65976 | 303,303 | 2,35259 | 296,304 |
| 0,63 | 3,10562 | 311,023 | 2,75467 | 304,007 | 2,43654 | 296,991 |
| 0,64 | 3,21498 | 311,755 | 2,85167 | 304,723 | 2,52234 | 297,690 |
| 0,65 | 3,32671 | 312,498 | 2,95078 | 305,449 | 2,61000 | 298,400 |
| 0,66 | 3,44083 | 313,263 | 3,05202 | 306,187 | 2,69955 | 299,121 |
| 0,67 | 3,55740 | 314,019 | 3,15544 | 306,937 | 2,79103 | 299,853 |
| 0,68 | 3,67654 | 314,797 | 3,26107 | 307,697 | 2,88445 | 300,596 |
| 0,69 | 3,79813 | 315,586 | 3,36893 | 308,469 | 2,97986 | 301,350 |
| | | | | | | |
| 0,70 | 3,92229 +4 | 316,387 | 3,47905 +4 | 309,252 | 3,07726 +4 | 302,115 |
| 0,71 | 4,04903 | 317,199 | 3,59148 | 310,046 | 3,17670 | 302,891 |
| 0,72 | 4,17841 | 318,023 | 3,70622 | 310,851 | 3,27820 | 303,678 |
| 0,73 | 4,31045 | 318,858 | 3,82334 | 311,668 | 3,38180 | 304,475 |
| 0,74 | 4,44521 | 319,705 | 3,94286 | 312,496 | 3,48752 | 305,284 |
| 0,75 | 4,58270 | 320,563 | 4,06482 | 313,335 | 3,59539 | 306,104 |
| 0,76 | 4,72299 | 321,433 | 4,18926 | 314,185 | 3,70545 | 306,935 |
| 0,77 | 4,86611 | 322,314 | 4,31620 | 315,047 | 3,81774 | 307,777 |
| 0,78 | 5,01210 | 323,207 | 4,44569 | 315,920 | 3,93227 | 308,630 |
| 0,79 | 5,16101 | 324,111 | 4,57777 | 316,804 | 4,04910 | 309,494 |

M от 0,80 до 1,19

| M | H=0 м | | H=1000 м | | H=2000 м | |
|------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К |
| 0,80 | 5,31287 +4 | 325,026 | 4,71247 +4 | 317,699 | 4,16825 +4 | 310,369 |
| 0,81 | 5,46774 | 325,953 | 4,84934 | 318,006 | 4,28974 | 311,255 |
| 0,82 | 5,62567 | 326,891 | 4,98991 | 319,523 | 4,41363 | 312,152 |
| 0,83 | 5,78619 | 327,841 | 5,13273 | 320,452 | 4,53996 | 313,060 |
| 0,84 | 5,95085 | 328,803 | 5,27834 | 321,392 | 4,66875 | 313,979 |
| 0,85 | 6,11821 | 329,775 | 5,42679 | 322,344 | 4,80005 | 314,903 |
| 0,86 | 6,28882 | 330,760 | 5,57811 | 323,306 | 4,93389 | 315,849 |
| 0,87 | 6,46271 | 331,755 | 5,73235 | 324,280 | 5,07032 | 316,801 |
| 0,88 | 6,63996 | 332,762 | 5,88956 | 325,265 | 5,20937 | 317,763 |
| 0,89 | 6,82060 | 333,781 | 6,04978 | 326,261 | 5,35109 | 318,737 |
| | | | | | | |
| 0,90 | 7,00469 +4 | 334,811 | 6,21306 +4 | 327,268 | 5,49551 +4 | 319,721 |
| 0,91 | 7,19229 | 335,852 | 6,37946 | 328,286 | 5,64268 | 320,717 |
| 0,92 | 7,38345 | 336,903 | 6,54901 | 329,316 | 5,79265 | 321,723 |
| 0,93 | 7,57822 | 337,970 | 6,72176 | 330,357 | 5,94545 | 322,740 |
| 0,94 | 7,77667 | 339,045 | 6,89778 | 331,409 | 6,10114 | 323,769 |
| 0,95 | 7,97885 | 340,132 | 7,07710 | 332,472 | 6,25975 | 324,808 |
| 0,96 | 8,18482 | 341,231 | 7,25979 | 333,546 | 6,42133 | 325,858 |
| 0,97 | 8,39465 | 342,341 | 7,44590 | 334,632 | 6,58594 | 326,919 |
| 0,98 | 8,60839 | 343,462 | 7,63547 | 335,729 | 6,75362 | 327,991 |
| 0,99 | 8,82610 | 344,595 | 7,82858 | 336,836 | 6,92441 | 329,074 |
| | | | | | | |
| 1,00 | 9,04786 +4 | 345,739 | 8,02526 +4 | 337,955 | 7,09837 +4 | 330,167 |
| 1,01 | 9,27369 | 346,895 | 8,22556 | 339,086 | 7,27554 | 331,272 |
| 1,02 | 9,50355 | 348,062 | 8,42944 | 340,227 | 7,45586 | 332,388 |
| 1,03 | 9,73736 | 349,240 | 8,63681 | 341,379 | 7,63928 | 333,514 |
| 1,04 | 9,97505 | 350,430 | 8,84763 | 342,543 | 7,82574 | 334,651 |
| 1,05 | 1,02166 +5 | 351,631 | 9,06183 | 343,718 | 8,01519 | 335,800 |
| 1,06 | 1,04618 | 352,843 | 9,27935 | 344,903 | 8,20758 | 336,959 |
| 1,07 | 1,07108 | 354,067 | 9,50016 | 346,100 | 8,40288 | 338,129 |
| 1,08 | 1,09634 | 355,302 | 9,72419 | 347,309 | 8,60103 | 339,310 |
| 1,09 | 1,12195 | 356,549 | 9,95141 | 348,528 | 8,80199 | 340,502 |
| | | | | | | |
| 1,10 | 1,14793 +5 | 357,806 | 1,01818 +5 | 349,758 | 9,00574 +4 | 341,704 |
| 1,11 | 1,17425 | 359,076 | 1,04152 | 351,000 | 9,21223 | 342,918 |
| 1,12 | 1,20093 | 360,356 | 1,06518 | 352,252 | 9,42144 | 344,142 |
| 1,13 | 1,22794 | 361,648 | 1,08913 | 353,516 | 9,63332 | 345,378 |
| 1,14 | 1,25529 | 362,951 | 1,11339 | 354,790 | 9,84787 | 346,624 |
| 1,15 | 1,28297 | 364,266 | 1,13795 | 356,076 | 1,00650 +5 | 347,881 |
| 1,16 | 1,31099 | 365,592 | 1,16280 | 357,373 | 1,02848 | 349,149 |
| 1,17 | 1,33934 | 366,929 | 1,18794 | 358,681 | 1,05072 | 350,427 |
| 1,18 | 1,36801 | 368,277 | 1,21337 | 360,000 | 1,07321 | 351,717 |
| 1,19 | 1,39700 | 369,637 | 1,23909 | 361,330 | 1,09595 | 353,017 |

Продолжение

М от 1,20 до 1,59

| М | H=0 м | | H=1000 м | | H=2000 м | |
|------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | $P_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $P_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $P_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 1,20 | 1,42632 +5 | 371,008 | 1,26509 +5 | 362,672 | 1,11895 +5 | 354,329 |
| 1,21 | 1,45595 | 372,391 | 1,29137 | 364,024 | 1,14219 | 355,651 |
| 1,22 | 1,48590 | 373,784 | 1,31793 | 365,387 | 1,16569 | 356,984 |
| 1,23 | 1,51616 | 375,189 | 1,34477 | 366,762 | 1,18943 | 358,327 |
| 1,24 | 1,54674 | 376,605 | 1,37189 | 368,147 | 1,21341 | 359,682 |
| 1,25 | 1,57762 | 378,033 | 1,39928 | 369,543 | 1,23763 | 361,047 |
| 1,26 | 1,60881 | 379,472 | 1,42694 | 370,951 | 1,26210 | 362,423 |
| 1,27 | 1,64031 | 380,921 | 1,45488 | 372,369 | 1,28681 | 363,810 |
| 1,28 | 1,67211 | 382,383 | 1,48308 | 373,799 | 1,31175 | 365,208 |
| 1,29 | 1,70421 | 383,855 | 1,51155 | 375,239 | 1,33693 | 366,616 |
| | | | | | | |
| 1,30 | 1,73662 +5 | 385,339 | 1,54029 +5 | 376,691 | 1,36235 +5 | 368,035 |
| 1,31 | 1,76932 | 386,834 | 1,56930 | 378,153 | 1,38800 | 369,465 |
| 1,32 | 1,80233 | 388,340 | 1,59857 | 379,627 | 1,41389 | 370,906 |
| 1,33 | 1,83562 | 389,857 | 1,62810 | 381,111 | 1,44001 | 372,357 |
| 1,34 | 1,86922 | 391,385 | 1,65790 | 382,607 | 1,46636 | 373,819 |
| 1,35 | 1,90311 | 392,925 | 1,68795 | 384,113 | 1,49295 | 375,292 |
| 1,36 | 1,93729 | 394,476 | 1,71827 | 385,630 | 1,51976 | 376,776 |
| 1,37 | 1,97177 | 396,038 | 1,74884 | 387,158 | 1,54680 | 378,271 |
| 1,38 | 2,00653 | 397,611 | 1,77968 | 388,698 | 1,57407 | 379,773 |
| 1,39 | 2,04159 | 399,195 | 1,81077 | 390,248 | 1,60157 | 381,291 |
| | | | | | | |
| 1,40 | 2,07693 +5 | 400,790 | 1,84212 +5 | 391,809 | 1,62929 +5 | 382,818 |
| 1,41 | 2,11257 | 402,397 | 1,87372 | 393,381 | 1,65724 | 384,355 |
| 1,42 | 2,14849 | 404,015 | 1,90558 | 394,964 | 1,68542 | 385,903 |
| 1,43 | 2,18469 | 405,643 | 1,93769 | 396,557 | 1,71382 | 387,462 |
| 1,44 | 2,22119 | 407,283 | 1,97005 | 398,162 | 1,74244 | 389,031 |
| 1,45 | 2,25797 | 408,934 | 2,00267 | 399,777 | 1,77129 | 390,611 |
| 1,46 | 2,29503 | 410,595 | 2,03554 | 401,404 | 1,80036 | 392,201 |
| 1,47 | 2,33238 | 412,269 | 2,06867 | 403,041 | 1,82965 | 393,802 |
| 1,48 | 2,37000 | 413,953 | 2,10204 | 404,689 | 1,85917 | 395,414 |
| 1,49 | 2,40792 | 415,648 | 2,13536 | 406,348 | 1,88891 | 397,037 |
| | | | | | | |
| 1,50 | 2,44611 +5 | 417,354 | 2,16954 +5 | 408,018 | 1,91886 +5 | 398,670 |
| 1,51 | 2,48458 | 419,072 | 2,20366 | 409,698 | 1,94901 | 400,313 |
| 1,52 | 2,52334 | 420,800 | 2,23803 | 411,389 | 1,97944 | 401,967 |
| 1,53 | 2,56238 | 422,539 | 2,27265 | 413,092 | 2,01006 | 403,632 |
| 1,54 | 2,60169 | 424,289 | 2,30752 | 414,804 | 2,04090 | 405,308 |
| 1,55 | 2,64128 | 426,051 | 2,34263 | 416,528 | 2,07195 | 406,991 |
| 1,56 | 2,68116 | 427,823 | 2,37799 | 418,263 | 2,10321 | 408,690 |
| 1,57 | 2,72131 | 429,605 | 2,41360 | 420,008 | 2,13472 | 410,397 |
| 1,58 | 2,76174 | 431,400 | 2,44946 | 421,761 | 2,16643 | 412,115 |
| 1,59 | 2,80244 | 433,205 | 2,48556 | 423,530 | 2,19836 | 413,843 |

Продолжение

М от 1,60 до 1,99

| М | H=0 м | | H=1000 м | | H=2000 м | |
|------|---------------|--------------|---------------|--------------|---------------|--------------|
| | ρ_A , Па | $T_{ст}$, К | ρ_A , Па | $T_{ст}$, К | ρ_A , Па | $T_{ст}$, К |
| 1,60 | 2,84343 +5 | 435,021 | 2,52190 +5 | 425,308 | 2,23050 +5 | 415,581 |
| 1,61 | 2,88468 | 436,847 | 2,55850 | 427,096 | 2,26286 | 417,331 |
| 1,62 | 2,92622 | 438,685 | 2,59533 | 428,894 | 2,29544 | 419,090 |
| 1,63 | 2,96803 | 440,534 | 2,63241 | 430,704 | 2,32823 | 420,860 |
| 1,64 | 3,01012 | 442,393 | 2,66974 | 432,524 | 2,36124 | 422,641 |
| 1,65 | 3,05248 | 444,263 | 2,70731 | 434,355 | 2,39447 | 424,432 |
| 1,66 | 3,09512 | 446,144 | 2,74512 | 436,196 | 2,42791 | 426,233 |
| 1,67 | 3,13803 | 448,036 | 2,78318 | 438,048 | 2,46157 | 428,045 |
| 1,68 | 3,18121 | 449,939 | 2,82147 | 439,911 | 2,49544 | 429,867 |
| 1,69 | 3,22467 | 451,852 | 2,86002 | 441,784 | 2,52952 | 431,700 |
| | | | | | | |
| 1,70 | 3,26840 +5 | 453,777 | 2,89880 +5 | 443,668 | 2,56382 +5 | 433,543 |
| 1,71 | 3,31241 | 455,712 | 2,93783 | 445,562 | 2,59834 | 435,396 |
| 1,72 | 3,35669 | 457,658 | 2,97710 | 447,467 | 2,63307 | 437,260 |
| 1,73 | 3,40124 | 459,614 | 3,01661 | 449,382 | 2,66801 | 439,134 |
| 1,74 | 3,44607 | 461,581 | 3,05636 | 451,308 | 2,70316 | 441,019 |
| 1,75 | 3,49116 | 463,559 | 3,09636 | 453,245 | 2,73853 | 442,914 |
| 1,76 | 3,53653 | 465,548 | 3,13659 | 455,192 | 2,77412 | 444,819 |
| 1,77 | 3,58217 | 467,547 | 3,17707 | 457,149 | 2,80991 | 446,731 |
| 1,78 | 3,62809 | 469,557 | 3,21779 | 459,117 | 2,84592 | 448,660 |
| 1,79 | 3,67427 | 471,578 | 3,25874 | 461,096 | 2,88215 | 450,596 |
| | | | | | | |
| 1,80 | 3,72073 +5 | 473,609 | 3,29994 +5 | 463,085 | 2,91858 +5 | 452,542 |
| 1,81 | 3,76746 | 475,651 | 3,34138 | 465,084 | 2,95523 | 454,499 |
| 1,82 | 3,81445 | 477,703 | 3,38306 | 467,094 | 2,99209 | 456,465 |
| 1,83 | 3,86172 | 479,766 | 3,42498 | 469,114 | 3,02916 | 458,442 |
| 1,84 | 3,90926 | 481,840 | 3,46714 | 471,144 | 3,06645 | 460,429 |
| 1,85 | 3,95708 | 483,924 | 3,50953 | 473,185 | 3,10394 | 462,427 |
| 1,86 | 4,00516 | 486,019 | 3,55219 | 475,236 | 3,14165 | 464,434 |
| 1,87 | 4,05351 | 488,124 | 3,59507 | 477,298 | 3,17957 | 466,452 |
| 1,88 | 4,10213 | 490,240 | 3,63818 | 479,370 | 3,21771 | 468,480 |
| 1,89 | 4,15102 | 492,366 | 3,68154 | 481,452 | 3,25605 | 470,518 |
| | | | | | | |
| 1,90 | 4,20019 +5 | 494,502 | 3,72514 +5 | 483,545 | 3,29461 +5 | 472,566 |
| 1,91 | 4,24962 | 496,649 | 3,76828 | 485,647 | 3,33338 | 474,624 |
| 1,92 | 4,29932 | 498,807 | 3,81306 | 487,760 | 3,37235 | 476,692 |
| 1,93 | 4,34929 | 500,975 | 3,85737 | 489,883 | 3,41155 | 478,770 |
| 1,94 | 4,39953 | 503,153 | 3,90193 | 492,017 | 3,45095 | 480,858 |
| 1,95 | 4,45005 | 505,341 | 3,94672 | 494,160 | 3,49056 | 482,957 |
| 1,96 | 4,50083 | 507,540 | 3,99175 | 496,314 | 3,53038 | 485,065 |
| 1,97 | 4,55188 | 509,750 | 4,03703 | 498,478 | 3,57042 | 487,183 |
| 1,98 | 4,60319 | 511,969 | 4,08254 | 500,652 | 3,61066 | 489,312 |
| 1,99 | 4,65478 | 514,199 | 4,12828 | 502,837 | 3,65112 | 491,450 |

Продолжение

М от 2,00 до 2,39

| М | H=0 м | | H=1000 м | | H=2000 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_d , Па | T_0 , К | p_d , Па | T_0 , К | p_d , Па | T_0 , К |
| 2,00 | 4,70664 +5 | 516,439 | 4,17427 +5 | 505,031 | 3,69179 +5 | 493,598 |
| 2,01 | 4,75876 | 518,690 | 4,22050 | 507,235 | 3,73267 | 495,756 |
| 2,02 | 4,81116 | 520,951 | 4,26696 | 509,450 | 3,77370 | 497,924 |
| 2,03 | 4,86382 | 523,221 | 4,31366 | 511,675 | 3,81506 | 500,102 |
| 2,04 | 4,91676 | 525,503 | 4,36060 | 513,909 | 3,85657 | 502,290 |
| 2,05 | 4,96996 | 527,791 | 4,40778 | 516,154 | 3,89829 | 504,488 |
| 2,06 | 5,02343 | 530,095 | 4,45520 | 518,409 | 3,94022 | 506,695 |
| 2,07 | 5,07717 | 532,407 | 4,50285 | 520,673 | 3,98236 | 508,913 |
| 2,08 | 5,13117 | 534,729 | 4,55075 | 522,948 | 4,02472 | 511,140 |
| 2,09 | 5,18545 | 537,061 | 4,59888 | 525,232 | 4,06728 | 513,377 |
| | | | | | | |
| 2,10 | 5,23999 +5 | 539,403 | 4,64725 +5 | 527,527 | 4,11005 +5 | 515,623 |
| 2,11 | 5,29480 | 541,755 | 4,69585 | 529,831 | 4,15304 | 517,880 |
| 2,12 | 5,34988 | 544,117 | 4,74470 | 532,146 | 4,19623 | 520,146 |
| 2,13 | 5,40523 | 546,489 | 4,79378 | 534,470 | 4,23963 | 522,422 |
| 2,14 | 5,46085 | 548,871 | 4,84310 | 536,804 | 4,28325 | 524,708 |
| 2,15 | 5,51674 | 551,263 | 4,89266 | 539,148 | 4,32707 | 527,003 |
| 2,16 | 5,57289 | 553,665 | 4,94245 | 541,501 | 4,37111 | 529,308 |
| 2,17 | 5,62931 | 556,077 | 4,99249 | 543,865 | 4,41535 | 531,622 |
| 2,18 | 5,68600 | 558,499 | 5,04276 | 546,238 | 4,45981 | 533,947 |
| 2,19 | 5,74296 | 560,931 | 5,09327 | 548,621 | 4,50447 | 536,280 |
| | | | | | | |
| 2,20 | 5,80018 +5 | 563,373 | 5,14402 +5 | 551,014 | 4,54935 +5 | 538,624 |
| 2,21 | 5,85768 | 565,814 | 5,19500 | 553,416 | 4,59443 | 540,977 |
| 2,22 | 5,91544 | 568,286 | 5,24622 | 555,829 | 4,63973 | 543,339 |
| 2,23 | 5,97347 | 570,757 | 5,29768 | 558,250 | 4,68523 | 545,711 |
| 2,24 | 6,03177 | 573,238 | 5,34938 | 560,682 | 4,73095 | 548,093 |
| 2,25 | 6,09034 | 575,729 | 5,40131 | 563,123 | 4,77687 | 550,484 |
| 2,26 | 6,14917 | 578,210 | 5,45348 | 565,574 | 4,82301 | 552,884 |
| 2,27 | 6,20827 | 580,740 | 5,50589 | 568,034 | 4,86935 | 555,294 |
| 2,28 | 6,26764 | 583,261 | 5,55854 | 570,504 | 4,91591 | 557,714 |
| 2,29 | 6,32728 | 585,791 | 5,61143 | 572,984 | 4,96267 | 560,143 |
| | | | | | | |
| 2,30 | 6,38719 +5 | 588,330 | 5,66455 +5 | 575,473 | 5,00965 +5 | 562,581 |
| 2,31 | 6,44736 | 590,879 | 5,71791 | 577,972 | 5,05683 | 565,029 |
| 2,32 | 6,50780 | 593,438 | 5,77151 | 580,480 | 5,10423 | 567,485 |
| 2,33 | 6,56851 | 596,007 | 5,82534 | 582,997 | 5,15183 | 569,952 |
| 2,34 | 6,62949 | 598,585 | 5,87941 | 585,525 | 5,19965 | 572,427 |
| 2,35 | 6,69073 | 601,173 | 5,93372 | 588,061 | 5,24767 | 574,912 |
| 2,36 | 6,75225 | 603,770 | 5,98827 | 590,607 | 5,29591 | 577,407 |
| 2,37 | 6,81403 | 606,377 | 6,04305 | 593,163 | 5,34435 | 579,910 |
| 2,38 | 6,87608 | 608,994 | 6,09808 | 595,727 | 5,39301 | 582,423 |
| 2,39 | 6,93839 | 611,620 | 6,15333 | 598,301 | 5,44187 | 584,945 |

Продолжение

М от 2,40 до 2,79

| М | H=0 м | | H=1000 м | | H=2000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_x , Па | T_0 , К | ρ_x , Па | T_0 , К | ρ_x , Па | T_0 , К |
| 2,40 | 7,00098+5 | 614,255 | 6,20883+5 | 600,885 | 5,49094+5 | 587,476 |
| 2,41 | 7,06383 | 616,900 | 6,26457 | 603,478 | 5,54023 | 590,016 |
| 2,42 | 7,12695 | 619,555 | 6,32054 | 606,080 | 5,58972 | 592,566 |
| 2,43 | 7,19034 | 622,219 | 6,37675 | 608,691 | 5,63943 | 595,125 |
| 2,44 | 7,25400 | 624,892 | 6,43319 | 611,312 | 5,68934 | 597,692 |
| 2,45 | 7,31792 | 627,574 | 6,48988 | 613,942 | 5,73946 | 600,269 |
| 2,46 | 7,38211 | 630,267 | 6,54680 | 616,581 | 5,78980 | 602,855 |
| 2,47 | 7,44657 | 632,968 | 6,60396 | 619,230 | 5,84034 | 605,450 |
| 2,48 | 7,51130 | 635,679 | 6,66135 | 621,888 | 5,89109 | 608,055 |
| 2,49 | 7,57630 | 638,399 | 6,71899 | 624,554 | 5,94206 | 610,668 |
| | | | | | | |
| 2,50 | 7,64156+5 | 641,128 | 6,77686+5 | 627,230 | 5,99323+5 | 613,290 |
| 2,51 | 7,70709 | 643,867 | 6,83497 | 629,916 | 6,04461 | 615,921 |
| 2,52 | 7,77289 | 646,615 | 6,89332 | 632,610 | 6,09621 | 618,561 |
| 2,53 | 7,83896 | 649,372 | 6,95190 | 635,313 | 6,14801 | 621,210 |
| 2,54 | 7,90529 | 652,139 | 7,01072 | 638,026 | 6,20002 | 623,869 |
| 2,55 | 7,97190 | 654,914 | 7,06978 | 640,747 | 6,25225 | 626,536 |
| 2,56 | 8,03877 | 657,699 | 7,12908 | 643,478 | 6,30468 | 629,212 |
| 2,57 | 8,10591 | 660,493 | 7,18861 | 646,217 | 6,35732 | 631,896 |
| 2,58 | 8,17331 | 663,296 | 7,24838 | 648,966 | 6,41017 | 634,593 |
| 2,59 | 8,24099 | 666,108 | 7,30839 | 651,724 | 6,46324 | 637,293 |
| | | | | | | |
| 2,60 | 8,30893+5 | 668,930 | 7,36864+5 | 654,490 | 6,51661+5 | 640,004 |
| 2,61 | 8,37714 | 671,760 | 7,42912 | 657,266 | 6,56999 | 642,724 |
| 2,62 | 8,44562 | 674,600 | 7,48985 | 660,050 | 6,62369 | 645,453 |
| 2,63 | 8,51437 | 677,449 | 7,55081 | 662,844 | 6,67759 | 648,191 |
| 2,64 | 8,58339 | 680,306 | 7,61200 | 665,646 | 6,73170 | 650,938 |
| 2,65 | 8,65267 | 683,173 | 7,67344 | 668,457 | 6,78603 | 653,693 |
| 2,66 | 8,72222 | 686,049 | 7,73511 | 671,277 | 6,84056 | 656,457 |
| 2,67 | 8,79204 | 688,934 | 7,79702 | 674,106 | 6,89539 | 659,230 |
| 2,68 | 8,86213 | 691,827 | 7,85917 | 676,944 | 6,95056 | 662,011 |
| 2,69 | 8,93248 | 694,730 | 7,92156 | 679,790 | 7,00612 | 664,801 |
| | | | | | | |
| 2,70 | 9,00311+5 | 697,642 | 7,98418+5 | 682,616 | 7,06208+5 | 667,600 |
| 2,71 | 9,07400 | 700,562 | 8,04704 | 685,510 | 7,11638 | 670,407 |
| 2,72 | 9,14516 | 703,492 | 8,11014 | 688,383 | 7,17218 | 673,223 |
| 2,73 | 9,21659 | 706,430 | 8,17348 | 691,265 | 7,22818 | 676,048 |
| 2,74 | 9,28829 | 709,377 | 8,23705 | 694,165 | 7,28440 | 678,881 |
| 2,75 | 9,36025 | 712,333 | 8,30087 | 697,064 | 7,34082 | 681,723 |
| 2,76 | 9,43248 | 715,298 | 8,36492 | 699,962 | 7,39746 | 684,573 |
| 2,77 | 9,50499 | 718,272 | 8,42920 | 702,878 | 7,45430 | 687,432 |
| 2,78 | 9,57776 | 721,255 | 8,49373 | 705,804 | 7,51136 | 690,300 |
| 2,79 | 9,65079 | 724,246 | 8,55849 | 708,737 | 7,56862 | 693,176 |

Продолжение

M от 2,80 до 3,00

| M | H=0 м | | H=1000 м | | H=2000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_d , Па | T_0 , К | ρ_d , Па | T_0 , К | ρ_d , Па | T_0 , К |
| 2,80 | 9,72410+5 | 727,246 | 8,62350+5 | 711,680 | 7,52610+5 | 696,060 |
| 2,81 | 9,79767 | 730,255 | 8,68874 | 714,631 | 7,58379 | 698,953 |
| 2,82 | 9,87152 | 733,273 | 8,75421 | 717,591 | 7,64168 | 701,854 |
| 2,83 | 9,94563 | 736,299 | 8,81993 | 720,559 | 7,69979 | 704,764 |
| 2,84 | 1,00200+6 | 739,334 | 8,88588 | 723,536 | 7,75811 | 707,683 |
| 2,85 | 1,00947 | 742,378 | 8,95207 | 726,521 | 7,81664 | 710,609 |
| 2,86 | 1,01696 | 745,431 | 9,01850 | 729,515 | 7,87538 | 713,544 |
| 2,87 | 1,02448 | 748,492 | 9,08517 | 732,518 | 7,93432 | 716,488 |
| 2,88 | 1,03202 | 751,562 | 9,15208 | 735,529 | 7,99348 | 719,440 |
| 2,89 | 1,03959 | 754,640 | 9,21922 | 738,548 | 8,05285 | 722,400 |
| 2,90 | 1,04719+6 | 757,727 | 9,28660+5 | 741,576 | 8,11243+5 | 725,368 |
| 2,91 | 1,05482 | 760,823 | 9,35422 | 744,612 | 8,17222 | 728,345 |
| 2,92 | 1,06247 | 763,927 | 9,42208 | 747,657 | 8,23223 | 731,330 |
| 2,93 | 1,07015 | 767,040 | 9,49017 | 750,711 | 8,29244 | 734,324 |
| 2,94 | 1,07785 | 770,162 | 9,55851 | 753,772 | 8,35286 | 737,325 |
| 2,95 | 1,08559 | 773,292 | 9,62708 | 756,842 | 8,41349 | 740,335 |
| 2,96 | 1,09335 | 776,430 | 9,69589 | 759,921 | 8,47434 | 743,353 |
| 2,97 | 1,10114 | 779,577 | 9,76494 | 763,008 | 8,53539 | 746,380 |
| 2,98 | 1,10895 | 782,733 | 9,83422 | 766,103 | 8,59665 | 749,415 |
| 2,99 | 1,11679 | 785,897 | 9,90375 | 769,207 | 8,65813 | 752,457 |
| 3,00 | 1,12466+6 | 789,069 | 9,97351+5 | 772,319 | 8,71981+5 | 755,509 |

Продолжение

M от 0,01 до 0,09

| M | H=3000 м | | H=4000 м | | H=5000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_d , Па | T_0 , К | ρ_d , Па | T_0 , К | ρ_d , Па | T_0 , К |
| 0,01 | 4,90770+0 | 268,655 | 4,31491+0 | 262,155 | 3,78148+0 | 255,655 |
| 0,02 | 1,96323+1 | 268,071 | 1,72609+1 | 262,171 | 1,51271+1 | 255,670 |
| 0,03 | 4,41782 | 268,698 | 3,88420 | 262,197 | 3,40401 | 255,696 |
| 0,04 | 7,85527 | 268,736 | 6,90645 | 262,234 | 6,05264 | 255,732 |
| 0,05 | 1,22766+2 | 268,784 | 1,07938+2 | 262,281 | 9,45938 | 255,778 |
| 0,06 | 1,76832 | 268,843 | 1,55473 | 262,339 | 1,30252+2 | 255,834 |
| 0,07 | 2,40766 | 268,913 | 2,11685 | 262,407 | 1,85515 | 255,901 |
| 0,08 | 3,14588 | 268,994 | 2,76590 | 262,486 | 2,42396 | 255,977 |
| 0,09 | 3,98320 | 269,085 | 3,50208 | 262,575 | 3,06913 | 256,064 |

М от 0,10 до 0,49

| М | H=3000 м | | H=4000 м | | H=5000 м | |
|------|------------|---------|------------|---------|------------|---------|
| | p_A , Па | T , К | p_A , Па | T , К | p_A , Па | T , К |
| 0,10 | 4,91986+2 | 269,187 | 4,32560+2 | 262,674 | 3,79085+2 | 256,161 |
| 0,11 | 5,95616 | 269,300 | 5,23673 | 262,784 | 4,58934 | 256,269 |
| 0,12 | 7,09239 | 269,424 | 6,23572 | 262,905 | 5,46483 | 256,386 |
| 0,13 | 8,32891 | 269,558 | 7,32288 | 263,036 | 6,41759 | 256,514 |
| 0,14 | 9,66608 | 269,703 | 8,49854 | 263,178 | 7,44791 | 256,652 |
| 0,15 | 1,11043+3 | 269,859 | 9,76305 | 263,330 | 8,55609 | 256,800 |
| 0,16 | 1,26440 | 270,025 | 1,11168+3 | 263,492 | 9,74246 | 256,959 |
| 0,17 | 1,42857 | 270,203 | 1,25501 | 263,665 | 1,10074+3 | 257,128 |
| 0,18 | 1,60298 | 270,391 | 1,40936 | 263,849 | 1,23513 | 257,307 |
| 0,19 | 1,78768 | 270,590 | 1,57175 | 264,043 | 1,37744 | 257,496 |
| | | | | | | |
| 0,20 | 1,98274+3 | 270,799 | 1,74325+3 | 264,247 | 1,52774+3 | 257,695 |
| 0,21 | 2,18821 | 271,019 | 1,92390 | 264,462 | 1,68606 | 257,905 |
| 0,22 | 2,40415 | 271,251 | 2,11376 | 264,688 | 1,85244 | 258,125 |
| 0,23 | 2,63063 | 271,492 | 2,31288 | 264,924 | 2,02695 | 258,355 |
| 0,24 | 2,86771 | 271,745 | 2,52132 | 265,170 | 2,20962 | 258,595 |
| 0,25 | 3,11546 | 272,008 | 2,73915 | 265,427 | 2,40053 | 258,846 |
| 0,26 | 3,37397 | 272,282 | 2,96644 | 265,694 | 2,59971 | 259,106 |
| 0,27 | 3,64331 | 272,567 | 3,20324 | 265,972 | 2,80724 | 259,377 |
| 0,28 | 3,92355 | 272,862 | 3,44963 | 266,261 | 3,02317 | 259,659 |
| 0,29 | 4,21478 | 273,169 | 3,70569 | 266,559 | 3,24757 | 259,950 |
| | | | | | | |
| 0,30 | 4,51710+3 | 273,486 | 3,97149+3 | 266,869 | 3,48051+3 | 260,252 |
| 0,31 | 4,83058 | 273,813 | 4,24711 | 267,189 | 3,72296 | 260,564 |
| 0,32 | 5,15533 | 274,152 | 4,53263 | 267,519 | 3,97228 | 260,886 |
| 0,33 | 5,49145 | 274,501 | 4,82815 | 267,860 | 4,23126 | 261,218 |
| 0,34 | 5,83902 | 274,861 | 5,13374 | 268,211 | 4,49908 | 261,561 |
| 0,35 | 6,19816 | 275,232 | 5,44950 | 268,573 | 4,77580 | 261,913 |
| 0,36 | 6,56898 | 275,613 | 5,77553 | 268,945 | 5,06152 | 262,276 |
| 0,37 | 6,95158 | 276,006 | 6,11191 | 269,328 | 5,35633 | 262,650 |
| 0,38 | 7,34608 | 276,409 | 6,45876 | 269,721 | 5,66030 | 263,033 |
| 0,39 | 7,75260 | 276,822 | 6,81618 | 270,125 | 5,97353 | 263,427 |
| | | | | | | |
| 0,40 | 8,17126+3 | 277,247 | 7,18427+3 | 270,539 | 6,29611+3 | 263,831 |
| 0,41 | 8,60219 | 277,682 | 7,56315 | 270,963 | 6,62815 | 264,245 |
| 0,42 | 9,04551 | 278,128 | 7,95292 | 271,399 | 6,96974 | 264,669 |
| 0,43 | 9,50136 | 278,585 | 8,35371 | 271,844 | 7,32098 | 265,104 |
| 0,44 | 9,96988 | 279,052 | 8,76564 | 272,300 | 7,68198 | 265,549 |
| 0,45 | 1,04512+4 | 279,530 | 9,18882 | 272,767 | 8,05285 | 266,004 |
| 0,46 | 1,09455 | 280,019 | 9,62339 | 273,244 | 8,43369 | 266,469 |
| 0,47 | 1,14528 | 280,519 | 1,00895+4 | 273,732 | 8,82463 | 266,945 |
| 0,48 | 1,19734 | 281,029 | 1,05272 | 274,230 | 9,22577 | 267,430 |
| 0,49 | 1,25075 | 281,551 | 1,09967 | 274,738 | 9,63725 | 267,926 |

Продолжение

M от 0,50 до 0,89

| M | H=3000 м | | H=4000 м | | H=5000 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_d , Па | T_0 , К | p_d , Па | T_0 , К | p_d , Па | T_0 , К |
| 0,50 | 1,30551+4 | 282,083 | 1,14782+4 | 275,258 | 1,00592+4 | 268,432 |
| 0,51 | 1,36164 | 282,625 | 1,19717 | 275,787 | 1,04917 | 268,949 |
| 0,52 | 1,41916 | 283,179 | 1,24774 | 276,327 | 1,09349 | 269,476 |
| 0,53 | 1,47809 | 283,743 | 1,29955 | 276,878 | 1,13889 | 270,012 |
| 0,54 | 1,53844 | 284,318 | 1,35261 | 277,439 | 1,18540 | 270,560 |
| 0,55 | 1,60023 | 284,903 | 1,40695 | 278,010 | 1,23301 | 271,117 |
| 0,56 | 1,66349 | 285,500 | 1,46256 | 278,592 | 1,28175 | 271,684 |
| 0,57 | 1,72823 | 286,107 | 1,51948 | 279,185 | 1,33163 | 272,262 |
| 0,58 | 1,79446 | 286,725 | 1,57771 | 279,787 | 1,38267 | 272,850 |
| 0,59 | 1,86222 | 287,353 | 1,63728 | 280,401 | 1,43487 | 273,448 |
| | | | | | | |
| 0,60 | 1,93151+4 | 287,993 | 1,69821+4 | 281,025 | 1,48827+4 | 274,057 |
| 0,61 | 2,00236 | 288,643 | 1,76050 | 281,659 | 1,54286 | 274,675 |
| 0,62 | 2,07480 | 289,304 | 1,82419 | 282,304 | 1,59867 | 275,304 |
| 0,63 | 2,14884 | 289,975 | 1,88928 | 282,959 | 1,65572 | 275,943 |
| 0,64 | 2,22450 | 290,658 | 1,95581 | 283,625 | 1,71402 | 276,593 |
| 0,65 | 2,30181 | 291,351 | 2,02378 | 284,302 | 1,77359 | 277,252 |
| 0,66 | 2,38079 | 292,055 | 2,09322 | 284,989 | 1,83445 | 277,922 |
| 0,67 | 2,46147 | 292,769 | 2,16415 | 285,686 | 1,89661 | 278,602 |
| 0,68 | 2,54386 | 293,495 | 2,23659 | 286,394 | 1,96009 | 279,293 |
| 0,69 | 2,62800 | 294,231 | 2,31057 | 287,112 | 2,02492 | 279,993 |
| | | | | | | |
| 0,70 | 2,71390+4 | 294,978 | 2,38610+4 | 287,841 | 2,09111+4 | 280,704 |
| 0,71 | 2,80160 | 295,735 | 2,46320 | 288,580 | 2,15869 | 281,425 |
| 0,72 | 2,89112 | 296,504 | 2,54191 | 289,330 | 2,22766 | 282,156 |
| 0,73 | 2,98248 | 297,283 | 2,62223 | 290,090 | 2,29806 | 282,897 |
| 0,74 | 3,07571 | 298,073 | 2,70421 | 290,861 | 2,36990 | 283,649 |
| 0,75 | 3,17085 | 298,873 | 2,78785 | 291,642 | 2,44320 | 284,411 |
| 0,76 | 3,26792 | 299,684 | 2,87319 | 292,431 | 2,51799 | 285,183 |
| 0,77 | 3,36694 | 300,507 | 2,96026 | 293,236 | 2,59429 | 285,965 |
| 0,78 | 3,46795 | 301,339 | 3,04907 | 294,048 | 2,67213 | 286,757 |
| 0,79 | 3,57098 | 302,183 | 3,13965 | 294,872 | 2,75151 | 287,560 |
| | | | | | | |
| 0,80 | 3,67606+4 | 303,037 | 3,23204+4 | 295,705 | 2,83247+4 | 288,373 |
| 0,81 | 3,78321 | 303,902 | 3,32625 | 296,549 | 2,91504 | 289,196 |
| 0,82 | 3,89248 | 304,778 | 3,42232 | 297,404 | 2,99923 | 290,030 |
| 0,83 | 4,00389 | 305,665 | 3,52027 | 298,269 | 3,08508 | 290,873 |
| 0,84 | 4,11748 | 306,562 | 3,62014 | 299,145 | 3,17260 | 291,727 |
| 0,85 | 4,23327 | 307,470 | 3,72194 | 300,031 | 3,26182 | 292,591 |
| 0,86 | 4,35131 | 308,389 | 3,82573 | 300,927 | 3,35277 | 293,466 |
| 0,87 | 4,47163 | 309,318 | 3,93151 | 301,834 | 3,44548 | 294,350 |
| 0,88 | 4,59426 | 310,258 | 4,03933 | 302,752 | 3,53997 | 295,245 |
| 0,89 | 4,71923 | 311,209 | 4,14921 | 303,680 | 3,63627 | 296,150 |

Продолжение

М от 0,90 до 1,29

| М | H=3000 м | | H=4000 м | | H=5000 м | |
|------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К |
| 0,90 | 4,84660+4 | 312,171 | 4,26120+4 | 304,618 | 3,73441+4 | 297,065 |
| 0,91 | 4,97640 | 313,143 | 4,37531 | 305,547 | 3,83441 | 297,991 |
| 0,92 | 5,10865 | 314,126 | 4,49160 | 306,527 | 3,93632 | 298,926 |
| 0,93 | 5,24341 | 315,120 | 4,61008 | 307,497 | 4,04015 | 299,872 |
| 0,94 | 5,38071 | 316,124 | 4,73079 | 308,477 | 4,14594 | 300,828 |
| 0,95 | 5,52059 | 317,140 | 4,85378 | 309,468 | 4,25372 | 301,795 |
| 0,96 | 5,66309 | 318,165 | 4,97907 | 310,469 | 4,36353 | 302,771 |
| 0,97 | 5,80826 | 319,202 | 5,10669 | 311,481 | 4,47538 | 303,758 |
| 0,98 | 5,95614 | 320,249 | 5,23670 | 312,503 | 4,58932 | 304,755 |
| 0,99 | 6,10676 | 321,307 | 5,36913 | 313,536 | 4,70538 | 305,763 |
| 1,00 | 6,26018+4 | 322,375 | 5,50402+4 | 314,579 | 4,82359+4 | 306,780 |
| 1,01 | 6,41642 | 323,454 | 5,64139 | 315,633 | 4,94397 | 307,808 |
| 1,02 | 6,57544 | 324,544 | 5,78120 | 316,697 | 5,06650 | 308,846 |
| 1,03 | 6,73720 | 325,644 | 5,92341 | 317,771 | 5,19113 | 309,894 |
| 1,04 | 6,90164 | 326,756 | 6,06799 | 318,856 | 5,31783 | 310,952 |
| 1,05 | 7,06871 | 327,877 | 6,21488 | 319,951 | 5,44656 | 312,021 |
| 1,06 | 7,23838 | 329,010 | 6,36405 | 321,056 | 5,57729 | 313,099 |
| 1,07 | 7,41061 | 330,153 | 6,51547 | 322,172 | 5,70999 | 314,188 |
| 1,08 | 7,58535 | 331,307 | 6,66911 | 323,299 | 5,84462 | 315,287 |
| 1,09 | 7,76258 | 332,471 | 6,82492 | 324,436 | 5,98118 | 316,396 |
| 1,10 | 7,94236+4 | 333,646 | 6,98289+4 | 325,583 | 6,11962+4 | 317,515 |
| 1,11 | 8,12436 | 334,831 | 7,14299 | 326,740 | 6,25992 | 318,645 |
| 1,12 | 8,30886 | 336,028 | 7,30520 | 327,908 | 6,40207 | 319,784 |
| 1,13 | 8,49571 | 337,235 | 7,46948 | 329,087 | 6,54604 | 320,934 |
| 1,14 | 8,68491 | 338,452 | 7,63582 | 330,275 | 6,69181 | 322,094 |
| 1,15 | 8,87643 | 339,680 | 7,80419 | 331,474 | 6,83936 | 323,264 |
| 1,16 | 9,07024 | 340,919 | 7,97458 | 332,684 | 6,98869 | 324,444 |
| 1,17 | 9,26632 | 342,168 | 8,14697 | 333,904 | 7,13976 | 325,634 |
| 1,18 | 9,46465 | 343,428 | 8,32134 | 335,134 | 7,29256 | 326,835 |
| 1,19 | 9,66522 | 344,699 | 8,49767 | 336,374 | 7,44709 | 328,045 |
| 1,20 | 9,86800+4 | 345,980 | 8,67595+4 | 337,625 | 7,60332+4 | 329,266 |
| 1,21 | 1,00730+5 | 347,271 | 8,85616 | 338,886 | 7,76125 | 330,496 |
| 1,22 | 1,02802 | 348,574 | 9,03829 | 340,158 | 7,92086 | 331,737 |
| 1,23 | 1,04895 | 349,887 | 9,22233 | 341,440 | 8,08213 | 332,988 |
| 1,24 | 1,07010 | 351,210 | 9,40826 | 342,732 | 8,24507 | 334,249 |
| 1,25 | 1,09147 | 352,544 | 9,59607 | 344,035 | 8,40965 | 335,520 |
| 1,26 | 1,11304 | 353,889 | 9,78575 | 345,348 | 8,57587 | 336,801 |
| 1,27 | 1,13483 | 355,244 | 9,97729 | 346,671 | 8,74372 | 338,093 |
| 1,28 | 1,15683 | 356,609 | 1,01707+5 | 348,005 | 8,91319 | 339,394 |
| 1,29 | 1,17903 | 357,986 | 1,03659 | 349,349 | 9,08427 | 340,706 |

Продолжение

М от 1,30 до 1,69

| М | H=3000 м | | H=4000 м | | H=5000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_a , Па | T_a , К | ρ_a , Па | T_a , К | ρ_a , Па | T_a , К |
| 1,30 | 1,20145+5 | 359,372 | 1,05630+5 | 350,703 | 9,25695+4 | 342,027 |
| 1,31 | 1,22407 | 360,770 | 1,07619 | 352,067 | 9,43123 | 343,359 |
| 1,32 | 1,24690 | 362,177 | 1,09626 | 353,442 | 9,60710 | 344,700 |
| 1,33 | 1,26993 | 363,596 | 1,11651 | 354,827 | 9,78458 | 346,052 |
| 1,34 | 1,29317 | 365,025 | 1,13694 | 356,223 | 9,96360 | 347,414 |
| 1,35 | 1,31661 | 366,464 | 1,15754 | 357,628 | 1,01442+5 | 348,786 |
| 1,36 | 1,34025 | 367,914 | 1,17833 | 359,044 | 1,03263 | 350,168 |
| 1,37 | 1,36410 | 369,374 | 1,19929 | 360,471 | 1,05101 | 351,560 |
| 1,38 | 1,38815 | 370,845 | 1,22044 | 361,907 | 1,06953 | 352,962 |
| 1,39 | 1,41240 | 372,327 | 1,24175 | 363,354 | 1,08821 | 354,374 |
| | | | | | | |
| 1,40 | 1,43684+5 | 373,818 | 1,26325+5 | 364,811 | 1,10705+5 | 355,796 |
| 1,41 | 1,46149 | 375,321 | 1,28491 | 366,278 | 1,12603 | 357,228 |
| 1,42 | 1,48634 | 376,833 | 1,30676 | 367,756 | 1,14517 | 358,670 |
| 1,43 | 1,51138 | 378,357 | 1,32877 | 369,243 | 1,16447 | 360,122 |
| 1,44 | 1,53662 | 379,890 | 1,35097 | 370,741 | 1,18391 | 361,584 |
| 1,45 | 1,56206 | 381,434 | 1,37333 | 372,249 | 1,20351 | 363,056 |
| 1,46 | 1,58770 | 382,989 | 1,39587 | 373,768 | 1,22326 | 364,539 |
| 1,47 | 1,61353 | 384,554 | 1,41858 | 375,296 | 1,24316 | 366,030 |
| 1,48 | 1,63956 | 386,129 | 1,44146 | 376,835 | 1,26321 | 367,532 |
| 1,49 | 1,66578 | 387,715 | 1,46451 | 378,384 | 1,28341 | 369,044 |
| | | | | | | |
| 1,50 | 1,69220+5 | 389,311 | 1,48773+5 | 379,943 | 1,30376+5 | 370,566 |
| 1,51 | 1,71881 | 390,918 | 1,51113 | 381,512 | 1,32426 | 372,097 |
| 1,52 | 1,74562 | 392,535 | 1,53469 | 383,092 | 1,34491 | 373,639 |
| 1,53 | 1,77262 | 394,162 | 1,55843 | 384,681 | 1,36571 | 375,191 |
| 1,54 | 1,79981 | 395,800 | 1,58234 | 386,281 | 1,38666 | 376,753 |
| 1,55 | 1,82719 | 397,448 | 1,60641 | 387,891 | 1,40776 | 378,324 |
| 1,56 | 1,85477 | 399,106 | 1,63065 | 389,511 | 1,42900 | 379,906 |
| 1,57 | 1,88254 | 400,775 | 1,65507 | 391,141 | 1,45039 | 381,497 |
| 1,58 | 1,91050 | 402,454 | 1,67965 | 392,781 | 1,47194 | 383,098 |
| 1,59 | 1,93866 | 404,143 | 1,70440 | 394,432 | 1,49362 | 384,710 |
| | | | | | | |
| 1,60 | 1,96700+5 | 405,843 | 1,72932+5 | 396,092 | 1,51546+5 | 386,331 |
| 1,61 | 1,99554 | 407,553 | 1,75441 | 397,763 | 1,53744 | 387,962 |
| 1,62 | 2,02427 | 409,273 | 1,77966 | 399,443 | 1,55957 | 389,602 |
| 1,63 | 2,05318 | 411,003 | 1,80508 | 401,134 | 1,58185 | 391,253 |
| 1,64 | 2,08229 | 412,744 | 1,83067 | 402,835 | 1,60427 | 392,914 |
| 1,65 | 2,11159 | 414,495 | 1,85643 | 404,546 | 1,62684 | 394,581 |
| 1,66 | 2,14108 | 416,256 | 1,88235 | 406,266 | 1,64956 | 396,264 |
| 1,67 | 2,17076 | 418,028 | 1,90844 | 407,997 | 1,67242 | 397,954 |
| 1,68 | 2,20062 | 419,809 | 1,93470 | 409,738 | 1,69542 | 399,654 |
| 1,69 | 2,23068 | 421,601 | 1,96112 | 411,489 | 1,71858 | 401,363 |

Продолжение

М от 1,70 до 2,09

| М | H=3000 м | | H=4000 м | | H=5000 м | |
|------|----------------------|------------------|----------------------|------------------|----------------------|------------------|
| | ρ_{Σ} , Па | T_{Σ} , К | ρ_{Σ} , Па | T_{Σ} , К | ρ_{Σ} , Па | T_{Σ} , К |
| 1,70 | 2,26093+5 | 423,403 | 1,98771+5 | 413,250 | 1,74188+5 | 403,083 |
| 1,71 | 2,29136 | 425,216 | 2,01446 | 415,021 | 1,76532 | 404,812 |
| 1,72 | 2,32199 | 427,038 | 2,04138 | 416,801 | 1,78891 | 406,551 |
| 1,73 | 2,35280 | 428,871 | 2,06847 | 418,592 | 1,81265 | 408,300 |
| 1,74 | 2,38380 | 430,713 | 2,09572 | 420,393 | 1,83653 | 410,058 |
| 1,75 | 2,41499 | 432,566 | 2,12314 | 422,204 | 1,86055 | 411,826 |
| 1,76 | 2,44636 | 434,429 | 2,15072 | 424,024 | 1,88472 | 413,604 |
| 1,77 | 2,47793 | 436,302 | 2,17847 | 425,855 | 1,90903 | 415,392 |
| 1,78 | 2,50968 | 438,186 | 2,20638 | 427,695 | 1,93349 | 417,189 |
| 1,79 | 2,54162 | 440,079 | 2,23446 | 429,545 | 1,95810 | 418,996 |
| 1,80 | 2,57375+5 | 441,982 | 2,26270+5 | 431,405 | 1,98284+5 | 420,813 |
| 1,81 | 2,60606 | 443,896 | 2,29111 | 433,275 | 2,00774 | 422,639 |
| 1,82 | 2,63857 | 445,819 | 2,31968 | 435,156 | 2,03277 | 424,475 |
| 1,83 | 2,67126 | 447,752 | 2,34842 | 437,045 | 2,05795 | 426,321 |
| 1,84 | 2,70413 | 449,696 | 2,37732 | 438,945 | 2,08328 | 428,176 |
| 1,85 | 2,73720 | 451,649 | 2,40639 | 440,854 | 2,10874 | 430,041 |
| 1,86 | 2,77045 | 453,613 | 2,43562 | 442,773 | 2,13436 | 431,915 |
| 1,87 | 2,80389 | 455,586 | 2,46501 | 444,702 | 2,16011 | 433,800 |
| 1,88 | 2,83751 | 457,570 | 2,49457 | 446,641 | 2,18601 | 435,693 |
| 1,89 | 2,87132 | 459,563 | 2,52429 | 448,589 | 2,21206 | 437,597 |
| 1,90 | 2,90532+5 | 461,566 | 2,55418+5 | 450,547 | 2,23824+5 | 439,509 |
| 1,91 | 2,93950 | 463,580 | 2,58423 | 452,515 | 2,26457 | 441,432 |
| 1,92 | 2,97387 | 465,603 | 2,61444 | 454,493 | 2,29105 | 443,364 |
| 1,93 | 3,00843 | 467,636 | 2,64482 | 456,480 | 2,31766 | 445,305 |
| 1,94 | 3,04317 | 469,678 | 2,67536 | 458,477 | 2,34442 | 447,256 |
| 1,95 | 3,07810 | 471,731 | 2,70606 | 460,484 | 2,37133 | 449,217 |
| 1,96 | 3,11321 | 473,794 | 2,73693 | 462,500 | 2,39837 | 451,183 |
| 1,97 | 3,14852 | 475,866 | 2,76796 | 464,527 | 2,42556 | 453,166 |
| 1,98 | 3,18400 | 477,948 | 2,79915 | 466,562 | 2,45290 | 455,155 |
| 1,99 | 3,21968 | 480,040 | 2,83051 | 468,607 | 2,48037 | 457,153 |
| 2,00 | 3,25553+5 | 482,142 | 2,86203+5 | 470,662 | 2,50799+5 | 459,161 |
| 2,01 | 3,29158 | 484,253 | 2,89372 | 472,727 | 2,53576 | 461,178 |
| 2,02 | 3,32781 | 486,374 | 2,92557 | 474,801 | 2,56366 | 463,204 |
| 2,03 | 3,36422 | 488,505 | 2,95758 | 476,884 | 2,59171 | 465,240 |
| 2,04 | 3,40083 | 490,646 | 2,98975 | 478,978 | 2,61990 | 467,285 |
| 2,05 | 3,43761 | 492,796 | 3,02209 | 481,080 | 2,64823 | 469,340 |
| 2,06 | 3,47459 | 494,956 | 3,05459 | 483,192 | 2,67671 | 471,404 |
| 2,07 | 3,51174 | 497,126 | 3,08725 | 485,314 | 2,70533 | 473,477 |
| 2,08 | 3,54909 | 499,305 | 3,12008 | 487,445 | 2,73409 | 475,560 |
| 2,09 | 3,58662 | 501,491 | 3,15307 | 489,586 | 2,76300 | 477,652 |

Продолжение

М от 2,10 до 2,49

| М | Н—3000 м | | Н—4000 м | | Н—5000 м | |
|------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 2,10 | 3,62433+5 | 503,693 | 3,18622+5 | 491,736 | 2,79204+5 | 479,753 |
| 2,11 | 3,66223 | 505,901 | 3,21953 | 493,896 | 2,82123 | 481,863 |
| 2,12 | 3,70032 | 508,119 | 3,25301 | 496,064 | 2,85057 | 483,983 |
| 2,13 | 3,73859 | 510,346 | 3,28665 | 498,242 | 2,88004 | 486,112 |
| 2,14 | 3,77704 | 512,583 | 3,32045 | 500,430 | 2,90966 | 488,250 |
| 2,15 | 3,81568 | 514,829 | 3,35442 | 502,627 | 2,93942 | 490,397 |
| 2,16 | 3,85451 | 517,085 | 3,38855 | 504,833 | 2,96932 | 492,554 |
| 2,17 | 3,89352 | 519,350 | 3,42284 | 507,049 | 2,99937 | 494,719 |
| 2,18 | 3,93272 | 521,625 | 3,45729 | 509,274 | 3,02956 | 496,894 |
| 2,19 | 3,97210 | 523,909 | 3,49191 | 511,508 | 3,05989 | 499,078 |
| | | | | | | |
| 2,20 | 4,01167+5 | 526,203 | 3,52669+5 | 513,752 | 3,09036+5 | 501,271 |
| 2,21 | 4,05142 | 528,506 | 3,56163 | 516,004 | 3,12098 | 503,473 |
| 2,22 | 4,09135 | 530,818 | 3,59674 | 518,266 | 3,15173 | 505,684 |
| 2,23 | 4,13148 | 533,140 | 3,63201 | 520,538 | 3,18263 | 507,904 |
| 2,24 | 4,17178 | 535,471 | 3,66744 | 522,818 | 3,21368 | 510,134 |
| 2,25 | 4,21228 | 537,812 | 3,70303 | 525,108 | 3,24486 | 512,372 |
| 2,26 | 4,25295 | 540,162 | 3,73878 | 527,406 | 3,27619 | 514,619 |
| 2,27 | 4,29382 | 542,521 | 3,77470 | 529,714 | 3,30766 | 516,876 |
| 2,28 | 4,33486 | 544,889 | 3,81078 | 532,032 | 3,33927 | 519,141 |
| 2,29 | 4,37610 | 547,267 | 3,84703 | 534,358 | 3,37103 | 521,415 |
| | | | | | | |
| 2,30 | 4,41751+5 | 549,654 | 3,88343+5 | 536,693 | 3,40292+5 | 523,698 |
| 2,31 | 4,45912 | 552,050 | 3,92000 | 539,037 | 3,43496 | 525,990 |
| 2,32 | 4,50090 | 554,456 | 3,95673 | 541,391 | 3,46715 | 528,292 |
| 2,33 | 4,54288 | 556,870 | 3,99362 | 543,753 | 3,49947 | 530,601 |
| 2,34 | 4,58503 | 559,294 | 4,03068 | 546,125 | 3,53194 | 532,920 |
| 2,35 | 4,62738 | 561,727 | 4,06790 | 548,505 | 3,56455 | 535,248 |
| 2,36 | 4,66991 | 564,169 | 4,10528 | 550,895 | 3,59730 | 537,584 |
| 2,37 | 4,71262 | 566,620 | 4,14282 | 553,293 | 3,63019 | 539,930 |
| 2,38 | 4,75552 | 569,080 | 4,18053 | 555,701 | 3,66323 | 542,284 |
| 2,39 | 4,79860 | 571,550 | 4,21840 | 558,117 | 3,69640 | 544,647 |
| | | | | | | |
| 2,40 | 4,84187+5 | 574,028 | 4,25643+5 | 560,542 | 3,72973+5 | 547,019 |
| 2,41 | 4,88532 | 576,516 | 4,29462 | 562,977 | 3,76319 | 549,399 |
| 2,42 | 4,92896 | 579,012 | 4,33298 | 565,420 | 3,79679 | 551,788 |
| 2,43 | 4,97278 | 581,518 | 4,37150 | 567,872 | 3,83054 | 554,186 |
| 2,44 | 5,01679 | 584,032 | 4,41018 | 570,332 | 3,86443 | 556,593 |
| 2,45 | 5,06098 | 586,556 | 4,44902 | 572,802 | 3,89846 | 559,008 |
| 2,46 | 5,10536 | 589,088 | 4,48803 | 575,280 | 3,93264 | 561,432 |
| 2,47 | 5,14992 | 591,629 | 4,52720 | 577,767 | 3,96696 | 563,865 |
| 2,48 | 5,19467 | 594,180 | 4,56653 | 580,263 | 4,00141 | 566,306 |
| 2,49 | 5,23960 | 596,739 | 4,60602 | 582,768 | 4,03602 | 568,756 |

М от 2,50 до 2,89

| М | H—3000 м | | H—4000 м | | H—5000 м | |
|------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К |
| 2,50 | 5,28472+5 | 599,307 | 4,64568+5 | 585,282 | 4,07076+5 | 571,214 |
| 2,51 | 5,33002 | 601,884 | 4,68550 | 587,804 | 4,10565 | 573,681 |
| 2,52 | 5,37551 | 604,470 | 4,72548 | 590,335 | 4,14068 | 576,157 |
| 2,53 | 5,42118 | 607,064 | 4,76563 | 592,874 | 4,17585 | 578,641 |
| 2,54 | 5,46704 | 609,667 | 4,80593 | 595,422 | 4,21116 | 581,133 |
| 2,55 | 5,51308 | 612,280 | 4,84640 | 597,979 | 4,24662 | 583,634 |
| 2,56 | 5,55931 | 614,901 | 4,88703 | 600,545 | 4,28222 | 586,144 |
| 2,57 | 5,60572 | 617,530 | 4,92783 | 603,119 | 4,31796 | 588,662 |
| 2,58 | 5,65232 | 620,169 | 4,96879 | 605,701 | 4,35381 | 591,189 |
| 2,59 | 5,69910 | 622,816 | 5,00991 | 608,293 | 4,38987 | 593,724 |
| | | | | | | |
| 2,60 | 5,74607+5 | 625,472 | 5,05119+5 | 610,892 | 4,42603+5 | 596,267 |
| 2,61 | 5,79323 | 628,136 | 5,09263 | 613,501 | 4,46235 | 598,819 |
| 2,62 | 5,84057 | 630,809 | 5,13424 | 616,118 | 4,49880 | 601,379 |
| 2,63 | 5,88809 | 633,491 | 5,17601 | 618,743 | 4,53539 | 603,947 |
| 2,64 | 5,93580 | 636,181 | 5,21795 | 621,377 | 4,57213 | 606,524 |
| 2,65 | 5,98369 | 638,880 | 5,26004 | 624,019 | 4,60901 | 609,109 |
| 2,66 | 6,03177 | 641,588 | 5,30230 | 626,670 | 4,64604 | 611,703 |
| 2,67 | 6,08004 | 644,304 | 5,34472 | 629,329 | 4,68320 | 614,305 |
| 2,68 | 6,12849 | 647,029 | 5,38731 | 631,997 | 4,72051 | 616,915 |
| 2,69 | 6,17712 | 649,762 | 5,43006 | 634,673 | 4,75796 | 619,533 |
| | | | | | | |
| 2,70 | 6,22594+5 | 652,504 | 5,47297+5 | 637,357 | 4,79555+5 | 622,160 |
| 2,71 | 6,27495 | 655,254 | 5,51604 | 640,050 | 4,83329 | 624,795 |
| 2,72 | 6,32414 | 658,013 | 5,55927 | 642,751 | 4,87117 | 627,438 |
| 2,73 | 6,37351 | 660,780 | 5,60267 | 645,460 | 4,90919 | 630,089 |
| 2,74 | 6,42308 | 663,556 | 5,64623 | 648,178 | 4,94735 | 632,748 |
| 2,75 | 6,47282 | 666,340 | 5,68996 | 650,904 | 4,98566 | 635,416 |
| 2,76 | 6,52275 | 669,132 | 5,73384 | 653,639 | 5,02411 | 638,091 |
| 2,77 | 6,57287 | 671,933 | 5,77783 | 656,381 | 5,06270 | 640,775 |
| 2,78 | 6,62317 | 674,743 | 5,82211 | 659,132 | 5,10143 | 643,467 |
| 2,79 | 6,67366 | 677,560 | 5,86648 | 661,891 | 5,14031 | 646,167 |
| | | | | | | |
| 2,80 | 6,72434+5 | 680,387 | 5,91102+5 | 664,658 | 5,17933+5 | 648,875 |
| 2,81 | 6,77519 | 683,221 | 5,95572 | 667,434 | 5,21849 | 651,591 |
| 2,82 | 6,82624 | 686,064 | 6,00068 | 670,217 | 5,25780 | 654,315 |
| 2,83 | 6,87747 | 688,915 | 6,04561 | 673,009 | 5,29724 | 657,048 |
| 2,84 | 6,92888 | 691,774 | 6,09080 | 675,809 | 5,33683 | 659,788 |
| 2,85 | 6,98048 | 694,641 | 6,13615 | 678,617 | 5,37657 | 662,536 |
| 2,86 | 7,03227 | 697,517 | 6,18167 | 681,434 | 5,41644 | 665,292 |
| 2,87 | 7,08424 | 700,401 | 6,22735 | 684,258 | 5,45646 | 668,056 |
| 2,88 | 7,13640 | 703,294 | 6,27319 | 687,090 | 5,49662 | 670,829 |
| 2,89 | 7,18874 | 706,194 | 6,31919 | 689,931 | 5,53692 | 673,609 |

Продолжение

М от 2,90 до 3,00

| М | H=3000 м | | H=4000 м | | H=5000 м | |
|------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|
| | $\rho_{\text{Л}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{Л}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{Л}}$, Па | $T_{\text{ст}}$, К |
| 2,90 | 7,24127+5 | 709,103 | 6,36536+5 | 692,779 | 5,57737+5 | 676,397 |
| 2,91 | 7,29398 | 712,020 | 6,41169 | 695,636 | 5,61796 | 679,192 |
| 2,92 | 7,34688 | 714,945 | 6,45819 | 698,500 | 5,65869 | 681,996 |
| 2,93 | 7,39996 | 717,878 | 6,50484 | 701,373 | 5,69957 | 684,808 |
| 2,94 | 7,45323 | 720,819 | 6,55166 | 704,254 | 5,74058 | 687,627 |
| 2,95 | 7,50669 | 723,769 | 6,59865 | 707,142 | 5,78174 | 690,455 |
| 2,96 | 7,56033 | 726,726 | 6,64579 | 710,039 | 5,82305 | 693,290 |
| 2,97 | 7,61416 | 729,692 | 6,69310 | 712,943 | 5,86449 | 696,133 |
| 2,98 | 7,66817 | 732,666 | 6,74057 | 715,856 | 5,90608 | 698,984 |
| 2,99 | 7,72237 | 735,648 | 6,78821 | 718,776 | 5,94782 | 701,842 |
| 3,00 | 7,77675+5 | 738,637 | 6,83601+5 | 721,704 | 5,98969+5 | 704,708 |

Продолжение

М от 0,01 до 0,19

| М | H=6000 м | | H=7000 м | | H=8000 м | |
|------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|
| | $\rho_{\text{Л}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{Л}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{Л}}$, Па | $T_{\text{ст}}$, К |
| 0,01 | 3,30275+0 | 249,155 | 2,87432+0 | 242,655 | 2,49204+0 | 236,155 |
| 0,02 | 1,32120+1 | 249,170 | 1,14981+1 | 242,669 | 9,96889 | 236,169 |
| 0,03 | 2,97307 | 249,195 | 2,58740 | 242,694 | 2,24328+1 | 236,193 |
| 0,04 | 5,28638 | 249,230 | 4,60063 | 242,728 | 3,98875 | 236,226 |
| 0,05 | 8,26182 | 249,275 | 7,19010 | 242,771 | 6,23383 | 236,268 |
| 0,06 | 1,19003+2 | 249,329 | 1,03566+2 | 242,825 | 8,97919 | 236,320 |
| 0,07 | 1,62029 | 249,394 | 1,41011 | 242,888 | 1,22256+2 | 236,381 |
| 0,08 | 2,11709 | 249,469 | 1,84246 | 242,961 | 1,59742 | 236,452 |
| 0,09 | 2,68058 | 249,554 | 2,33286 | 243,043 | 2,02259 | 236,533 |
| 0,10 | 3,31093+2 | 249,648 | 2,88144+2 | 243,135 | 2,49821+2 | 236,622 |
| 0,11 | 4,00833 | 249,753 | 3,48837 | 243,237 | 3,02442 | 236,721 |
| 0,12 | 4,77298 | 249,868 | 4,15383 | 243,349 | 3,60138 | 236,830 |
| 0,13 | 5,60512 | 249,992 | 4,87803 | 243,470 | 4,22926 | 236,948 |
| 0,14 | 6,50500 | 250,127 | 5,66118 | 243,601 | 4,90825 | 237,076 |
| 0,15 | 7,47289 | 250,271 | 6,50351 | 243,742 | 5,63855 | 237,213 |
| 0,16 | 8,50907 | 250,426 | 7,40528 | 243,892 | 6,42039 | 237,359 |
| 0,17 | 9,61386 | 250,590 | 8,36676 | 244,053 | 7,25399 | 237,515 |
| 0,18 | 1,07876+3 | 250,764 | 9,38823 | 244,222 | 8,13961 | 237,680 |
| 0,19 | 1,20306 | 250,949 | 1,04700+3 | 244,402 | 9,07751 | 237,855 |

Продолжение

М от 0,20 до 0,59

| М | H=4000 м | | H=7000 м | | H=8000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_d , Па | T_d , К | ρ_d , Па | T_d , К | ρ_d , Па | T_d , К |
| 0,20 | 1,33433 +3 | 251,143 | 1,16124 +3 | 244,591 | 1,00680 +3 | 238,039 |
| 0,21 | 1,47260 | 251,348 | 1,28158 | 244,790 | 1,11113 | 238,233 |
| 0,22 | 1,61793 | 251,562 | 1,40805 | 244,999 | 1,22078 | 238,436 |
| 0,23 | 1,77034 | 251,786 | 1,54069 | 245,217 | 1,33578 | 238,648 |
| 0,24 | 1,92989 | 252,020 | 1,67954 | 245,445 | 1,45617 | 238,870 |
| 0,25 | 2,09662 | 252,264 | 1,82465 | 245,683 | 1,58197 | 239,102 |
| 0,26 | 2,27059 | 252,519 | 1,97605 | 245,931 | 1,71324 | 239,343 |
| 0,27 | 2,45181 | 252,783 | 2,13379 | 246,188 | 1,85000 | 239,593 |
| 0,28 | 2,64044 | 253,057 | 2,29792 | 246,455 | 1,99230 | 239,853 |
| 0,29 | 2,83643 | 253,341 | 2,46849 | 246,731 | 2,14019 | 240,122 |
| | | | | | | |
| 0,30 | 3,03988 +3 | 253,635 | 2,64555 +3 | 247,018 | 2,29370 +3 | 240,401 |
| 0,31 | 3,25085 | 253,939 | 2,82915 | 247,314 | 2,45288 | 240,689 |
| 0,32 | 3,46939 | 254,253 | 3,01935 | 247,619 | 2,61778 | 240,986 |
| 0,33 | 3,69559 | 254,576 | 3,21620 | 247,935 | 2,78845 | 241,293 |
| 0,34 | 3,92950 | 254,910 | 3,41976 | 248,260 | 2,96494 | 241,610 |
| 0,35 | 4,17119 | 255,254 | 3,63010 | 248,595 | 3,14731 | 241,936 |
| 0,36 | 4,42074 | 255,608 | 3,84728 | 248,939 | 3,33560 | 242,271 |
| 0,37 | 4,67822 | 255,972 | 4,07136 | 249,294 | 3,52988 | 242,616 |
| 0,38 | 4,94371 | 256,345 | 4,30241 | 249,658 | 3,73020 | 242,970 |
| 0,39 | 5,21728 | 256,729 | 4,54050 | 250,031 | 3,93662 | 243,334 |
| | | | | | | |
| 0,40 | 5,49903 +3 | 257,123 | 4,78570 +3 | 250,415 | 4,14921 +3 | 243,707 |
| 0,41 | 5,78903 | 257,526 | 5,03808 | 250,808 | 4,36822 | 244,089 |
| 0,42 | 6,08737 | 257,940 | 5,29772 | 251,211 | 4,59313 | 244,481 |
| 0,43 | 6,39415 | 258,364 | 5,56470 | 251,623 | 4,82451 | 244,883 |
| 0,44 | 6,70945 | 258,797 | 5,83910 | 252,045 | 5,06251 | 245,294 |
| 0,45 | 7,03336 | 259,241 | 6,12100 | 252,477 | 5,30691 | 245,714 |
| 0,46 | 7,36599 | 259,694 | 6,41048 | 252,919 | 5,55789 | 246,144 |
| 0,47 | 7,70743 | 260,157 | 6,70763 | 253,370 | 5,81553 | 246,583 |
| 0,48 | 8,05779 | 260,631 | 7,01254 | 253,831 | 6,07988 | 247,032 |
| 0,49 | 8,41717 | 261,114 | 7,32530 | 254,302 | 6,35105 | 247,490 |
| | | | | | | |
| 0,50 | 8,78568 +3 | 261,608 | 7,64601 +3 | 254,782 | 6,62910 +3 | 247,958 |
| 0,51 | 9,16343 | 262,111 | 7,97476 | 255,273 | 6,91413 | 248,435 |
| 0,52 | 9,55053 | 262,624 | 8,31154 | 255,773 | 7,20621 | 248,921 |
| 0,53 | 9,94710 | 263,147 | 8,65677 | 256,282 | 7,50543 | 249,417 |
| 0,54 | 1,03593 +4 | 263,680 | 9,01024 | 256,801 | 7,81189 | 249,922 |
| 0,55 | 1,07691 | 264,224 | 9,37216 | 257,330 | 8,12558 | 250,437 |
| 0,56 | 1,11918 | 264,777 | 9,74263 | 257,869 | 8,44688 | 250,961 |
| 0,57 | 1,16305 | 265,340 | 1,01318 +4 | 258,417 | 8,77560 | 251,495 |
| 0,58 | 1,20762 | 265,913 | 1,05097 | 258,975 | 9,11193 | 252,038 |
| 0,59 | 1,25322 | 266,496 | 1,09065 | 259,543 | 9,45597 | 252,591 |

Продолжение

М от 0,60 до 0,99

| М | H=5000 м | | H=7000 м | | H=8000 м | |
|------|---------------|--------------|---------------|--------------|---------------|--------------|
| | $p_{ст}$, Па | $T_{ст}$, К | $p_{ст}$, Па | $T_{ст}$, К | $p_{ст}$, Па | $T_{ст}$, К |
| 0,60 | 1,29985+4 | 267,089 | 1,13124+4 | 260,121 | 9,80784+3 | 253,153 |
| 0,61 | 1,31754 | 267,692 | 1,17273 | 260,708 | 1,01676+4 | 253,724 |
| 0,62 | 1,33628 | 268,305 | 1,21516 | 261,305 | 1,05354 | 254,305 |
| 0,63 | 1,44611 | 268,928 | 1,25852 | 261,912 | 1,09114 | 254,896 |
| 0,64 | 1,49703 | 269,560 | 1,30283 | 262,528 | 1,12956 | 255,495 |
| 0,65 | 1,54905 | 270,203 | 1,34811 | 263,154 | 1,16882 | 256,105 |
| 0,66 | 1,60221 | 270,856 | 1,39437 | 263,790 | 1,20892 | 256,723 |
| 0,67 | 1,65650 | 271,519 | 1,44162 | 264,435 | 1,24989 | 257,352 |
| 0,68 | 1,71195 | 272,191 | 1,48987 | 265,090 | 1,29172 | 257,989 |
| 0,69 | 1,76857 | 272,874 | 1,53915 | 265,755 | 1,33445 | 258,636 |
| | | | | | | |
| 0,70 | 1,82638+4 | 273,567 | 1,58946+4 | 266,430 | 1,37807+4 | 259,293 |
| 0,71 | 1,88540 | 274,269 | 1,64083 | 267,114 | 1,42260 | 259,959 |
| 0,72 | 1,94564 | 274,982 | 1,69325 | 267,808 | 1,46805 | 260,634 |
| 0,73 | 2,00712 | 275,704 | 1,74676 | 268,512 | 1,51444 | 261,319 |
| 0,74 | 2,06987 | 276,437 | 1,80137 | 269,225 | 1,56179 | 262,013 |
| 0,75 | 2,13389 | 277,179 | 1,85709 | 269,948 | 1,61010 | 262,717 |
| 0,76 | 2,19922 | 277,932 | 1,91394 | 270,681 | 1,65939 | 263,430 |
| 0,77 | 2,26586 | 278,694 | 1,97193 | 271,423 | 1,70967 | 264,153 |
| 0,78 | 2,33384 | 279,467 | 2,03109 | 272,176 | 1,76096 | 264,885 |
| 0,79 | 2,40317 | 280,249 | 2,09143 | 272,938 | 1,81328 | 265,626 |
| | | | | | | |
| 0,80 | 2,47388+4 | 281,041 | 2,15297+4 | 273,709 | 1,86663+4 | 266,377 |
| 0,81 | 2,54600 | 281,843 | 2,21573 | 274,491 | 1,92104 | 267,138 |
| 0,82 | 2,61953 | 282,656 | 2,27973 | 275,282 | 1,97653 | 267,907 |
| 0,83 | 2,69451 | 283,478 | 2,34498 | 276,082 | 2,03310 | 268,687 |
| 0,84 | 2,77095 | 284,310 | 2,41150 | 276,893 | 2,09077 | 269,475 |
| 0,85 | 2,84887 | 285,152 | 2,47932 | 277,713 | 2,14957 | 270,274 |
| 0,86 | 2,92831 | 286,004 | 2,54845 | 278,543 | 2,20951 | 271,081 |
| 0,87 | 3,00928 | 286,866 | 2,61892 | 279,382 | 2,27061 | 271,898 |
| 0,88 | 3,09181 | 287,738 | 2,69074 | 280,232 | 2,33288 | 272,725 |
| 0,89 | 3,17592 | 288,620 | 2,76394 | 281,091 | 2,39634 | 273,561 |
| | | | | | | |
| 0,90 | 3,26163+4 | 289,512 | 2,83854+4 | 281,959 | 2,46101+4 | 274,406 |
| 0,91 | 3,34898 | 290,414 | 2,91455 | 282,838 | 2,52692 | 275,261 |
| 0,92 | 3,43798 | 291,326 | 2,99201 | 283,726 | 2,59408 | 276,125 |
| 0,93 | 3,52867 | 292,248 | 3,07093 | 284,624 | 2,66250 | 276,999 |
| 0,94 | 3,62107 | 293,180 | 3,15135 | 285,531 | 2,73222 | 277,882 |
| 0,95 | 3,71520 | 294,122 | 3,23327 | 286,448 | 2,80325 | 278,775 |
| 0,96 | 3,81110 | 295,073 | 3,31673 | 287,375 | 2,87561 | 279,677 |
| 0,97 | 3,90880 | 296,035 | 3,40175 | 288,312 | 2,94932 | 280,589 |
| 0,98 | 4,00831 | 297,007 | 3,48836 | 289,258 | 3,02441 | 281,510 |
| 0,99 | 4,10968 | 297,988 | 3,57657 | 290,214 | 3,10089 | 282,440 |

М от 1,00 до 1,39

| М | H—6000 м | | H—7000 м | | H—8000 м | |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | $P_{\text{д}}$, Па | $T_{\text{ст}}$, К | $P_{\text{д}}$, Па | $T_{\text{ст}}$, К | $P_{\text{д}}$, Па | $T_{\text{ст}}$, К |
| 1,00 | 4,21292+4 | 298,980 | 3,65642+4 | 291,180 | 3,17889+4 | 283,380 |
| 1,01 | 4,31807 | 299,982 | 3,75793 | 292,155 | 3,25813 | 284,329 |
| 1,02 | 4,42508 | 300,993 | 3,85106 | 293,141 | 3,33888 | 285,288 |
| 1,03 | 4,53394 | 302,015 | 3,94580 | 294,135 | 3,42101 | 286,256 |
| 1,04 | 4,64460 | 303,046 | 4,04210 | 295,140 | 3,50451 | 287,234 |
| 1,05 | 4,75703 | 304,088 | 4,13995 | 296,154 | 3,58934 | 288,221 |
| 1,06 | 4,87121 | 305,139 | 4,23932 | 297,178 | 3,67550 | 289,218 |
| 1,07 | 4,98711 | 306,200 | 4,34018 | 298,212 | 3,76295 | 290,224 |
| 1,08 | 5,10470 | 307,272 | 4,44252 | 299,255 | 3,85167 | 291,239 |
| 1,09 | 5,22397 | 308,353 | 4,54632 | 300,308 | 3,94166 | 292,264 |
| | | | | | | |
| 1,10 | 5,34487+4 | 309,444 | 4,65154+4 | 301,371 | 4,03290+4 | 293,298 |
| 1,11 | 5,46742 | 310,545 | 4,75819 | 302,444 | 4,12536 | 294,342 |
| 1,12 | 5,59157 | 311,657 | 4,85624 | 303,526 | 4,21903 | 295,395 |
| 1,13 | 5,71731 | 312,778 | 4,95567 | 304,618 | 4,31391 | 296,458 |
| 1,14 | 5,84462 | 313,908 | 5,05647 | 305,720 | 4,40997 | 297,530 |
| 1,15 | 5,97349 | 315,049 | 5,15852 | 306,831 | 4,50721 | 298,612 |
| 1,16 | 6,10391 | 316,200 | 5,26121 | 307,952 | 4,60561 | 299,703 |
| 1,17 | 6,23585 | 317,350 | 5,36595 | 309,083 | 4,70517 | 300,803 |
| 1,18 | 6,36931 | 318,531 | 5,47309 | 310,223 | 4,80587 | 301,913 |
| 1,19 | 6,50427 | 319,711 | 5,58054 | 311,373 | 4,90770 | 303,032 |
| | | | | | | |
| 1,20 | 6,64072+4 | 320,901 | 5,77929+4 | 312,533 | 5,01066+4 | 304,151 |
| 1,21 | 6,77865 | 322,101 | 5,88932 | 313,702 | 5,11473 | 305,299 |
| 1,22 | 6,91805 | 323,311 | 6,00064 | 314,881 | 5,21990 | 306,447 |
| 1,23 | 7,05890 | 324,531 | 6,11422 | 316,070 | 5,32618 | 307,604 |
| 1,24 | 7,20121 | 325,761 | 6,26706 | 317,268 | 5,43355 | 308,771 |
| 1,25 | 7,34495 | 327,000 | 6,39215 | 318,476 | 5,54200 | 309,947 |
| 1,26 | 7,49012 | 328,250 | 6,51849 | 319,693 | 5,65153 | 311,132 |
| 1,27 | 7,63671 | 329,509 | 6,64606 | 320,920 | 5,76214 | 312,327 |
| 1,28 | 7,78472 | 330,778 | 6,77486 | 322,157 | 5,87381 | 313,531 |
| 1,29 | 7,93413 | 332,057 | 6,90489 | 323,403 | 5,98654 | 314,745 |
| | | | | | | |
| 1,30 | 8,08494+4 | 333,346 | 7,03613+4 | 324,659 | 6,10033+4 | 315,967 |
| 1,31 | 8,23715 | 334,644 | 7,16859 | 325,924 | 6,21517 | 317,200 |
| 1,32 | 8,39074 | 335,953 | 7,30225 | 327,199 | 6,33105 | 318,441 |
| 1,33 | 8,54571 | 337,271 | 7,43711 | 328,481 | 6,44797 | 319,692 |
| 1,34 | 8,70206 | 338,599 | 7,57317 | 329,778 | 6,56593 | 320,952 |
| 1,35 | 8,85977 | 339,937 | 7,71042 | 331,082 | 6,68492 | 322,222 |
| 1,36 | 9,01885 | 341,285 | 7,84886 | 332,395 | 6,80491 | 323,501 |
| 1,37 | 9,17929 | 342,642 | 7,98847 | 333,718 | 6,92598 | 324,789 |
| 1,38 | 9,34112 | 344,009 | 8,12927 | 335,051 | 7,04805 | 326,087 |
| 1,39 | 9,50426 | 345,385 | 8,27124 | 336,393 | 7,17113 | 327,394 |

Продолжение

М от 1,40 до 1,79

| М | H—5000 м | | H—7000 м | | H—8000 м | |
|------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| | $P_{д\text{, Па}}$ | $T_{ст\text{, К}}$ | $P_{д\text{, Па}}$ | $T_{ст\text{, К}}$ | $P_{д\text{, Па}}$ | $T_{ст\text{, К}}$ |
| 1,40 | 9,66874+4 | 346,773 | 8,41438+4 | 337,715 | 7,29522+4 | 328,710 |
| 1,41 | 9,83457 | 348,170 | 8,55868 | 339,106 | 7,42033 | 330,095 |
| 1,42 | 1,00017+5 | 349,576 | 8,70415 | 340,477 | 7,54644 | 331,370 |
| 1,43 | 1,01702 | 350,993 | 8,85078 | 341,857 | 7,67356 | 332,715 |
| 1,44 | 1,03401 | 352,419 | 8,99859 | 343,247 | 7,80168 | 334,068 |
| 1,45 | 1,05112 | 353,854 | 9,14753 | 344,646 | 7,93080 | 335,431 |
| 1,46 | 1,06837 | 355,300 | 9,29762 | 346,055 | 8,06092 | 336,803 |
| 1,47 | 1,08575 | 356,755 | 9,44885 | 347,473 | 8,19203 | 338,184 |
| 1,48 | 1,10326 | 358,220 | 9,60123 | 348,901 | 8,32413 | 339,575 |
| 1,49 | 1,12090 | 359,695 | 9,75475 | 350,339 | 8,45725 | 340,975 |
| | | | | | | |
| 1,50 | 1,13867+5 | 361,180 | 9,90941+4 | 351,785 | 8,59133+4 | 342,381 |
| 1,51 | 1,15658 | 362,674 | 1,00652+5 | 353,242 | 8,72640 | 343,803 |
| 1,52 | 1,17461 | 364,178 | 1,02221 | 354,708 | 8,86245 | 345,230 |
| 1,53 | 1,19277 | 365,691 | 1,03802 | 356,183 | 8,99948 | 346,668 |
| 1,54 | 1,21107 | 367,215 | 1,05394 | 357,668 | 9,13749 | 348,114 |
| 1,55 | 1,22949 | 368,748 | 1,06997 | 359,163 | 9,27648 | 349,569 |
| 1,56 | 1,24805 | 370,291 | 1,08612 | 360,667 | 9,41645 | 351,034 |
| 1,57 | 1,26673 | 371,843 | 1,10238 | 362,180 | 9,55739 | 352,508 |
| 1,58 | 1,28554 | 373,405 | 1,11875 | 363,703 | 9,69930 | 353,991 |
| 1,59 | 1,30448 | 374,977 | 1,13523 | 365,235 | 9,84219 | 355,484 |
| | | | | | | |
| 1,60 | 1,32355+5 | 376,559 | 1,15182+5 | 366,777 | 9,98605+4 | 356,986 |
| 1,61 | 1,34275 | 378,150 | 1,16853 | 368,328 | 1,01309+5 | 358,497 |
| 1,62 | 1,36207 | 379,750 | 1,18534 | 369,888 | 1,02767 | 360,017 |
| 1,63 | 1,38153 | 381,361 | 1,20227 | 371,458 | 1,04241 | 361,546 |
| 1,64 | 1,40111 | 382,981 | 1,21931 | 373,038 | 1,05711 | 363,085 |
| 1,65 | 1,42082 | 384,611 | 1,23646 | 374,627 | 1,07198 | 364,632 |
| 1,66 | 1,44066 | 386,250 | 1,25373 | 376,225 | 1,08696 | 366,189 |
| 1,67 | 1,46062 | 387,899 | 1,27110 | 377,832 | 1,10201 | 367,755 |
| 1,68 | 1,48071 | 389,557 | 1,28858 | 379,449 | 1,11717 | 369,331 |
| 1,69 | 1,50093 | 391,225 | 1,30618 | 381,076 | 1,13242 | 370,915 |
| | | | | | | |
| 1,70 | 1,52128+5 | 392,903 | 1,32388+5 | 382,711 | 1,14777+5 | 372,509 |
| 1,71 | 1,54175 | 394,590 | 1,34170 | 384,357 | 1,16321 | 374,111 |
| 1,72 | 1,56235 | 396,287 | 1,35963 | 386,011 | 1,17875 | 375,723 |
| 1,73 | 1,58308 | 397,993 | 1,37766 | 387,675 | 1,19439 | 377,344 |
| 1,74 | 1,60394 | 399,709 | 1,39581 | 389,348 | 1,21012 | 378,974 |
| 1,75 | 1,62492 | 401,435 | 1,41407 | 391,030 | 1,22595 | 380,614 |
| 1,76 | 1,64602 | 403,170 | 1,43243 | 392,722 | 1,24187 | 382,262 |
| 1,77 | 1,66726 | 404,914 | 1,45091 | 394,423 | 1,25789 | 383,919 |
| 1,78 | 1,68862 | 406,668 | 1,46950 | 396,134 | 1,27400 | 385,586 |
| 1,79 | 1,71010 | 408,432 | 1,48819 | 397,853 | 1,29021 | 387,262 |

М от 1,80 до 2,19

| М | H=000 м | | H=1000 м | | H=8000 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_A , Па | T_a , К | p_A , Па | T_a , К | p_A , Па | T_a , К |
| 1,80 | 1,73171+5 | 410,205 | 1,50700+5 | 399,582 | 1,30651+5 | 388,946 |
| 1,81 | 1,75345 | 411,987 | 1,52591 | 401,320 | 1,32291 | 390,640 |
| 1,82 | 1,77531 | 413,779 | 1,54494 | 403,068 | 1,33940 | 392,343 |
| 1,83 | 1,79730 | 415,580 | 1,56407 | 404,825 | 1,35599 | 394,055 |
| 1,84 | 1,81942 | 417,391 | 1,58332 | 406,591 | 1,37267 | 395,776 |
| 1,85 | 1,84166 | 419,211 | 1,60267 | 408,366 | 1,38945 | 397,506 |
| 1,86 | 1,86403 | 421,041 | 1,62213 | 410,150 | 1,40632 | 399,245 |
| 1,87 | 1,88652 | 422,880 | 1,64170 | 411,944 | 1,42328 | 400,993 |
| 1,88 | 1,90913 | 424,728 | 1,66138 | 413,747 | 1,44034 | 402,750 |
| 1,89 | 1,93188 | 426,586 | 1,68117 | 415,559 | 1,45750 | 404,515 |
| | | | | | | |
| 1,90 | 1,95474+5 | 428,453 | 1,70107+5 | 417,380 | 1,47475+5 | 406,290 |
| 1,91 | 1,97774 | 430,330 | 1,72108 | 419,210 | 1,49209 | 408,074 |
| 1,92 | 2,00085 | 432,216 | 1,74119 | 421,050 | 1,50953 | 409,867 |
| 1,93 | 2,02410 | 434,111 | 1,76142 | 422,899 | 1,52706 | 411,669 |
| 1,94 | 2,04747 | 436,016 | 1,78175 | 424,756 | 1,54469 | 413,480 |
| 1,95 | 2,07096 | 437,929 | 1,80220 | 426,623 | 1,56241 | 415,299 |
| 1,96 | 2,09458 | 439,852 | 1,82275 | 428,499 | 1,58023 | 417,128 |
| 1,97 | 2,11833 | 441,785 | 1,84341 | 430,381 | 1,59814 | 418,966 |
| 1,98 | 2,14219 | 443,727 | 1,86418 | 432,279 | 1,61614 | 420,812 |
| 1,99 | 2,16619 | 445,678 | 1,88506 | 434,182 | 1,63424 | 422,667 |
| | | | | | | |
| 2,00 | 2,19031+5 | 447,638 | 1,90604+5 | 436,094 | 1,65243+5 | 424,531 |
| 2,01 | 2,21455 | 449,607 | 1,92714 | 438,016 | 1,67072 | 426,404 |
| 2,02 | 2,23892 | 451,586 | 1,94834 | 439,946 | 1,68910 | 428,286 |
| 2,03 | 2,26341 | 453,574 | 1,96965 | 441,886 | 1,70757 | 430,177 |
| 2,04 | 2,28803 | 455,571 | 1,99107 | 443,834 | 1,72614 | 432,076 |
| 2,05 | 2,31277 | 457,577 | 2,01260 | 445,791 | 1,74480 | 433,985 |
| 2,06 | 2,33764 | 459,592 | 2,03424 | 447,758 | 1,76356 | 435,902 |
| 2,07 | 2,36263 | 461,617 | 2,05598 | 449,733 | 1,78241 | 437,828 |
| 2,08 | 2,38774 | 463,650 | 2,07784 | 451,718 | 1,80135 | 439,763 |
| 2,09 | 2,41298 | 465,693 | 2,09980 | 453,711 | 1,82039 | 441,706 |
| | | | | | | |
| 2,10 | 2,43835+5 | 467,745 | 2,12187+5 | 455,713 | 1,83952+5 | 443,658 |
| 2,11 | 2,46384 | 469,806 | 2,14405 | 457,724 | 1,85875 | 445,619 |
| 2,12 | 2,48945 | 471,876 | 2,16634 | 459,744 | 1,87807 | 447,589 |
| 2,13 | 2,51519 | 473,955 | 2,18873 | 461,773 | 1,89748 | 449,567 |
| 2,14 | 2,54105 | 476,043 | 2,21123 | 463,811 | 1,91699 | 451,554 |
| 2,15 | 2,56704 | 478,140 | 2,23385 | 465,858 | 1,93659 | 453,550 |
| 2,16 | 2,59315 | 480,247 | 2,25657 | 467,913 | 1,95628 | 455,555 |
| 2,17 | 2,61939 | 482,362 | 2,27939 | 469,978 | 1,97607 | 457,568 |
| 2,18 | 2,64575 | 484,486 | 2,30233 | 472,051 | 1,99595 | 459,590 |
| 2,19 | 2,67224 | 486,619 | 2,32538 | 474,133 | 2,01593 | 461,620 |

Продолжение

М от 2,20 до 2,59

| М | H=6000 м | | H=7000 м | | H=8000 м | |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К |
| 2,20 | 2,69884+5 | 488,761 | 2,34853+5 | 476,224 | 2,03500+5 | 463,659 |
| 2,21 | 2,72558 | 490,912 | 2,37179 | 478,323 | 2,05616 | 465,707 |
| 2,22 | 2,75244 | 493,072 | 2,39516 | 480,431 | 2,07642 | 467,763 |
| 2,23 | 2,77942 | 495,241 | 2,41853 | 482,549 | 2,09677 | 469,828 |
| 2,24 | 2,80653 | 497,419 | 2,44222 | 484,674 | 2,11721 | 471,901 |
| 2,25 | 2,83376 | 499,605 | 2,46591 | 486,809 | 2,13775 | 473,983 |
| 2,26 | 2,86111 | 501,801 | 2,48971 | 488,952 | 2,15838 | 476,073 |
| 2,27 | 2,88859 | 504,005 | 2,51362 | 491,104 | 2,17911 | 478,172 |
| 2,28 | 2,91619 | 506,218 | 2,53764 | 493,264 | 2,19992 | 480,280 |
| 2,29 | 2,94392 | 508,440 | 2,56177 | 495,433 | 2,22084 | 482,395 |
| | | | | | | |
| 2,30 | 2,97177+5 | 510,671 | 2,58600+5 | 497,611 | 2,24184+5 | 484,520 |
| 2,31 | 2,99975 | 512,910 | 2,61034 | 499,797 | 2,26294 | 486,653 |
| 2,32 | 3,02785 | 515,158 | 2,63479 | 501,992 | 2,28413 | 488,794 |
| 2,33 | 3,05608 | 517,415 | 2,65935 | 504,196 | 2,30542 | 490,944 |
| 2,34 | 3,08443 | 519,681 | 2,68401 | 506,408 | 2,32680 | 493,102 |
| 2,35 | 3,11290 | 521,955 | 2,70879 | 508,629 | 2,34828 | 495,268 |
| 2,36 | 3,14150 | 524,239 | 2,73367 | 510,858 | 2,36984 | 497,443 |
| 2,37 | 3,17022 | 526,530 | 2,75866 | 513,090 | 2,39150 | 499,627 |
| 2,38 | 3,19906 | 528,831 | 2,78376 | 515,342 | 2,41326 | 501,818 |
| 2,39 | 3,22801 | 531,140 | 2,80896 | 517,597 | 2,43511 | 504,018 |
| | | | | | | |
| 2,40 | 3,25713+5 | 533,458 | 2,83428+5 | 519,830 | 2,45706+5 | 506,226 |
| 2,41 | 3,28635 | 535,781 | 2,85970 | 522,132 | 2,47908 | 508,443 |
| 2,42 | 3,31569 | 538,119 | 2,88523 | 524,412 | 2,50121 | 510,668 |
| 2,43 | 3,34516 | 540,462 | 2,91087 | 526,700 | 2,52344 | 512,901 |
| 2,44 | 3,37475 | 542,811 | 2,93661 | 528,997 | 2,54575 | 515,142 |
| 2,45 | 3,40447 | 545,175 | 2,96247 | 531,302 | 2,56816 | 517,392 |
| 2,46 | 3,43431 | 547,544 | 2,98843 | 533,616 | 2,59066 | 519,650 |
| 2,47 | 3,46427 | 549,921 | 3,01450 | 535,938 | 2,61326 | 521,916 |
| 2,48 | 3,49436 | 552,307 | 3,04068 | 538,269 | 2,63595 | 524,190 |
| 2,49 | 3,52457 | 554,702 | 3,06697 | 540,607 | 2,65874 | 526,473 |
| | | | | | | |
| 2,50 | 3,55491+5 | 557,106 | 3,09336+5 | 542,951 | 2,68161+5 | 528,763 |
| 2,51 | 3,58537 | 559,516 | 3,11986 | 545,310 | 2,70459 | 531,062 |
| 2,52 | 3,61596 | 561,934 | 3,14647 | 547,673 | 2,72765 | 533,369 |
| 2,53 | 3,64667 | 564,364 | 3,17319 | 550,045 | 2,75081 | 535,684 |
| 2,54 | 3,67750 | 566,801 | 3,20002 | 552,423 | 2,77406 | 538,007 |
| 2,55 | 3,70846 | 569,246 | 3,22695 | 554,813 | 2,79741 | 540,338 |
| 2,56 | 3,73954 | 571,699 | 3,25400 | 557,210 | 2,82085 | 542,677 |
| 2,57 | 3,77075 | 574,161 | 3,28115 | 559,614 | 2,84438 | 545,024 |
| 2,58 | 3,80208 | 576,630 | 3,30841 | 562,027 | 2,86801 | 547,380 |
| 2,59 | 3,83353 | 579,109 | 3,33577 | 564,448 | 2,89173 | 549,743 |

М от 2,60 до 3,00

| М | H=6000 м | | H=7000 м | | H=8000 м | |
|------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К |
| 2,60 | 3,86511+5 | 581,595 | 3,36325+5 | 566,877 | 2,91554+5 | 552,114 |
| 2,61 | 3,89682 | 581,090 | 3,39083 | 569,315 | 2,93945 | 554,493 |
| 2,62 | 3,92865 | 585,593 | 3,41852 | 571,760 | 2,96315 | 556,881 |
| 2,63 | 3,96060 | 589,104 | 3,44632 | 574,213 | 2,98755 | 559,276 |
| 2,64 | 3,99268 | 591,624 | 3,47423 | 576,675 | 3,01173 | 561,679 |
| 2,65 | 4,02488 | 594,151 | 3,50225 | 579,145 | 3,03602 | 564,090 |
| 2,66 | 4,05721 | 596,687 | 3,53037 | 581,622 | 3,06039 | 566,509 |
| 2,67 | 4,08966 | 599,231 | 3,55860 | 584,108 | 3,08486 | 568,936 |
| 2,68 | 4,12223 | 601,783 | 3,58694 | 586,601 | 3,10943 | 571,370 |
| 2,69 | 4,15493 | 604,343 | 3,61539 | 589,103 | 3,13408 | 573,813 |
| | | | | | | |
| 2,70 | 4,18775+5 | 606,912 | 3,64295+5 | 591,613 | 3,15884+5 | 576,263 |
| 2,71 | 4,22070 | 609,488 | 3,67261 | 594,130 | 3,18368 | 578,721 |
| 2,72 | 4,25377 | 612,072 | 3,70139 | 596,656 | 3,20862 | 581,187 |
| 2,73 | 4,28697 | 614,665 | 3,73027 | 599,189 | 3,23365 | 583,661 |
| 2,74 | 4,32029 | 617,265 | 3,75926 | 601,730 | 3,25878 | 586,142 |
| 2,75 | 4,35374 | 619,874 | 3,78836 | 604,279 | 3,28400 | 588,632 |
| 2,76 | 4,38731 | 622,491 | 3,81756 | 606,836 | 3,30931 | 591,129 |
| 2,77 | 4,42100 | 625,115 | 3,84688 | 609,401 | 3,33472 | 593,633 |
| 2,78 | 4,45482 | 627,748 | 3,87630 | 611,974 | 3,36022 | 596,146 |
| 2,79 | 4,48877 | 630,388 | 3,90583 | 614,555 | 3,38581 | 598,666 |
| | | | | | | |
| 2,80 | 4,52283+5 | 633,037 | 3,93547+5 | 617,143 | 3,41150+5 | 601,194 |
| 2,81 | 4,55703 | 635,693 | 3,96522 | 619,739 | 3,43729 | 603,729 |
| 2,82 | 4,59134 | 638,357 | 3,99507 | 622,343 | 3,46316 | 606,272 |
| 2,83 | 4,62579 | 641,030 | 4,02504 | 624,955 | 3,48913 | 608,823 |
| 2,84 | 4,66035 | 643,710 | 4,05511 | 627,574 | 3,51520 | 611,381 |
| 2,85 | 4,69504 | 646,398 | 4,08529 | 630,201 | 3,54135 | 613,947 |
| 2,86 | 4,72985 | 649,093 | 4,11558 | 632,826 | 3,56761 | 616,520 |
| 2,87 | 4,76480 | 651,797 | 4,14598 | 635,478 | 3,59395 | 619,101 |
| 2,88 | 4,79986 | 654,508 | 4,17648 | 638,129 | 3,62039 | 621,690 |
| 2,89 | 4,83505 | 657,227 | 4,20710 | 640,787 | 3,64692 | 624,286 |
| | | | | | | |
| 2,90 | 4,87037+5 | 659,954 | 4,23782+5 | 643,452 | 3,67355+5 | 626,889 |
| 2,91 | 4,90581 | 662,687 | 4,26865 | 646,125 | 3,70027 | 629,501 |
| 2,92 | 4,94137 | 665,432 | 4,29959 | 648,806 | 3,72709 | 632,119 |
| 2,93 | 4,97706 | 668,182 | 4,33064 | 651,494 | 3,75400 | 634,745 |
| 2,94 | 5,01287 | 670,940 | 4,36179 | 654,190 | 3,78100 | 637,379 |
| 2,95 | 5,04881 | 673,705 | 4,39306 | 656,894 | 3,80810 | 640,019 |
| 2,96 | 5,08487 | 676,479 | 4,42443 | 659,605 | 3,83529 | 642,668 |
| 2,97 | 5,12106 | 679,260 | 4,45591 | 662,324 | 3,86257 | 645,324 |
| 2,98 | 5,15737 | 682,048 | 4,48750 | 665,050 | 3,88995 | 647,987 |
| 2,99 | 5,19380 | 684,845 | 4,51920 | 667,783 | 3,91742 | 650,657 |
| 3,00 | 5,23036+5 | 687,649 | 4,55101+5 | 670,524 | 3,94499+5 | 653,335 |

Продолжение

M от 0,01 до 0,39

| M | H=9000 м | | H=10000 м | | H=11000 м | |
|------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 0,01 | 2,15202+0 | 229,655 | 1,85058+0 | 223,154 | 1,58428+0 | 216,654 |
| 0,02 | 8,60871 | 229,668 | 7,40286 | 223,168 | 6,33758 | 216,667 |
| 0,03 | 1,93720+1 | 229,691 | 1,66585+1 | 223,190 | 1,42613+1 | 216,689 |
| 0,04 | 3,44452 | 229,723 | 2,96203 | 223,221 | 2,53579 | 216,719 |
| 0,05 | 5,38327 | 229,765 | 4,62922 | 223,262 | 3,96307 | 216,758 |
| 0,06 | 7,75404 | 229,815 | 6,66791 | 223,311 | 5,70838 | 216,806 |
| 0,07 | 1,05575+2 | 229,875 | 9,07871 | 223,369 | 7,77227 | 216,862 |
| 0,08 | 1,37946 | 229,944 | 1,18524+2 | 223,436 | 1,01553+2 | 216,927 |
| 0,09 | 1,74662 | 230,022 | 1,50197 | 223,512 | 1,28583 | 217,001 |
| 0,10 | 2,15735+2 | 230,109 | 1,85516+2 | 223,596 | 1,58820+2 | 217,083 |
| 0,11 | 2,61176 | 230,206 | 2,24592 | 223,690 | 1,92273 | 217,174 |
| 0,12 | 3,11000 | 230,311 | 2,67437 | 223,793 | 2,28952 | 217,274 |
| 0,13 | 3,65221 | 230,426 | 3,14063 | 223,904 | 2,68869 | 217,382 |
| 0,14 | 4,23855 | 230,550 | 3,64485 | 224,025 | 3,12035 | 217,499 |
| 0,15 | 4,86921 | 230,683 | 4,18717 | 224,154 | 3,58463 | 217,625 |
| 0,16 | 5,54437 | 230,826 | 4,76776 | 224,293 | 4,08167 | 217,759 |
| 0,17 | 6,26423 | 230,977 | 5,38673 | 224,440 | 4,61162 | 217,902 |
| 0,18 | 7,02902 | 231,138 | 6,04444 | 224,596 | 5,17464 | 218,054 |
| 0,19 | 7,83885 | 231,308 | 6,74092 | 224,761 | 5,77089 | 218,214 |
| 0,20 | 8,69427+2 | 231,487 | 7,47644+2 | 224,935 | 6,40057+2 | 218,383 |
| 0,21 | 9,59525 | 231,676 | 8,25121 | 225,118 | 7,06385 | 218,561 |
| 0,22 | 1,05421+3 | 231,873 | 9,06547 | 225,310 | 7,76093 | 218,747 |
| 0,23 | 1,15352 | 232,080 | 9,91946 | 225,511 | 8,49203 | 218,942 |
| 0,24 | 1,25748 | 232,296 | 1,08134+3 | 225,721 | 9,25736 | 219,146 |
| 0,25 | 1,36612 | 232,521 | 1,17477 | 225,939 | 1,00572+3 | 219,358 |
| 0,26 | 1,47948 | 232,755 | 1,27224 | 226,167 | 1,08917 | 219,579 |
| 0,27 | 1,59758 | 232,998 | 1,37389 | 226,404 | 1,17611 | 219,809 |
| 0,28 | 1,72047 | 233,251 | 1,47948 | 226,649 | 1,26658 | 220,047 |
| 0,29 | 1,84817 | 233,513 | 1,58929 | 226,903 | 1,36059 | 220,294 |
| 0,30 | 1,98074+3 | 233,784 | 1,70329+3 | 227,167 | 1,45818+3 | 220,550 |
| 0,31 | 2,11829 | 234,064 | 1,82150 | 227,439 | 1,55938 | 220,814 |
| 0,32 | 2,26060 | 234,353 | 1,94395 | 227,720 | 1,66421 | 221,087 |
| 0,33 | 2,40799 | 234,652 | 2,07069 | 228,010 | 1,77272 | 221,369 |
| 0,34 | 2,56040 | 234,960 | 2,20175 | 228,309 | 1,88492 | 221,659 |
| 0,35 | 2,71788 | 235,276 | 2,33718 | 228,617 | 2,00085 | 221,958 |
| 0,36 | 2,88048 | 235,603 | 2,47700 | 228,934 | 2,12056 | 222,266 |
| 0,37 | 3,04825 | 235,938 | 2,62127 | 229,260 | 2,24407 | 222,582 |
| 0,38 | 3,22124 | 236,282 | 2,77003 | 229,595 | 2,37142 | 222,907 |
| 0,39 | 3,39950 | 236,636 | 2,92332 | 229,938 | 2,50265 | 223,240 |

Продолжение

М от 0,40 до 0,79

| М | H=9000 м | | H=10000 м | | H=11000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_x , Па | T_x , К | ρ_x , Па | T_x , К | ρ_x , Па | T_x , К |
| 0,40 | 3,58308+3 | 236,999 | 3,08119+3 | 230,291 | 2,63780+3 | 223,583 |
| 0,41 | 3,77204 | 237,371 | 3,24368 | 230,652 | 2,77691 | 223,934 |
| 0,42 | 3,96643 | 237,752 | 3,41084 | 231,023 | 2,92002 | 224,293 |
| 0,43 | 4,16632 | 238,142 | 3,58273 | 231,402 | 3,06717 | 224,662 |
| 0,44 | 4,37177 | 238,542 | 3,75940 | 231,790 | 3,21842 | 225,039 |
| 0,45 | 4,58282 | 238,951 | 3,94089 | 232,188 | 3,37379 | 225,424 |
| 0,46 | 4,79956 | 239,369 | 4,12727 | 232,594 | 3,53335 | 225,819 |
| 0,47 | 5,02204 | 239,796 | 4,31859 | 233,009 | 3,69713 | 226,222 |
| 0,48 | 5,25033 | 240,232 | 4,51490 | 233,433 | 3,86520 | 226,633 |
| 0,49 | 5,48449 | 240,678 | 4,71626 | 233,866 | 4,03759 | 227,054 |
| | | | | | | |
| 0,50 | 5,72461+3 | 241,132 | 4,92275+3 | 234,307 | 4,21435+3 | 227,483 |
| 0,51 | 5,97074 | 241,593 | 5,13440 | 234,758 | 4,39555 | 227,920 |
| 0,52 | 6,22297 | 242,069 | 5,35130 | 235,218 | 4,58124 | 228,366 |
| 0,53 | 6,48137 | 242,552 | 5,57351 | 235,687 | 4,77147 | 228,821 |
| 0,54 | 6,74601 | 243,043 | 5,80108 | 236,164 | 4,96629 | 229,285 |
| 0,55 | 7,01699 | 243,544 | 6,03410 | 236,651 | 5,16578 | 229,757 |
| 0,56 | 7,29436 | 244,054 | 6,27262 | 237,146 | 5,36998 | 230,238 |
| 0,57 | 7,57823 | 244,573 | 6,51672 | 237,650 | 5,57896 | 230,728 |
| 0,58 | 7,86857 | 245,101 | 6,76648 | 238,164 | 5,79277 | 231,226 |
| 0,59 | 8,16577 | 245,638 | 7,02197 | 238,686 | 6,01149 | 231,733 |
| | | | | | | |
| 0,60 | 8,46963+3 | 246,185 | 7,28326+3 | 239,217 | 6,23519+3 | 232,249 |
| 0,61 | 8,78032 | 246,741 | 7,55043 | 239,757 | 6,46391 | 232,773 |
| 0,62 | 9,09795 | 247,305 | 7,82357 | 240,306 | 6,69774 | 233,306 |
| 0,63 | 9,42260 | 247,880 | 8,10275 | 240,864 | 6,93675 | 233,848 |
| 0,64 | 9,75438 | 248,463 | 8,38806 | 241,430 | 7,18100 | 234,398 |
| 0,65 | 1,00934+4 | 249,055 | 8,67958 | 242,006 | 7,43057 | 234,957 |
| 0,66 | 1,04397 | 249,657 | 8,97740 | 242,591 | 7,68553 | 235,525 |
| 0,67 | 1,07935 | 250,268 | 9,28160 | 243,184 | 7,94596 | 236,101 |
| 0,68 | 1,11548 | 250,888 | 9,59229 | 243,787 | 8,21194 | 236,686 |
| 0,69 | 1,15237 | 251,517 | 9,90965 | 244,398 | 8,48355 | 237,279 |
| | | | | | | |
| 0,70 | 1,19004+4 | 252,156 | 1,02335+4 | 245,019 | 8,76086+3 | 237,882 |
| 0,71 | 1,22849 | 252,803 | 1,05642 | 245,648 | 9,04395 | 238,493 |
| 0,72 | 1,26775 | 253,460 | 1,09017 | 246,286 | 9,33293 | 239,112 |
| 0,73 | 1,30781 | 254,126 | 1,12462 | 246,933 | 9,62785 | 239,741 |
| 0,74 | 1,34869 | 254,801 | 1,15978 | 247,589 | 9,92884 | 240,378 |
| 0,75 | 1,39041 | 255,486 | 1,19565 | 248,254 | 1,02360+4 | 241,023 |
| 0,76 | 1,43297 | 256,179 | 1,23225 | 248,928 | 1,05493 | 241,677 |
| 0,77 | 1,47640 | 256,882 | 1,26959 | 249,611 | 1,08690 | 242,340 |
| 0,78 | 1,52069 | 257,594 | 1,30768 | 250,303 | 1,11950 | 243,012 |
| 0,79 | 1,56587 | 258,315 | 1,34653 | 251,004 | 1,15276 | 243,692 |

Продолжение

M от 0,80 до 1,19

| M | H=9000 м | | H=10000 м | | H=11000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_a , Па | T_a , К | ρ_a , Па | T_a , К | ρ_a , Па | T_a , К |
| 0,80 | 1,61194+4 | 259,045 | 1,38615+4 | 251,713 | 1,18668+4 | 244,381 |
| 0,81 | 1,65893 | 259,785 | 1,42656 | 252,432 | 1,22127 | 245,079 |
| 0,82 | 1,70684 | 260,533 | 1,46776 | 253,159 | 1,25653 | 245,785 |
| 0,83 | 1,75570 | 261,291 | 1,50977 | 253,895 | 1,29251 | 246,500 |
| 0,84 | 1,80550 | 262,058 | 1,55260 | 254,641 | 1,32918 | 247,224 |
| 0,85 | 1,85628 | 262,834 | 1,59626 | 255,395 | 1,36656 | 247,956 |
| 0,86 | 1,90811 | 263,620 | 1,64077 | 256,158 | 1,40466 | 248,697 |
| 0,87 | 1,96080 | 264,414 | 1,68614 | 256,930 | 1,44350 | 249,446 |
| 0,88 | 2,01457 | 265,218 | 1,73238 | 257,711 | 1,48309 | 250,205 |
| 0,89 | 2,06938 | 266,031 | 1,77951 | 258,501 | 1,52344 | 250,972 |
| | | | | | | |
| 0,90 | 2,12523+4 | 266,853 | 1,82754+4 | 259,300 | 1,56455+4 | 251,747 |
| 0,91 | 2,18214 | 267,685 | 1,87648 | 260,108 | 1,60645 | 252,532 |
| 0,92 | 2,24013 | 268,525 | 1,92635 | 260,925 | 1,64915 | 253,325 |
| 0,93 | 2,29922 | 269,375 | 1,97717 | 261,750 | 1,69265 | 254,126 |
| 0,94 | 2,35943 | 270,234 | 2,02894 | 262,585 | 1,73697 | 254,936 |
| 0,95 | 2,42077 | 271,102 | 2,08168 | 263,429 | 1,78213 | 255,755 |
| 0,96 | 2,48325 | 271,979 | 2,13542 | 264,281 | 1,82813 | 256,583 |
| 0,97 | 2,54691 | 272,865 | 2,19016 | 265,142 | 1,87499 | 257,419 |
| 0,98 | 2,61175 | 273,761 | 2,24592 | 266,013 | 1,92272 | 258,264 |
| 0,99 | 2,67780 | 274,666 | 2,30271 | 266,892 | 1,97135 | 259,118 |
| | | | | | | |
| 1,00 | 2,74507+4 | 275,580 | 2,36056+4 | 267,780 | 2,02087+4 | 259,980 |
| 1,01 | 2,81358 | 276,503 | 2,41947 | 268,677 | 2,07131 | 260,851 |
| 1,02 | 2,88331 | 277,436 | 2,47914 | 269,583 | 2,12264 | 261,731 |
| 1,03 | 2,95424 | 278,377 | 2,54043 | 270,498 | 2,17486 | 262,619 |
| 1,04 | 3,02634 | 279,328 | 2,60243 | 271,422 | 2,22794 | 263,516 |
| 1,05 | 3,09960 | 280,288 | 2,66543 | 272,355 | 2,28187 | 264,421 |
| 1,06 | 3,17400 | 281,257 | 2,72941 | 273,296 | 2,33664 | 265,336 |
| 1,07 | 3,24952 | 282,235 | 2,79435 | 274,247 | 2,39224 | 266,259 |
| 1,08 | 3,32614 | 283,223 | 2,86024 | 275,206 | 2,44864 | 267,190 |
| 1,09 | 3,40385 | 284,219 | 2,92706 | 276,175 | 2,50585 | 268,130 |
| | | | | | | |
| 1,10 | 3,48264+4 | 285,225 | 2,99481+4 | 277,152 | 2,56385+4 | 269,079 |
| 1,11 | 3,56248 | 286,240 | 3,06347 | 278,139 | 2,62263 | 270,037 |
| 1,12 | 3,64338 | 287,265 | 3,13304 | 279,134 | 2,68219 | 271,003 |
| 1,13 | 3,72531 | 288,298 | 3,20349 | 280,138 | 2,74250 | 271,978 |
| 1,14 | 3,80826 | 289,341 | 3,27483 | 281,151 | 2,80357 | 272,962 |
| 1,15 | 3,89223 | 290,392 | 3,34704 | 282,173 | 2,86539 | 273,954 |
| 1,16 | 3,97721 | 291,453 | 3,42011 | 283,204 | 2,92795 | 274,955 |
| 1,17 | 4,06318 | 292,524 | 3,49404 | 284,244 | 2,99124 | 275,964 |
| 1,18 | 4,15014 | 293,603 | 3,56882 | 285,293 | 3,05526 | 276,983 |
| 1,19 | 4,23808 | 294,691 | 3,64444 | 286,351 | 3,12000 | 278,010 |

4*

Продолжение

М от 1,20 до 1,59

| М | H=8000 м | | H=10000 м | | H=11000 м | |
|------|--------------|--------------|--------------|--------------|--------------|--------------|
| | $P_{д}$, Па | $T_{ст}$, К | $P_{д}$, Па | $T_{ст}$, К | $P_{д}$, Па | $T_{ст}$, К |
| 1,20 | 4,32699+4 | 295,789 | 3,72089+4 | 287,417 | 3,18545+4 | 279,045 |
| 1,21 | 4,41686 | 296,896 | 3,79818 | 288,493 | 3,25161 | 280,089 |
| 1,22 | 4,50768 | 298,012 | 3,87628 | 289,577 | 3,31848 | 281,142 |
| 1,23 | 4,59946 | 299,137 | 3,95520 | 290,671 | 3,38604 | 282,204 |
| 1,24 | 4,69218 | 300,272 | 4,03493 | 291,773 | 3,45430 | 283,274 |
| 1,25 | 4,78584 | 301,416 | 4,11547 | 292,884 | 3,52325 | 284,353 |
| 1,26 | 4,88042 | 302,568 | 4,19681 | 294,005 | 3,59288 | 285,441 |
| 1,27 | 4,97594 | 303,730 | 4,27894 | 295,134 | 3,66320 | 286,537 |
| 1,28 | 5,07237 | 304,902 | 4,36187 | 296,272 | 3,73419 | 287,642 |
| 1,29 | 5,16972 | 306,082 | 4,44558 | 297,419 | 3,80586 | 288,755 |
| | | | | | | |
| 1,30 | 5,26798+4 | 307,272 | 4,53008+4 | 298,575 | 3,87820+4 | 289,878 |
| 1,31 | 5,36715 | 308,470 | 4,61536 | 299,740 | 3,95120 | 291,009 |
| 1,32 | 5,46722 | 309,678 | 4,70141 | 300,913 | 4,02487 | 292,148 |
| 1,33 | 5,56819 | 310,895 | 4,78824 | 302,096 | 4,09920 | 293,296 |
| 1,34 | 5,67005 | 312,122 | 4,87583 | 303,288 | 4,17419 | 294,453 |
| 1,35 | 5,77281 | 313,357 | 4,96419 | 304,488 | 4,24984 | 295,619 |
| 1,36 | 5,87645 | 314,601 | 5,05332 | 305,698 | 4,32614 | 296,793 |
| 1,37 | 5,98097 | 315,855 | 5,14320 | 306,916 | 4,40309 | 297,976 |
| 1,38 | 6,08638 | 317,117 | 5,23384 | 308,143 | 4,48069 | 299,168 |
| 1,39 | 6,19266 | 318,389 | 5,32524 | 309,380 | 4,55893 | 300,368 |
| | | | | | | |
| 1,40 | 6,29982+4 | 319,670 | 5,41739+4 | 310,625 | 4,63782+4 | 301,577 |
| 1,41 | 6,40786 | 320,960 | 5,51029 | 311,879 | 4,71735 | 302,794 |
| 1,42 | 6,51676 | 322,258 | 5,60393 | 313,141 | 4,79752 | 304,021 |
| 1,43 | 6,62653 | 323,566 | 5,69832 | 314,413 | 4,87833 | 305,256 |
| 1,44 | 6,73716 | 324,883 | 5,79346 | 315,694 | 4,95977 | 306,499 |
| 1,45 | 6,84866 | 326,210 | 5,88933 | 316,983 | 5,04185 | 307,751 |
| 1,46 | 6,96102 | 327,545 | 5,98596 | 318,281 | 5,12456 | 309,012 |
| 1,47 | 7,07423 | 328,889 | 6,08330 | 319,588 | 5,20790 | 310,282 |
| 1,48 | 7,18830 | 330,242 | 6,18139 | 320,904 | 5,29188 | 311,560 |
| 1,49 | 7,30323 | 331,605 | 6,28022 | 322,228 | 5,37648 | 312,847 |
| | | | | | | |
| 1,50 | 7,41901+4 | 332,976 | 6,37977+4 | 323,562 | 5,46171+4 | 314,142 |
| 1,51 | 7,53563 | 334,356 | 6,48006 | 324,904 | 5,54756 | 315,446 |
| 1,52 | 7,65311 | 335,746 | 6,58108 | 326,255 | 5,63404 | 316,758 |
| 1,53 | 7,77144 | 337,144 | 6,68283 | 327,615 | 5,72114 | 318,079 |
| 1,54 | 7,89064 | 338,552 | 6,78530 | 328,983 | 5,80886 | 319,409 |
| 1,55 | 8,01065 | 339,968 | 6,88850 | 330,361 | 5,89721 | 320,747 |
| 1,56 | 8,13151 | 341,394 | 6,99242 | 331,747 | 5,98617 | 322,093 |
| 1,57 | 8,25321 | 342,829 | 7,09706 | 333,142 | 6,07576 | 323,448 |
| 1,58 | 8,37575 | 344,272 | 7,20243 | 334,545 | 6,16596 | 324,812 |
| 1,59 | 8,49913 | 345,725 | 7,30852 | 335,958 | 6,25678 | 326,184 |

Продолжение

М от 1,60 до 1,99

| М | H=9000 м | | H=10000 м | | H=11000 м | |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | $P_{\text{д}}$, Па | $T_{\text{ст}}$, К | $P_{\text{д}}$, Па | $T_{\text{ст}}$, К | $P_{\text{д}}$, Па | $T_{\text{ст}}$, К |
| 1,60 | 8,62335+4 | 347,186 | 7,41536+4 | 337,379 | 6,34821+4 | 327,565 |
| 1,61 | 8,74841 | 348,657 | 7,52289 | 338,809 | 6,44026 | 328,954 |
| 1,62 | 8,87429 | 350,136 | 7,63113 | 340,248 | 6,53292 | 330,352 |
| 1,63 | 9,00102 | 351,625 | 7,74010 | 341,696 | 6,62620 | 331,759 |
| 1,64 | 9,12857 | 353,122 | 7,84978 | 343,152 | 6,72009 | 333,174 |
| 1,65 | 9,25696 | 354,629 | 7,96017 | 344,617 | 6,81459 | 334,597 |
| 1,66 | 9,38618 | 356,144 | 8,07128 | 346,091 | 6,90973 | 336,029 |
| 1,67 | 9,51623 | 357,669 | 8,18311 | 347,573 | 7,00545 | 337,469 |
| 1,68 | 9,64711 | 359,202 | 8,29564 | 349,064 | 7,10179 | 338,918 |
| 1,69 | 9,77882 | 360,744 | 8,40889 | 350,564 | 7,19873 | 340,376 |
| | | | | | | |
| 1,70 | 9,91135+4 | 362,296 | 8,52285+4 | 352,073 | 7,29628+4 | 341,842 |
| 1,71 | 1,00447+5 | 363,856 | 8,63752 | 353,590 | 7,39444 | 343,316 |
| 1,72 | 1,01789 | 365,425 | 8,75290 | 355,116 | 7,49321 | 344,799 |
| 1,73 | 1,03139 | 367,003 | 8,86899 | 356,651 | 7,59258 | 346,290 |
| 1,74 | 1,04497 | 368,590 | 8,98578 | 358,195 | 7,69257 | 347,790 |
| 1,75 | 1,05864 | 370,185 | 9,10329 | 359,747 | 7,79315 | 349,298 |
| 1,76 | 1,07239 | 371,790 | 9,22150 | 361,308 | 7,89434 | 350,815 |
| 1,77 | 1,08622 | 373,404 | 9,34042 | 362,877 | 7,99614 | 352,340 |
| 1,78 | 1,10013 | 375,026 | 9,46005 | 364,455 | 8,09854 | 353,874 |
| 1,79 | 1,11413 | 376,658 | 9,58038 | 366,042 | 8,20155 | 355,416 |
| | | | | | | |
| 1,80 | 1,12820+5 | 378,298 | 9,70141+4 | 367,637 | 8,30516+4 | 356,966 |
| 1,81 | 1,14236 | 379,947 | 9,82315 | 369,241 | 8,40937 | 358,525 |
| 1,82 | 1,15660 | 381,605 | 9,94560 | 370,854 | 8,51418 | 360,092 |
| 1,83 | 1,17092 | 383,271 | 1,00687+5 | 372,476 | 8,61960 | 361,668 |
| 1,84 | 1,18533 | 384,947 | 1,01926 | 374,106 | 8,72562 | 363,252 |
| 1,85 | 1,19981 | 386,631 | 1,03172 | 375,744 | 8,83224 | 364,845 |
| 1,86 | 1,21438 | 388,325 | 1,04424 | 377,391 | 8,93946 | 366,446 |
| 1,87 | 1,22903 | 390,027 | 1,05684 | 379,047 | 9,04728 | 368,055 |
| 1,88 | 1,24376 | 391,737 | 1,06950 | 380,712 | 9,15570 | 369,673 |
| 1,89 | 1,25857 | 393,457 | 1,08224 | 382,384 | 9,26472 | 371,299 |
| | | | | | | |
| 1,90 | 1,27347+5 | 395,185 | 1,09505+5 | 384,066 | 9,37435+4 | 372,933 |
| 1,91 | 1,28844 | 396,923 | 1,10792 | 385,756 | 9,48457 | 374,576 |
| 1,92 | 1,30350 | 398,668 | 1,12087 | 387,455 | 9,59539 | 376,227 |
| 1,93 | 1,31864 | 400,423 | 1,13388 | 389,162 | 9,70681 | 377,887 |
| 1,94 | 1,33386 | 402,187 | 1,14697 | 390,878 | 9,81883 | 379,554 |
| 1,95 | 1,34916 | 403,959 | 1,16013 | 392,602 | 9,93144 | 381,231 |
| 1,96 | 1,36454 | 405,740 | 1,17335 | 394,335 | 1,00447+5 | 382,915 |
| 1,97 | 1,38001 | 407,529 | 1,18665 | 396,076 | 1,01585 | 384,608 |
| 1,98 | 1,39555 | 409,327 | 1,20001 | 397,826 | 1,02729 | 386,309 |
| 1,99 | 1,41118 | 411,134 | 1,21345 | 399,584 | 1,03879 | 388,018 |

Продолжение

М от 2,00 до 2,39

| М | H=9000 м | | H=10000 м | | H=11000 м | |
|------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
| | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $\rho_{\text{ст}}$, Па | $T_{\text{ст}}$, К |
| 2,00 | 1,42689+5 | 412,950 | 1,22696+5 | 401,351 | 1,05035+5 | 389,736 |
| 2,01 | 1,44268 | 414,774 | 1,24053 | 403,126 | 1,06197 | 391,462 |
| 2,02 | 1,45855 | 416,607 | 1,25418 | 404,910 | 1,07365 | 393,196 |
| 2,03 | 1,47450 | 418,449 | 1,26789 | 406,702 | 1,08539 | 394,939 |
| 2,04 | 1,49053 | 420,299 | 1,28168 | 408,503 | 1,09719 | 396,689 |
| 2,05 | 1,50664 | 422,158 | 1,29553 | 410,312 | 1,10905 | 398,448 |
| 2,06 | 1,52284 | 424,025 | 1,30945 | 412,130 | 1,12097 | 400,215 |
| 2,07 | 1,53911 | 425,902 | 1,32345 | 413,955 | 1,13291 | 401,991 |
| 2,08 | 1,55547 | 427,786 | 1,33751 | 415,790 | 1,14498 | 403,774 |
| 2,09 | 1,57191 | 429,680 | 1,35164 | 417,633 | 1,15708 | 405,566 |
| | | | | | | |
| 2,10 | 1,58842+5 | 431,581 | 1,36585+5 | 419,484 | 1,16923+5 | 407,366 |
| 2,11 | 1,60502 | 433,492 | 1,38012 | 421,343 | 1,18145 | 409,174 |
| 2,12 | 1,62170 | 435,411 | 1,39446 | 423,211 | 1,19373 | 410,991 |
| 2,13 | 1,63847 | 437,338 | 1,40887 | 425,087 | 1,20605 | 412,815 |
| 2,14 | 1,65531 | 439,274 | 1,42335 | 426,972 | 1,21846 | 414,648 |
| 2,15 | 1,67223 | 441,219 | 1,43790 | 428,861 | 1,23091 | 416,489 |
| 2,16 | 1,68923 | 443,172 | 1,45252 | 430,766 | 1,24343 | 418,338 |
| 2,17 | 1,70632 | 445,133 | 1,46721 | 432,675 | 1,25600 | 420,195 |
| 2,18 | 1,72349 | 447,103 | 1,48197 | 434,593 | 1,26863 | 422,060 |
| 2,19 | 1,74073 | 449,082 | 1,49680 | 436,519 | 1,28132 | 423,933 |
| | | | | | | |
| 2,20 | 1,75806+5 | 451,068 | 1,51169+5 | 438,453 | 1,29407+5 | 425,814 |
| 2,21 | 1,77547 | 453,064 | 1,52666 | 440,396 | 1,30689 | 427,704 |
| 2,22 | 1,79296 | 455,067 | 1,54170 | 442,347 | 1,31976 | 429,601 |
| 2,23 | 1,81053 | 457,080 | 1,55680 | 444,306 | 1,33269 | 431,507 |
| 2,24 | 1,82818 | 459,100 | 1,57198 | 446,273 | 1,34568 | 433,420 |
| 2,25 | 1,84591 | 461,129 | 1,58722 | 448,248 | 1,35872 | 435,342 |
| 2,26 | 1,86372 | 463,166 | 1,60254 | 450,232 | 1,37183 | 437,272 |
| 2,27 | 1,88162 | 465,212 | 1,61792 | 452,224 | 1,38500 | 439,209 |
| 2,28 | 1,89959 | 467,266 | 1,63338 | 454,224 | 1,39823 | 441,155 |
| 2,29 | 1,91765 | 469,328 | 1,64890 | 456,232 | 1,41151 | 443,108 |
| | | | | | | |
| 2,30 | 1,93578+5 | 471,399 | 1,66449+5 | 458,248 | 1,42486+5 | 445,070 |
| 2,31 | 1,95400 | 473,477 | 1,68015 | 460,273 | 1,43826 | 447,010 |
| 2,32 | 1,97229 | 475,565 | 1,69588 | 462,305 | 1,45173 | 449,017 |
| 2,33 | 1,99067 | 477,660 | 1,71168 | 464,346 | 1,46525 | 451,002 |
| 2,34 | 2,00913 | 479,764 | 1,72755 | 466,395 | 1,47884 | 452,996 |
| 2,35 | 2,02767 | 481,876 | 1,74349 | 468,451 | 1,49248 | 454,997 |
| 2,36 | 2,04629 | 483,996 | 1,75950 | 470,516 | 1,50618 | 457,006 |
| 2,37 | 2,06499 | 486,124 | 1,77558 | 472,589 | 1,51994 | 459,023 |
| 2,38 | 2,08377 | 488,261 | 1,79173 | 474,670 | 1,53376 | 461,048 |
| 2,39 | 2,10264 | 490,405 | 1,80794 | 476,759 | 1,54764 | 463,081 |

Продолжение

М от 2,40 до 2,79

| М | H=9000 м | | H=10000 м | | H=11000 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_x , Па | T_0 , К | p_x , Па | T_0 , К | p_x , Па | T_0 , К |
| 2,40 | 2,12158+5 | 492,558 | 1,82423+5 | 478,856 | 1,56158+5 | 465,121 |
| 2,41 | 2,14060 | 494,719 | 1,84058 | 480,961 | 1,57658 | 467,170 |
| 2,42 | 2,15971 | 496,888 | 1,85701 | 483,074 | 1,58964 | 469,226 |
| 2,43 | 2,17890 | 499,066 | 1,87350 | 485,195 | 1,60376 | 471,290 |
| 2,44 | 2,19816 | 501,251 | 1,89007 | 487,324 | 1,61793 | 473,362 |
| 2,45 | 2,21751 | 503,444 | 1,90670 | 489,460 | 1,63217 | 475,442 |
| 2,46 | 2,23694 | 505,646 | 1,92340 | 491,605 | 1,64647 | 477,529 |
| 2,47 | 2,25645 | 507,855 | 1,94018 | 493,758 | 1,66082 | 479,624 |
| 2,48 | 2,27604 | 510,073 | 1,95702 | 495,918 | 1,67523 | 481,727 |
| 2,49 | 2,29571 | 512,299 | 1,97393 | 498,087 | 1,68971 | 483,838 |
| | | | | | | |
| 2,50 | 2,31546+5 | 514,532 | 1,99091+5 | 500,263 | 1,70424+5 | 485,956 |
| 2,51 | 2,33529 | 516,774 | 2,00796 | 502,447 | 1,71883 | 488,082 |
| 2,52 | 2,35520 | 519,024 | 2,02508 | 504,639 | 1,73349 | 490,215 |
| 2,53 | 2,37519 | 521,281 | 2,04226 | 506,839 | 1,74820 | 492,357 |
| 2,54 | 2,39527 | 523,547 | 2,05952 | 509,046 | 1,76297 | 494,506 |
| 2,55 | 2,41542 | 525,820 | 2,07685 | 511,261 | 1,77780 | 496,662 |
| 2,56 | 2,43566 | 528,102 | 2,09425 | 513,485 | 1,79269 | 498,827 |
| 2,57 | 2,45598 | 530,391 | 2,11171 | 515,715 | 1,80763 | 500,998 |
| 2,58 | 2,47637 | 532,688 | 2,12925 | 517,954 | 1,82264 | 503,178 |
| 2,59 | 2,49685 | 534,993 | 2,14685 | 520,200 | 1,83771 | 505,365 |
| | | | | | | |
| 2,60 | 2,51741+5 | 537,306 | 2,16453+5 | 522,454 | 1,85284+5 | 507,559 |
| 2,61 | 2,53805 | 539,627 | 2,18227 | 524,716 | 1,86802 | 509,761 |
| 2,62 | 2,55877 | 541,956 | 2,20008 | 526,985 | 1,88327 | 511,971 |
| 2,63 | 2,57957 | 544,292 | 2,21797 | 529,262 | 1,89857 | 514,188 |
| 2,64 | 2,60045 | 546,636 | 2,23592 | 531,547 | 1,91394 | 516,413 |
| 2,65 | 2,62142 | 548,988 | 2,25394 | 533,839 | 1,92936 | 518,645 |
| 2,66 | 2,64246 | 551,348 | 2,27203 | 536,139 | 1,94484 | 520,885 |
| 2,67 | 2,66359 | 553,715 | 2,29019 | 538,447 | 1,96039 | 523,132 |
| 2,68 | 2,68479 | 556,090 | 2,30842 | 540,762 | 1,97599 | 525,386 |
| 2,69 | 2,70608 | 558,473 | 2,32672 | 543,085 | 1,99165 | 527,648 |
| | | | | | | |
| 2,70 | 2,72745+5 | 560,864 | 2,34509+5 | 545,415 | 2,00737+5 | 529,918 |
| 2,71 | 2,74889 | 563,262 | 2,36353 | 547,753 | 2,02315 | 532,194 |
| 2,72 | 2,77042 | 565,668 | 2,38203 | 550,098 | 2,03899 | 534,479 |
| 2,73 | 2,79203 | 568,081 | 2,40061 | 552,451 | 2,05489 | 536,770 |
| 2,74 | 2,81372 | 570,503 | 2,41926 | 554,811 | 2,07085 | 539,069 |
| 2,75 | 2,83550 | 572,931 | 2,43797 | 557,179 | 2,08687 | 541,375 |
| 2,76 | 2,85735 | 575,368 | 2,45676 | 559,554 | 2,10295 | 543,689 |
| 2,77 | 2,87928 | 577,812 | 2,47562 | 561,937 | 2,11908 | 546,010 |
| 2,78 | 2,90130 | 580,263 | 2,49454 | 564,327 | 2,13528 | 548,338 |
| 2,79 | 2,92339 | 582,722 | 2,51354 | 566,725 | 2,15153 | 550,673 |

Продолжение

М от 2,80 до 3,00

| М | H=9000 м | | H=10000 м | | H=11000 м | |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К |
| 2,80 | 2,94557+5 | 585,189 | 2,53260+5 | 569,130 | 2,16785+5 | 553,016 |
| 2,81 | 2,96783 | 587,663 | 2,55173 | 571,542 | 2,18422 | 555,366 |
| 2,82 | 2,99016 | 590,145 | 2,57094 | 573,962 | 2,20066 | 557,723 |
| 2,83 | 3,01258 | 592,634 | 2,59021 | 576,389 | 2,21715 | 560,087 |
| 2,84 | 3,03508 | 595,131 | 2,60955 | 578,823 | 2,23371 | 562,459 |
| 2,85 | 3,05767 | 597,635 | 2,62896 | 581,265 | 2,25032 | 564,838 |
| 2,86 | 3,08033 | 600,146 | 2,64844 | 583,714 | 2,26699 | 567,224 |
| 2,87 | 3,10307 | 602,665 | 2,66800 | 586,170 | 2,28372 | 569,617 |
| 2,88 | 3,12590 | 605,191 | 2,68762 | 588,634 | 2,30052 | 572,017 |
| 2,89 | 3,14880 | 607,725 | 2,70731 | 591,105 | 2,31737 | 574,425 |
| | | | | | | |
| 2,90 | 3,17179+5 | 610,266 | 2,72707+5 | 593,583 | 2,33428+5 | 576,839 |
| 2,91 | 3,19485 | 612,815 | 2,74690 | 596,068 | 2,35125 | 579,261 |
| 2,92 | 3,21800 | 615,371 | 2,76679 | 598,561 | 2,36828 | 581,689 |
| 2,93 | 3,24123 | 617,934 | 2,78676 | 601,060 | 2,38537 | 584,125 |
| 2,94 | 3,26454 | 620,504 | 2,80680 | 603,567 | 2,40252 | 586,568 |
| 2,95 | 3,28793 | 623,082 | 2,82691 | 606,082 | 2,41972 | 589,018 |
| 2,96 | 3,31141 | 625,667 | 2,84709 | 608,603 | 2,43699 | 591,475 |
| 2,97 | 3,33496 | 628,260 | 2,86733 | 611,131 | 2,45432 | 593,939 |
| 2,98 | 3,35850 | 630,859 | 2,88765 | 613,667 | 2,47171 | 596,410 |
| 2,99 | 3,38231 | 633,466 | 2,90804 | 616,209 | 2,48915 | 598,888 |
| | | | | | | |
| 3,00 | 3,40611+5 | 636,080 | 2,92849+5 | 618,759 | 2,50666+5 | 601,372 |

М от 0,02 до 0,18

Продолжение

| М | H=12000 м | | H=13000 м | | H=14000 м | |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К |
| 0,02 | 5,41304+0 | 216,667 | 4,62335+0 | 216,667 | 3,94888+0 | 216,667 |
| 0,04 | 2,16587+1 | 216,719 | 1,84990+1 | 216,719 | 1,58003+1 | 216,719 |
| 0,06 | 4,87564 | 216,806 | 4,16435 | 216,806 | 3,55684 | 216,806 |
| 0,08 | 8,67386 | 216,927 | 7,40847 | 216,927 | 6,32769 | 216,927 |
| 0,10 | 1,33661+2 | 217,083 | 1,15852+2 | 217,083 | 9,89592 | 217,083 |
| 0,12 | 1,96552 | 217,274 | 1,67024 | 217,274 | 1,42658+2 | 217,274 |
| 0,14 | 2,66545 | 217,499 | 2,27634 | 217,499 | 1,94426 | 217,499 |
| 0,16 | 3,48623 | 217,759 | 2,97763 | 217,759 | 2,54325 | 217,759 |
| 0,18 | 4,41975 | 218,054 | 3,77497 | 218,054 | 3,22426 | 218,054 |

Продолжение

М от 0,20 до 0,98

| М | H=12000 м | | H=13000 м | | H=14000 м | |
|------|-------------------------------|---------------------------|-------------------------------|---------------------------|-------------------------------|---------------------------|
| | $\rho_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $\rho_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $\rho_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 0,20 | 5,46684+2 | 218,383 | 4,56931+2 | 218,383 | 3,98813+2 | 218,383 |
| 0,22 | 6,62875 | 218,747 | 5,66171 | 218,747 | 4,83576 | 218,747 |
| 0,24 | 7,90688 | 219,146 | 6,75338 | 219,146 | 5,76817 | 219,146 |
| 0,26 | 9,30276 | 219,579 | 7,94562 | 219,579 | 6,78648 | 219,579 |
| 0,28 | 1,08181+3 | 220,047 | 9,23986 | 220,047 | 7,89191 | 220,047 |
| 0,30 | 1,24546 | 220,550 | 1,06377+3 | 220,550 | 9,08579 | 220,550 |
| 0,32 | 1,42144 | 221,087 | 1,21407 | 221,087 | 1,03695+3 | 221,087 |
| 0,34 | 1,60994 | 221,659 | 1,37507 | 221,659 | 1,17447 | 221,659 |
| 0,36 | 1,81121 | 222,266 | 1,54698 | 222,266 | 1,32130 | 222,266 |
| 0,38 | 2,02547 | 222,907 | 1,72998 | 222,907 | 1,47761 | 222,907 |
| | | | | | | |
| 0,40 | 2,25299+3 | 223,583 | 1,92431+3 | 223,583 | 1,64358+3 | 223,583 |
| 0,42 | 2,49404 | 224,293 | 2,13019 | 224,293 | 1,81943 | 224,293 |
| 0,44 | 2,74891 | 225,039 | 2,34788 | 225,039 | 2,00536 | 225,039 |
| 0,46 | 3,01790 | 225,819 | 2,57763 | 225,819 | 2,20159 | 225,819 |
| 0,48 | 3,30133 | 226,633 | 2,81972 | 226,633 | 2,40836 | 226,633 |
| 0,50 | 3,59956 | 227,483 | 3,07443 | 227,483 | 2,62592 | 227,483 |
| 0,52 | 3,91292 | 228,366 | 3,34208 | 228,366 | 2,85452 | 228,366 |
| 0,54 | 4,24180 | 229,285 | 3,62298 | 229,285 | 3,09445 | 229,285 |
| 0,56 | 4,58660 | 230,238 | 3,91748 | 230,238 | 3,34598 | 230,238 |
| 0,58 | 4,94771 | 231,226 | 4,22591 | 231,226 | 3,60942 | 231,226 |
| | | | | | | |
| 0,60 | 5,32559+3 | 232,249 | 4,54866+3 | 232,249 | 3,88508+3 | 232,249 |
| 0,62 | 5,72067 | 233,306 | 4,88610 | 233,306 | 4,17330 | 233,306 |
| 0,64 | 6,13342 | 234,398 | 5,23864 | 234,398 | 4,47441 | 234,398 |
| 0,66 | 6,56435 | 235,525 | 5,60671 | 235,525 | 4,78878 | 235,525 |
| 0,68 | 7,01397 | 236,686 | 5,99073 | 236,686 | 5,11678 | 236,686 |
| 0,70 | 7,48281 | 237,882 | 6,39117 | 237,882 | 5,45880 | 237,882 |
| 0,72 | 7,97142 | 239,112 | 6,80851 | 239,112 | 5,81525 | 239,112 |
| 0,74 | 8,48040 | 240,378 | 7,24323 | 240,378 | 6,18656 | 240,378 |
| 0,76 | 9,01035 | 241,677 | 7,69586 | 241,677 | 6,57316 | 241,677 |
| 0,78 | 9,56189 | 243,012 | 8,16694 | 243,012 | 6,97552 | 243,012 |
| | | | | | | |
| 0,80 | 1,01357+4 | 244,381 | 8,65703+3 | 244,381 | 7,39410+3 | 244,381 |
| 0,82 | 1,07324 | 245,185 | 9,16670 | 245,785 | 7,82942 | 245,185 |
| 0,84 | 1,13528 | 247,224 | 9,69655 | 247,224 | 8,28198 | 247,224 |
| 0,86 | 1,19975 | 248,697 | 1,02472+4 | 248,697 | 8,75232 | 248,697 |
| 0,88 | 1,26674 | 250,205 | 1,08194 | 250,205 | 9,24099 | 250,205 |
| 0,90 | 1,33631 | 251,747 | 1,14136 | 251,747 | 9,74857 | 251,747 |
| 0,92 | 1,40857 | 253,325 | 1,20308 | 253,325 | 1,02757+4 | 253,325 |
| 0,94 | 1,48358 | 254,936 | 1,26714 | 254,936 | 1,08229 | 254,936 |
| 0,96 | 1,56144 | 256,583 | 1,33364 | 256,583 | 1,13909 | 256,583 |
| 0,98 | 1,64223 | 258,264 | 1,40265 | 258,264 | 1,19803 | 258,264 |

Продолжение

М от 1,00 до 1,78

| М | H=12000 м | | H=13000 м | | H=14000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_A , Па | T_A , К | ρ_A , Па | T_A , К | ρ_A , Па | T_A , К |
| 1,00 | 1,72606+4 | 259,980 | 1,47426+4 | 259,980 | 1,25918+4 | 259,980 |
| 1,02 | 1,81299 | 261,731 | 1,51850 | 261,731 | 1,32260 | 261,731 |
| 1,04 | 1,90292 | 263,516 | 1,62531 | 263,516 | 1,38821 | 263,516 |
| 1,06 | 1,99577 | 265,336 | 1,70461 | 265,336 | 1,45594 | 265,336 |
| 1,08 | 2,09143 | 267,190 | 1,78632 | 267,190 | 1,52573 | 267,190 |
| 1,10 | 2,18983 | 269,079 | 1,87037 | 269,079 | 1,59751 | 269,079 |
| 1,12 | 2,29091 | 271,003 | 1,95669 | 271,003 | 1,67124 | 271,003 |
| 1,14 | 2,39458 | 272,962 | 2,04525 | 272,962 | 1,74688 | 272,962 |
| 1,16 | 2,50082 | 274,955 | 2,13598 | 274,955 | 1,82438 | 274,955 |
| 1,18 | 2,60955 | 276,983 | 2,22886 | 276,983 | 1,90370 | 276,983 |
| | | | | | | |
| 1,20 | 2,72075+4 | 279,045 | 2,32383+4 | 279,045 | 1,98482+4 | 279,045 |
| 1,22 | 2,83437 | 281,142 | 2,42088 | 281,142 | 2,06771 | 281,142 |
| 1,24 | 2,95038 | 283,274 | 2,51996 | 283,274 | 2,15234 | 283,274 |
| 1,26 | 3,06875 | 285,441 | 2,62106 | 285,441 | 2,23859 | 285,441 |
| 1,28 | 3,18911 | 287,642 | 2,72415 | 287,642 | 2,32674 | 287,642 |
| 1,30 | 3,31241 | 289,878 | 2,82920 | 289,878 | 2,41646 | 289,878 |
| 1,32 | 3,43772 | 292,148 | 2,93620 | 292,148 | 2,50783 | 292,148 |
| 1,34 | 3,56525 | 294,453 | 3,04513 | 294,453 | 2,60090 | 294,453 |
| 1,36 | 3,69503 | 296,793 | 3,15598 | 296,793 | 2,69557 | 296,793 |
| 1,38 | 3,82704 | 299,168 | 3,26872 | 299,168 | 2,79187 | 299,168 |
| | | | | | | |
| 1,40 | 3,96125+4 | 301,577 | 3,38336+4 | 301,577 | 2,88976+4 | 301,577 |
| 1,42 | 4,09765 | 304,021 | 3,49985 | 304,021 | 2,98929 | 304,021 |
| 1,44 | 4,23623 | 306,499 | 3,61823 | 306,499 | 3,09038 | 306,499 |
| 1,46 | 4,37698 | 309,012 | 3,73814 | 309,012 | 3,19306 | 309,012 |
| 1,48 | 4,51989 | 311,560 | 3,85950 | 311,560 | 3,29731 | 311,560 |
| 1,50 | 4,66491 | 314,142 | 3,98139 | 314,142 | 3,40313 | 314,142 |
| 1,52 | 4,81214 | 316,758 | 4,11011 | 316,758 | 3,51051 | 316,758 |
| 1,54 | 4,96146 | 319,409 | 4,23765 | 319,409 | 3,61941 | 319,409 |
| 1,56 | 5,11290 | 322,093 | 4,36700 | 322,093 | 3,72992 | 322,093 |
| 1,58 | 5,26616 | 324,812 | 4,49810 | 324,812 | 3,84195 | 324,812 |
| | | | | | | |
| 1,60 | 5,42212+4 | 327,565 | 4,63111+4 | 327,565 | 3,95551+4 | 327,565 |
| 1,62 | 5,57989 | 330,352 | 4,76585 | 330,352 | 4,07060 | 330,352 |
| 1,64 | 5,73975 | 333,174 | 4,90240 | 333,174 | 4,18722 | 333,174 |
| 1,66 | 5,90172 | 336,029 | 5,04075 | 336,029 | 4,30538 | 336,029 |
| 1,68 | 6,06577 | 338,918 | 5,18086 | 338,918 | 4,42505 | 338,918 |
| 1,70 | 6,23189 | 341,842 | 5,32274 | 341,842 | 4,54624 | 341,842 |
| 1,72 | 6,40009 | 344,799 | 5,46640 | 344,799 | 4,66894 | 344,799 |
| 1,74 | 6,57036 | 347,790 | 5,61184 | 347,790 | 4,79116 | 347,790 |
| 1,76 | 6,74270 | 350,815 | 5,75904 | 350,815 | 4,91839 | 350,815 |
| 1,78 | 6,91711 | 353,874 | 5,90800 | 353,874 | 5,04612 | 353,874 |

Продолжение

М от 1,80 до 2,58

| М | H=1000 м | | H=13000 м | | H=14000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_A , Па | T_0 , К | ρ_A , Па | T_0 , К | ρ_A , Па | T_0 , К |
| 1,80 | 7,09359+4 | 356,966 | 6,05873+4 | 356,966 | 5,17486+4 | 356,966 |
| 1,82 | 7,27212 | 360,092 | 6,21122 | 360,092 | 5,30510 | 360,092 |
| 1,84 | 7,45271 | 363,252 | 6,36549 | 363,252 | 5,43681 | 363,252 |
| 1,86 | 7,63536 | 366,446 | 6,52146 | 366,446 | 5,57009 | 366,446 |
| 1,88 | 7,82005 | 369,673 | 6,67922 | 369,673 | 5,70483 | 369,673 |
| 1,90 | 8,00680 | 372,933 | 6,83872 | 372,933 | 5,84106 | 372,933 |
| 1,92 | 8,19560 | 376,227 | 6,99997 | 376,227 | 5,97879 | 376,227 |
| 1,94 | 8,38644 | 379,554 | 7,16298 | 379,554 | 6,11801 | 379,554 |
| 1,96 | 8,57932 | 382,915 | 7,32772 | 382,915 | 6,25872 | 382,915 |
| 1,98 | 8,77425 | 386,309 | 7,49421 | 386,309 | 6,40093 | 386,309 |
| | | | | | | |
| 2,00 | 8,97122+4 | 389,736 | 7,66245+4 | 389,736 | 6,54462+4 | 389,736 |
| 2,02 | 9,17023 | 393,196 | 7,83243 | 393,196 | 6,68980 | 393,196 |
| 2,04 | 9,37128 | 396,689 | 8,00414 | 396,689 | 6,83647 | 396,689 |
| 2,06 | 9,57437 | 400,215 | 8,17740 | 400,215 | 6,98462 | 400,215 |
| 2,08 | 9,77949 | 403,774 | 8,35280 | 403,774 | 7,13426 | 403,774 |
| 2,10 | 9,98665 | 407,366 | 8,52974 | 407,366 | 7,28538 | 407,366 |
| 2,12 | 1,01958+5 | 410,991 | 8,70841 | 410,991 | 7,43799 | 410,991 |
| 2,14 | 1,04071 | 414,648 | 8,88882 | 414,648 | 7,59208 | 414,648 |
| 2,16 | 1,06203 | 418,338 | 9,07097 | 418,338 | 7,74766 | 418,338 |
| 2,18 | 1,08356 | 422,060 | 9,25485 | 422,060 | 7,90471 | 422,060 |
| | | | | | | |
| 2,20 | 1,10529+5 | 425,814 | 9,44046+4 | 425,814 | 8,06325+4 | 425,814 |
| 2,22 | 1,12723 | 429,601 | 9,62781 | 429,601 | 8,22327 | 429,601 |
| 2,24 | 1,14937 | 433,420 | 9,81690 | 433,420 | 8,38477 | 433,420 |
| 2,26 | 1,17171 | 437,272 | 1,00077+5 | 437,272 | 8,54775 | 437,272 |
| 2,28 | 1,19425 | 441,155 | 1,02003 | 441,155 | 8,71221 | 441,155 |
| 2,30 | 1,21700 | 445,070 | 1,03946 | 445,070 | 8,87815 | 445,070 |
| 2,32 | 1,23995 | 449,017 | 1,05906 | 449,017 | 9,04558 | 449,017 |
| 2,34 | 1,26310 | 452,996 | 1,07883 | 452,996 | 9,21448 | 452,996 |
| 2,36 | 1,28646 | 457,006 | 1,09878 | 457,006 | 9,38486 | 457,006 |
| 2,38 | 1,31001 | 461,048 | 1,11890 | 461,048 | 9,55672 | 461,048 |
| | | | | | | |
| 2,40 | 1,33378+5 | 465,121 | 1,13920+5 | 465,121 | 9,73006+4 | 465,121 |
| 2,42 | 1,35774 | 469,226 | 1,15966 | 469,226 | 9,90488 | 469,226 |
| 2,44 | 1,38191 | 473,362 | 1,18031 | 473,362 | 1,00812+5 | 473,362 |
| 2,46 | 1,40628 | 477,529 | 1,20112 | 477,529 | 1,02590 | 477,529 |
| 2,48 | 1,43085 | 481,727 | 1,22211 | 481,727 | 1,04282 | 481,727 |
| 2,50 | 1,45562 | 485,956 | 1,24327 | 485,956 | 1,06190 | 485,956 |
| 2,52 | 1,48060 | 490,215 | 1,26460 | 490,215 | 1,08012 | 490,215 |
| 2,54 | 1,50578 | 494,506 | 1,28611 | 494,506 | 1,09849 | 494,506 |
| 2,56 | 1,53117 | 498,827 | 1,30779 | 498,827 | 1,11700 | 498,827 |
| 2,58 | 1,55675 | 503,178 | 1,32964 | 503,178 | 1,13567 | 503,178 |

М от 2,60 до 3,38

| М | H=12000 м | | H=13000 м | | H=14000 м | |
|------|-------------------------------|---------------------------|-------------------------------|---------------------------|-------------------------------|---------------------------|
| | $\rho_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $\rho_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $\rho_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 2,60 | 1,58254+5 | 507,559 | 1,35167+5 | 507,559 | 1,15448+5 | 507,559 |
| 2,62 | 1,60853 | 511,971 | 1,37387 | 511,971 | 1,17345 | 511,971 |
| 2,64 | 1,63473 | 516,413 | 1,39625 | 516,413 | 1,19256 | 516,413 |
| 2,66 | 1,66113 | 520,885 | 1,41879 | 520,885 | 1,21181 | 520,885 |
| 2,68 | 1,68773 | 525,386 | 1,44151 | 525,386 | 1,23122 | 525,386 |
| 2,70 | 1,71453 | 529,918 | 1,46441 | 529,918 | 1,25077 | 529,918 |
| 2,72 | 1,74154 | 534,479 | 1,48747 | 534,479 | 1,27048 | 534,479 |
| 2,74 | 1,76875 | 539,069 | 1,51071 | 539,069 | 1,29033 | 539,069 |
| 2,76 | 1,79616 | 543,689 | 1,53413 | 543,689 | 1,31032 | 543,689 |
| 2,78 | 1,82378 | 548,338 | 1,55772 | 548,338 | 1,33047 | 548,338 |
| | | | | | | |
| 2,80 | 1,85160+5 | 553,016 | 1,58148+5 | 553,016 | 1,35077+5 | 553,016 |
| 2,82 | 1,87962 | 557,723 | 1,60541 | 557,723 | 1,37121 | 557,723 |
| 2,84 | 1,90785 | 562,459 | 1,62952 | 562,459 | 1,39180 | 562,459 |
| 2,86 | 1,93628 | 567,224 | 1,65380 | 567,224 | 1,41251 | 567,224 |
| 2,88 | 1,96491 | 572,017 | 1,67826 | 572,017 | 1,43343 | 572,017 |
| 2,90 | 1,99375 | 576,839 | 1,70289 | 576,839 | 1,45446 | 576,839 |
| 2,92 | 2,02279 | 581,689 | 1,72769 | 581,689 | 1,47565 | 581,689 |
| 2,94 | 2,05203 | 586,568 | 1,75267 | 586,568 | 1,49698 | 586,568 |
| 2,96 | 2,08148 | 591,475 | 1,77782 | 591,475 | 1,51846 | 591,475 |
| 2,98 | 2,11113 | 596,410 | 1,80315 | 596,410 | 1,54010 | 596,410 |
| | | | | | | |
| 3,00 | 2,14098+5 | 601,372 | 1,82864+5 | 601,372 | 1,56187+5 | 601,372 |
| 3,02 | 2,17104 | 606,363 | 1,85432 | 606,363 | 1,58380 | 606,363 |
| 3,04 | 2,20130 | 611,381 | 1,88016 | 611,381 | 1,60588 | 611,381 |
| 3,06 | 2,23177 | 616,427 | 1,90619 | 616,427 | 1,62810 | 616,427 |
| 3,08 | 2,26244 | 621,500 | 1,93238 | 621,500 | 1,65048 | 621,500 |
| 3,10 | 2,29331 | 626,601 | 1,95875 | 626,601 | 1,67300 | 626,601 |
| 3,12 | 2,32439 | 631,729 | 1,98529 | 631,729 | 1,69567 | 631,729 |
| 3,14 | 2,35567 | 636,884 | 2,01201 | 636,884 | 1,71849 | 636,884 |
| 3,16 | 2,38715 | 642,066 | 2,03890 | 642,066 | 1,74146 | 642,066 |
| 3,18 | 2,41884 | 647,275 | 2,06597 | 647,275 | 1,76458 | 647,275 |
| | | | | | | |
| 3,20 | 2,45074+5 | 652,511 | 2,09321+5 | 652,511 | 1,78784+5 | 652,511 |
| 3,22 | 2,48283 | 657,773 | 2,12062 | 657,773 | 1,81126 | 657,773 |
| 3,24 | 2,51513 | 663,063 | 2,14821 | 663,063 | 1,83482 | 663,063 |
| 3,26 | 2,54764 | 668,378 | 2,17597 | 668,378 | 1,85853 | 668,378 |
| 3,28 | 2,58035 | 673,720 | 2,20391 | 673,720 | 1,88240 | 673,720 |
| 3,30 | 2,61326 | 679,089 | 2,23203 | 679,089 | 1,90641 | 679,089 |
| 3,32 | 2,64638 | 684,483 | 2,26031 | 684,483 | 1,93057 | 684,483 |
| 3,34 | 2,67970 | 689,904 | 2,28877 | 689,904 | 1,95488 | 689,904 |
| 3,36 | 2,71323 | 695,351 | 2,31741 | 695,351 | 1,97934 | 695,351 |
| 3,38 | 2,74696 | 700,823 | 2,34622 | 700,823 | 2,00394 | 700,823 |

Продолжение

М от 3,40 до 4,18

| М | H=12000 м | | H=13000 м | | H=14000 м | |
|------|---------------------------|--------------------------|---------------------------|--------------------------|---------------------------|--------------------------|
| | $p_{\text{д}}, \text{Па}$ | $T_{\text{д}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{д}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{д}}, \text{К}$ |
| 3,40 | 2,78090+5 | 706,322 | 2,37521+5 | 706,322 | 2,02870+5 | 706,322 |
| 3,42 | 2,81504 | 711,846 | 2,40437 | 711,846 | 2,05361 | 711,846 |
| 3,44 | 2,84939 | 717,396 | 2,43370 | 717,396 | 2,07866 | 717,396 |
| 3,46 | 2,88394 | 722,971 | 2,46321 | 722,971 | 2,10387 | 722,971 |
| 3,48 | 2,91869 | 728,572 | 2,49290 | 728,572 | 2,12922 | 728,572 |
| 3,50 | 2,95365 | 734,198 | 2,52275 | 734,198 | 2,15473 | 734,198 |
| 3,52 | 2,98882 | 739,850 | 2,55279 | 739,850 | 2,18038 | 739,850 |
| 3,54 | 3,02418 | 745,527 | 2,58300 | 745,527 | 2,20618 | 745,527 |
| 3,56 | 3,05976 | 751,229 | 2,61338 | 751,229 | 2,23213 | 751,229 |
| 3,58 | 3,09554 | 756,956 | 2,64394 | 756,956 | 2,25823 | 756,956 |
| | | | | | | |
| 3,60 | 3,13152+5 | 762,708 | 2,67468+5 | 762,708 | 2,28448+5 | 762,708 |
| 3,62 | 3,16771 | 768,485 | 2,70559 | 768,485 | 2,31088 | 768,485 |
| 3,64 | 3,20410 | 774,287 | 2,73667 | 774,287 | 2,33743 | 774,287 |
| 3,66 | 3,24070 | 780,114 | 2,76793 | 780,114 | 2,36413 | 780,114 |
| 3,68 | 3,27750 | 785,965 | 2,79935 | 785,965 | 2,39098 | 785,965 |
| 3,70 | 3,31451 | 791,841 | 2,83097 | 791,841 | 2,41798 | 791,841 |
| 3,72 | 3,35173 | 797,742 | 2,86276 | 797,742 | 2,44513 | 797,742 |
| 3,74 | 3,38915 | 803,667 | 2,89472 | 803,667 | 2,47242 | 803,667 |
| 3,76 | 3,42677 | 809,616 | 2,92685 | 809,616 | 2,49987 | 809,616 |
| 3,78 | 3,46460 | 815,590 | 2,95916 | 815,590 | 2,52747 | 815,590 |
| | | | | | | |
| 3,80 | 3,50263+5 | 821,589 | 2,99165+5 | 821,589 | 2,55521+5 | 821,589 |
| 3,82 | 3,54087 | 827,611 | 3,02431 | 827,611 | 2,58311 | 827,611 |
| 3,84 | 3,57932 | 833,658 | 3,05715 | 833,658 | 2,61116 | 833,658 |
| 3,86 | 3,61797 | 839,729 | 3,09016 | 839,729 | 2,63935 | 839,729 |
| 3,88 | 3,65689 | 845,824 | 3,12334 | 845,824 | 2,66770 | 845,824 |
| 3,90 | 3,69588 | 851,943 | 3,15671 | 851,943 | 2,69619 | 851,943 |
| 3,92 | 3,73515 | 858,086 | 3,19024 | 858,086 | 2,72484 | 858,086 |
| 3,94 | 3,77462 | 864,252 | 3,22396 | 864,252 | 2,75363 | 864,252 |
| 3,96 | 3,81430 | 870,443 | 3,25785 | 870,443 | 2,78258 | 870,443 |
| 3,98 | 3,85418 | 876,658 | 3,29191 | 876,658 | 2,81167 | 876,658 |
| | | | | | | |
| 4,00 | 3,89427+5 | 882,896 | 3,32615+5 | 882,896 | 2,84092+5 | 882,896 |
| 4,02 | 3,93456 | 889,158 | 3,36057 | 889,158 | 2,87031 | 889,158 |
| 4,04 | 3,97506 | 895,444 | 3,39516 | 895,444 | 2,89983 | 895,444 |
| 4,06 | 4,01577 | 901,753 | 3,42992 | 901,753 | 2,92955 | 901,753 |
| 4,08 | 4,05668 | 908,086 | 3,46487 | 908,086 | 2,95940 | 908,086 |
| 4,10 | 4,09779 | 914,443 | 3,49998 | 914,443 | 2,98939 | 914,443 |
| 4,12 | 4,13912 | 920,823 | 3,53528 | 920,823 | 3,01954 | 920,823 |
| 4,14 | 4,18064 | 927,226 | 3,57075 | 927,226 | 3,04983 | 927,226 |
| 4,16 | 4,22238 | 933,653 | 3,60639 | 933,653 | 3,08028 | 933,653 |
| 4,18 | 4,26431 | 940,103 | 3,64221 | 940,103 | 3,11087 | 940,103 |

М от 4,20 до 4,80

| М | H=12000 м | | H=13000 м | | H=14000 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_A , Па | T_0 , К | p_A , Па | T_0 , К | p_A , Па | T_0 , К |
| 4,20 | 4,30646+5 | 946,577 | 3,67821+5 | 946,577 | 3,14161+5 | 946,577 |
| 4,22 | 4,34881 | 953,073 | 3,71438 | 953,073 | 3,17251 | 953,073 |
| 4,24 | 4,39136 | 959,593 | 3,75073 | 959,593 | 3,20355 | 959,593 |
| 4,26 | 4,43413 | 966,136 | 3,78725 | 966,136 | 3,23475 | 966,136 |
| 4,28 | 4,47709 | 972,702 | 3,82395 | 972,702 | 3,26610 | 972,702 |
| 4,30 | 4,52027 | 979,292 | 3,86082 | 979,292 | 3,29759 | 979,292 |
| 4,32 | 4,56365 | 985,904 | 3,89788 | 985,904 | 3,32924 | 985,904 |
| 4,34 | 4,60723 | 992,539 | 3,93510 | 992,539 | 3,36103 | 992,539 |
| 4,36 | 4,65102 | 999,198 | 3,97250 | 999,198 | 3,39298 | 999,198 |
| 4,38 | 4,69502 | 1005,88 | 4,01008 | 1005,88 | 3,42508 | 1005,88 |
| | | | | | | |
| 4,40 | 4,73922+5 | 1012,58 | 4,04784+5 | 1012,58 | 3,45732+5 | 1012,58 |
| 4,42 | 4,78363 | 1019,31 | 4,08577 | 1019,31 | 3,48972 | 1019,31 |
| 4,44 | 4,82825 | 1026,06 | 4,12388 | 1026,06 | 3,52227 | 1026,06 |
| 4,46 | 4,87307 | 1032,83 | 4,16216 | 1032,83 | 3,55497 | 1032,83 |
| 4,48 | 4,91810 | 1039,63 | 4,20062 | 1039,63 | 3,58781 | 1039,63 |
| 4,50 | 4,96333 | 1046,45 | 4,23925 | 1046,45 | 3,62081 | 1046,45 |
| 4,52 | 5,00877 | 1053,29 | 4,27806 | 1053,29 | 3,65396 | 1053,29 |
| 4,54 | 5,05442 | 1060,15 | 4,31705 | 1060,15 | 3,68726 | 1060,15 |
| 4,56 | 5,10027 | 1067,03 | 4,35622 | 1067,03 | 3,72071 | 1067,03 |
| 4,58 | 5,14633 | 1073,94 | 4,39556 | 1073,94 | 3,75431 | 1073,94 |
| | | | | | | |
| 4,60 | 5,19260+5 | 1080,87 | 4,43507+5 | 1080,87 | 3,78807+5 | 1080,87 |
| 4,62 | 5,23907 | 1087,81 | 4,47477 | 1087,83 | 3,82197 | 1087,83 |
| 4,64 | 5,28575 | 1094,80 | 4,51463 | 1094,80 | 3,85602 | 1094,80 |
| 4,66 | 5,33264 | 1101,80 | 4,55468 | 1101,80 | 3,89022 | 1101,80 |
| 4,68 | 5,37973 | 1108,82 | 4,59490 | 1108,82 | 3,92458 | 1108,82 |
| 4,70 | 5,42703 | 1115,85 | 4,63530 | 1115,86 | 3,95908 | 1115,86 |
| 4,72 | 5,47453 | 1122,93 | 4,67588 | 1122,93 | 3,99374 | 1122,93 |
| 4,74 | 5,52224 | 1130,01 | 4,71663 | 1130,01 | 4,02855 | 1130,01 |
| 4,76 | 5,57016 | 1137,12 | 4,75756 | 1137,12 | 4,06350 | 1137,12 |
| 4,78 | 5,61829 | 1144,25 | 4,79866 | 1144,25 | 4,09861 | 1144,25 |
| | | | | | | |
| 4,80 | 5,66662+5 | 1151,40 | 4,83994+5 | 1151,40 | 4,13387+5 | 1151,40 |

Продолжение

М от 0,02 до 0,78

| М | H=1500 м | | H=1600 м | | H=1700 м | |
|------|----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------|
| | $P_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $P_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $P_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 0,02 | 3,37280+0 | 216,667 | 2,88076+0 | 216,667 | 2,46050+0 | 216,667 |
| 0,04 | 1,34952+1 | 216,719 | 1,15265+1 | 216,719 | 9,81495 | 216,719 |
| 0,06 | 3,03795 | 216,806 | 2,59476 | 216,806 | 2,21622+1 | 216,806 |
| 0,08 | 5,40457 | 216,927 | 4,61613 | 216,927 | 3,94271 | 216,927 |
| 0,10 | 8,45225 | 217,083 | 7,21920 | 217,083 | 6,16603 | 217,083 |
| 0,12 | 1,21846+2 | 217,274 | 1,04071+2 | 217,274 | 8,88885 | 217,274 |
| 0,14 | 1,66062 | 217,499 | 1,41836 | 217,499 | 1,21144+2 | 217,499 |
| 0,16 | 2,17222 | 217,759 | 1,85533 | 217,759 | 1,58467 | 217,759 |
| 0,18 | 2,75389 | 218,054 | 2,35214 | 218,054 | 2,00900 | 218,054 |
| 0,20 | 3,40632+2 | 218,383 | 2,90939+2 | 218,383 | 2,48496+2 | 218,383 |
| 0,22 | 4,13029 | 218,747 | 3,52775 | 218,747 | 3,01310 | 218,747 |
| 0,24 | 4,92668 | 219,146 | 4,20795 | 219,146 | 3,59408 | 219,146 |
| 0,26 | 5,79643 | 219,579 | 4,95082 | 219,579 | 4,22857 | 219,579 |
| 0,28 | 6,74059 | 220,047 | 5,75725 | 220,047 | 4,91736 | 220,047 |
| 0,30 | 7,76030 | 220,550 | 6,62820 | 220,550 | 5,66125 | 220,550 |
| 0,32 | 8,85678 | 221,087 | 7,56472 | 221,087 | 6,46114 | 221,087 |
| 0,34 | 1,00313+3 | 221,659 | 8,56793 | 221,659 | 7,31800 | 221,659 |
| 0,36 | 1,12854 | 222,266 | 9,63903 | 222,266 | 8,23285 | 222,266 |
| 0,38 | 1,26201 | 222,907 | 1,07793+3 | 222,907 | 9,20679 | 222,907 |
| 0,40 | 1,40381+3 | 223,583 | 1,19902+3 | 223,583 | 1,02410+3 | 223,583 |
| 0,42 | 1,55400 | 224,293 | 1,32730 | 224,293 | 1,13367 | 224,293 |
| 0,44 | 1,71281 | 225,039 | 1,46294 | 225,039 | 1,24952 | 225,039 |
| 0,46 | 1,88041 | 225,819 | 1,60609 | 225,819 | 1,37179 | 225,819 |
| 0,48 | 2,05702 | 226,633 | 1,75693 | 226,633 | 1,50062 | 226,633 |
| 0,50 | 2,24284 | 227,483 | 1,91564 | 227,483 | 1,63618 | 227,483 |
| 0,52 | 2,43809 | 228,366 | 2,08241 | 228,366 | 1,77862 | 228,366 |
| 0,54 | 2,64301 | 229,285 | 2,25744 | 229,285 | 1,92811 | 229,285 |
| 0,56 | 2,85785 | 230,238 | 2,44093 | 230,238 | 2,08484 | 230,238 |
| 0,58 | 3,08285 | 231,226 | 2,63312 | 231,226 | 2,24899 | 231,226 |
| 0,60 | 3,31830+3 | 232,249 | 2,83422+3 | 232,249 | 2,42075+3 | 232,249 |
| 0,62 | 3,56447 | 233,306 | 3,04447 | 233,306 | 2,60033 | 233,306 |
| 0,64 | 3,82166 | 234,398 | 3,26414 | 234,398 | 2,78795 | 234,398 |
| 0,66 | 4,09016 | 235,525 | 3,49417 | 235,525 | 2,98383 | 235,525 |
| 0,68 | 4,37031 | 236,686 | 3,73475 | 236,686 | 3,18820 | 236,686 |
| 0,70 | 4,66244 | 237,882 | 3,98226 | 237,882 | 3,40131 | 237,882 |
| 0,72 | 4,96689 | 239,112 | 4,24230 | 239,112 | 3,62342 | 239,112 |
| 0,74 | 5,28403 | 240,378 | 4,51317 | 240,378 | 3,85477 | 240,378 |
| 0,76 | 5,61423 | 241,677 | 4,79520 | 241,677 | 4,09566 | 241,677 |
| 0,78 | 5,95789 | 243,012 | 5,08873 | 243,012 | 4,34636 | 243,012 |

Продолжение

М от 0,80 до 1,58

| М | H=15000 м | | H=16000 м | | H=17000 м | |
|------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|--------------------|
| | ρ_{λ} , Па | $T_{0\lambda}$, К | ρ_{λ} , Па | $T_{0\lambda}$, К | ρ_{λ} , Па | $T_{0\lambda}$, К |
| 0,80 | 6,31541+3 | 244,381 | 5,39409+3 | 244,381 | 4,60718+3 | 244,381 |
| 0,82 | 6,68722 | 245,785 | 5,71166 | 245,785 | 4,87842 | 245,785 |
| 0,84 | 7,07376 | 247,224 | 6,04181 | 247,224 | 5,16040 | 247,224 |
| 0,86 | 7,47548 | 248,697 | 6,38493 | 248,697 | 5,45347 | 248,697 |
| 0,88 | 7,89286 | 250,205 | 6,74142 | 250,205 | 5,75795 | 250,205 |
| 0,90 | 8,32640 | 251,747 | 7,11171 | 251,747 | 6,07422 | 251,747 |
| 0,92 | 8,77659 | 253,325 | 7,49623 | 253,325 | 6,40265 | 253,325 |
| 0,94 | 9,24398 | 254,936 | 7,89543 | 254,936 | 6,74361 | 254,936 |
| 0,96 | 9,72911 | 256,583 | 8,30978 | 256,583 | 7,09752 | 256,583 |
| 0,98 | 1,02325+4 | 258,264 | 8,73978 | 258,264 | 7,46478 | 258,264 |
| 1,00 | 1,07549+4 | 259,980 | 9,18591+3 | 259,980 | 7,84583+3 | 259,980 |
| 1,02 | 1,12965 | 261,731 | 9,64851 | 261,731 | 8,24095 | 261,731 |
| 1,04 | 1,18569 | 263,516 | 1,01271+4 | 263,516 | 8,64975 | 263,516 |
| 1,06 | 1,24354 | 265,336 | 1,06213 | 265,336 | 9,07178 | 265,336 |
| 1,08 | 1,30314 | 267,190 | 1,11304 | 267,190 | 9,50662 | 267,190 |
| 1,10 | 1,36446 | 269,079 | 1,16540 | 269,079 | 9,95391 | 269,079 |
| 1,12 | 1,42743 | 271,003 | 1,21919 | 271,003 | 1,04133+4 | 271,003 |
| 1,14 | 1,49203 | 272,962 | 1,27437 | 272,962 | 1,08846 | 272,962 |
| 1,16 | 1,55823 | 274,955 | 1,33091 | 274,955 | 1,13675 | 274,955 |
| 1,18 | 1,62598 | 276,983 | 1,38877 | 276,983 | 1,18617 | 276,983 |
| 1,20 | 1,69526+4 | 279,045 | 1,44795+4 | 279,045 | 1,23672+4 | 279,045 |
| 1,22 | 1,76606 | 281,142 | 1,50842 | 281,142 | 1,28837 | 281,142 |
| 1,24 | 1,83834 | 283,274 | 1,57016 | 283,274 | 1,34110 | 283,274 |
| 1,26 | 1,91210 | 285,441 | 1,63315 | 285,441 | 1,39490 | 285,441 |
| 1,28 | 1,98730 | 287,642 | 1,69738 | 287,642 | 1,44976 | 287,642 |
| 1,30 | 2,06394 | 289,878 | 1,76284 | 289,878 | 1,50567 | 289,878 |
| 1,32 | 2,14200 | 292,148 | 1,82951 | 292,148 | 1,56262 | 292,148 |
| 1,34 | 2,22146 | 294,453 | 1,89739 | 294,453 | 1,62059 | 294,453 |
| 1,36 | 2,30233 | 296,793 | 1,96645 | 296,793 | 1,67958 | 296,793 |
| 1,38 | 2,38458 | 299,168 | 2,03670 | 299,168 | 1,73958 | 299,168 |
| 1,40 | 2,46820+4 | 301,577 | 2,10813+4 | 301,577 | 1,80059+4 | 301,577 |
| 1,42 | 2,55319 | 304,021 | 2,18072 | 304,021 | 1,86259 | 304,021 |
| 1,44 | 2,63954 | 306,499 | 2,25447 | 306,499 | 1,92558 | 306,499 |
| 1,46 | 2,72724 | 309,012 | 2,32938 | 309,012 | 1,98956 | 309,012 |
| 1,48 | 2,81628 | 311,560 | 2,40543 | 311,560 | 2,05452 | 311,560 |
| 1,50 | 2,90667 | 314,142 | 2,48263 | 314,142 | 2,12045 | 314,142 |
| 1,52 | 2,99838 | 316,758 | 2,56096 | 316,758 | 2,18736 | 316,758 |
| 1,54 | 3,09142 | 319,409 | 2,64043 | 319,409 | 2,25523 | 319,409 |
| 1,56 | 3,18578 | 322,093 | 2,72103 | 322,093 | 2,32407 | 322,093 |
| 1,58 | 3,28146 | 324,812 | 2,80275 | 324,812 | 2,39387 | 324,812 |

Продолжение

М от 1,60 до 2,38

| М | H=1500 м | | H=1600 м | | H=1700 м | |
|------|-------------------|-----------|-------------------|-----------|-------------------|-----------|
| | p_{Δ} , Па | T_0 , К | p_{Δ} , Па | T_0 , К | p_{Δ} , Па | T_0 , К |
| 1,60 | 3,37845+4 | 327,565 | 2,88559+4 | 327,565 | 2,46453+4 | 327,565 |
| 1,62 | 3,47676 | 330,352 | 2,96955 | 330,352 | 2,53534 | 330,352 |
| 1,64 | 3,57636 | 333,174 | 3,05463 | 333,174 | 2,60901 | 333,174 |
| 1,66 | 3,67729 | 336,029 | 3,14083 | 336,029 | 2,68263 | 336,029 |
| 1,68 | 3,77950 | 338,918 | 3,22813 | 338,918 | 2,75720 | 338,918 |
| 1,70 | 3,88301 | 341,842 | 3,31654 | 341,842 | 2,83271 | 341,842 |
| 1,72 | 3,98781 | 344,799 | 3,40605 | 344,799 | 2,90916 | 344,799 |
| 1,74 | 4,09391 | 347,790 | 3,49667 | 347,790 | 2,98656 | 347,790 |
| 1,76 | 4,20129 | 350,815 | 3,58839 | 350,815 | 3,06490 | 350,815 |
| 1,78 | 4,30996 | 353,874 | 3,68121 | 353,874 | 3,14418 | 353,874 |
| | | | | | | |
| 1,80 | 4,41992+4 | 356,966 | 3,77512+4 | 356,966 | 3,22439+4 | 356,966 |
| 1,82 | 4,53116 | 360,092 | 3,87014 | 360,092 | 3,30555 | 360,092 |
| 1,84 | 4,64369 | 363,252 | 3,96625 | 363,252 | 3,38763 | 363,252 |
| 1,86 | 4,75749 | 366,446 | 4,06345 | 366,446 | 3,47066 | 366,446 |
| 1,88 | 4,87257 | 369,673 | 4,16174 | 369,673 | 3,55461 | 369,673 |
| 1,90 | 4,98893 | 372,933 | 4,26113 | 372,933 | 3,63950 | 372,933 |
| 1,92 | 5,10657 | 376,227 | 4,36160 | 376,227 | 3,72531 | 376,227 |
| 1,94 | 5,22548 | 379,554 | 4,46317 | 379,554 | 3,81206 | 379,554 |
| 1,96 | 5,34567 | 382,915 | 4,56582 | 382,915 | 3,89974 | 382,915 |
| 1,98 | 5,46712 | 386,309 | 4,66956 | 386,309 | 3,98834 | 386,309 |
| | | | | | | |
| 2,00 | 5,58985+4 | 389,736 | 4,77438+4 | 389,736 | 4,07788+4 | 389,736 |
| 2,02 | 5,71385 | 393,196 | 4,88029 | 393,196 | 4,16834 | 393,196 |
| 2,04 | 5,83913 | 396,689 | 4,98729 | 396,689 | 4,25972 | 396,689 |
| 2,06 | 5,96567 | 400,215 | 5,09537 | 400,215 | 4,35204 | 400,215 |
| 2,08 | 6,09347 | 403,774 | 5,20453 | 403,774 | 4,44527 | 403,774 |
| 2,10 | 6,22255 | 407,366 | 5,31478 | 407,366 | 4,53944 | 407,366 |
| 2,12 | 6,35290 | 410,991 | 5,42611 | 410,991 | 4,63453 | 410,991 |
| 2,14 | 6,48451 | 414,648 | 5,53852 | 414,648 | 4,73054 | 414,648 |
| 2,16 | 6,61739 | 418,338 | 5,65201 | 418,338 | 4,82747 | 418,338 |
| 2,18 | 6,75153 | 422,060 | 5,76659 | 422,060 | 4,92533 | 422,060 |
| | | | | | | |
| 2,20 | 6,88694+4 | 425,814 | 5,88224+4 | 425,814 | 5,02412+4 | 425,814 |
| 2,22 | 7,02361 | 429,601 | 5,99898 | 429,601 | 5,12382 | 429,601 |
| 2,24 | 7,16155 | 433,420 | 6,11679 | 433,420 | 5,22445 | 433,420 |
| 2,26 | 7,30076 | 437,272 | 6,23569 | 437,272 | 5,32600 | 437,272 |
| 2,28 | 7,44123 | 441,155 | 6,35567 | 441,155 | 5,42848 | 441,155 |
| 2,30 | 7,58296 | 445,070 | 6,47672 | 445,070 | 5,53187 | 445,070 |
| 2,32 | 7,72596 | 449,017 | 6,59886 | 449,017 | 5,63619 | 449,017 |
| 2,34 | 7,87022 | 452,996 | 6,72208 | 452,996 | 5,74143 | 452,996 |
| 2,36 | 8,01574 | 457,006 | 6,84637 | 457,006 | 5,84760 | 457,006 |
| 2,38 | 8,16253 | 461,048 | 6,97175 | 461,048 | 5,95468 | 461,048 |

М от 2,40 до 3,18

| М | Н=15000 м | | Н=16000 м | | Н=17000 м | |
|------|------------|--------------|------------|--------------|------------|--------------|
| | P_A , Па | $T_{ст}$, К | P_A , Па | $T_{ст}$, К | P_A , Па | $T_{ст}$, К |
| 2,40 | 8,31059+4 | 465,121 | 7,09820+4 | 465,121 | 6,06269+4 | 465,121 |
| 2,42 | 8,45990 | 469,226 | 7,22573 | 469,226 | 6,17162 | 469,226 |
| 2,44 | 8,61048 | 473,362 | 7,35435 | 473,362 | 6,28147 | 473,362 |
| 2,46 | 8,76232 | 477,529 | 7,48404 | 477,529 | 6,39224 | 477,529 |
| 2,48 | 8,91543 | 481,727 | 7,61481 | 481,727 | 6,50393 | 481,727 |
| 2,50 | 9,06980 | 485,956 | 7,74666 | 485,956 | 6,61655 | 485,956 |
| 2,52 | 9,22544 | 490,215 | 7,87959 | 490,215 | 6,73008 | 490,215 |
| 2,54 | 9,38233 | 494,506 | 8,01360 | 494,506 | 6,84454 | 494,506 |
| 2,56 | 9,54050 | 498,827 | 8,14869 | 498,827 | 6,95992 | 498,827 |
| 2,58 | 9,69992 | 503,178 | 8,28485 | 503,178 | 7,07623 | 503,178 |
| 2,60 | 9,86061+4 | 507,559 | 8,42210+4 | 507,559 | 7,19345+4 | 507,559 |
| 2,62 | 1,00226+5 | 511,971 | 8,56043 | 511,971 | 7,31160 | 511,971 |
| 2,64 | 1,01858 | 516,413 | 8,69984 | 516,413 | 7,43037 | 516,413 |
| 2,66 | 1,03503 | 520,885 | 8,84033 | 520,885 | 7,55067 | 520,885 |
| 2,68 | 1,05160 | 525,386 | 8,98190 | 525,386 | 7,67158 | 525,386 |
| 2,70 | 1,06830 | 529,918 | 9,12455 | 529,918 | 7,79342 | 529,918 |
| 2,72 | 1,08513 | 534,479 | 9,26827 | 534,479 | 7,91618 | 534,479 |
| 2,74 | 1,10209 | 539,069 | 9,41308 | 539,069 | 8,03987 | 539,069 |
| 2,76 | 1,11917 | 543,689 | 9,55898 | 543,689 | 8,16447 | 543,689 |
| 2,78 | 1,13637 | 548,338 | 9,70595 | 548,338 | 8,29001 | 548,338 |
| 2,80 | 1,15371+5 | 553,016 | 9,85400+4 | 553,016 | 8,41646+4 | 553,016 |
| 2,82 | 1,17117 | 557,723 | 1,00031+5 | 557,723 | 8,54384 | 557,723 |
| 2,84 | 1,18876 | 562,459 | 1,01534 | 562,459 | 8,67214 | 562,459 |
| 2,86 | 1,20647 | 567,224 | 1,03047 | 567,224 | 8,80137 | 567,224 |
| 2,88 | 1,22431 | 572,017 | 1,04570 | 572,017 | 8,93152 | 572,017 |
| 2,90 | 1,24228 | 576,839 | 1,06106 | 576,839 | 9,06260 | 576,839 |
| 2,92 | 1,26037 | 581,689 | 1,07650 | 581,689 | 9,19460 | 581,689 |
| 2,94 | 1,27859 | 586,568 | 1,09207 | 586,568 | 9,32753 | 586,568 |
| 2,96 | 1,29694 | 591,475 | 1,10774 | 591,475 | 9,46138 | 591,475 |
| 2,98 | 1,31542 | 596,410 | 1,12352 | 596,410 | 9,59615 | 596,410 |
| 3,00 | 1,33402+5 | 601,372 | 1,13941+5 | 601,372 | 9,73186+4 | 601,372 |
| 3,02 | 1,35275 | 606,363 | 1,15540 | 606,363 | 9,85849 | 606,363 |
| 3,04 | 1,37160 | 611,381 | 1,17151 | 611,381 | 1,00060+5 | 611,381 |
| 3,06 | 1,39059 | 616,427 | 1,18772 | 616,427 | 1,01145 | 616,427 |
| 3,08 | 1,40970 | 621,500 | 1,20404 | 621,500 | 1,02839 | 621,500 |
| 3,10 | 1,42893 | 626,601 | 1,22047 | 626,601 | 1,04243 | 626,601 |
| 3,12 | 1,44830 | 631,729 | 1,23701 | 631,729 | 1,05655 | 631,729 |
| 3,14 | 1,46779 | 636,884 | 1,25366 | 636,884 | 1,07077 | 636,884 |
| 3,16 | 1,48740 | 642,066 | 1,27042 | 642,066 | 1,08508 | 642,066 |
| 3,18 | 1,50715 | 647,275 | 1,28728 | 647,275 | 1,09949 | 647,275 |

Продолжение

М от 3,20 до 3,98

| М | H=1500 м | | H=1600 м | | H=1700 м | |
|------|-------------------|-----------|-------------------|-----------|-------------------|-----------|
| | p_{Δ} , Па | T_0 , К | p_{Δ} , Па | T_0 , К | p_{Δ} , Па | T_0 , К |
| 3,20 | 1,52702+5 | 652,511 | 1,50425+5 | 652,511 | 1,11398+5 | 652,511 |
| 3,22 | 1,54702 | 657,773 | 1,52133 | 657,773 | 1,12857 | 657,773 |
| 3,24 | 1,56715 | 663,063 | 1,53853 | 663,063 | 1,14326 | 663,063 |
| 3,26 | 1,58740 | 668,378 | 1,55582 | 668,378 | 1,15803 | 668,378 |
| 3,28 | 1,60778 | 673,720 | 1,57323 | 673,720 | 1,17290 | 673,720 |
| 3,30 | 1,62829 | 679,089 | 1,59075 | 679,089 | 1,18786 | 679,089 |
| 3,32 | 1,64893 | 684,483 | 1,40837 | 684,483 | 1,20291 | 684,483 |
| 3,34 | 1,66969 | 689,904 | 1,42611 | 689,904 | 1,21806 | 689,904 |
| 3,36 | 1,69058 | 695,351 | 1,44395 | 695,351 | 1,23330 | 695,351 |
| 3,38 | 1,71160 | 700,823 | 1,46190 | 700,823 | 1,24863 | 700,823 |
| | | | | | | |
| 3,40 | 1,73274+5 | 706,322 | 1,47906+5 | 706,322 | 1,26406+5 | 706,322 |
| 3,42 | 1,75402 | 711,846 | 1,49813 | 711,846 | 1,27958 | 711,846 |
| 3,44 | 1,77542 | 717,396 | 1,51641 | 717,396 | 1,29519 | 717,396 |
| 3,46 | 1,79694 | 722,971 | 1,53480 | 722,971 | 1,31090 | 722,971 |
| 3,48 | 1,81860 | 728,572 | 1,55329 | 728,572 | 1,32669 | 728,572 |
| 3,50 | 1,84038 | 734,198 | 1,57190 | 734,198 | 1,34258 | 734,198 |
| 3,52 | 1,86229 | 739,850 | 1,59061 | 739,850 | 1,35857 | 739,850 |
| 3,54 | 1,88433 | 745,527 | 1,60944 | 745,527 | 1,37465 | 745,527 |
| 3,56 | 1,90650 | 751,229 | 1,62837 | 751,229 | 1,39082 | 751,229 |
| 3,58 | 1,92879 | 756,956 | 1,64741 | 756,956 | 1,40708 | 756,956 |
| | | | | | | |
| 3,60 | 1,95121+5 | 762,708 | 1,66656+5 | 762,708 | 1,42343+5 | 762,708 |
| 3,62 | 1,97376 | 768,485 | 1,68582 | 768,485 | 1,43988 | 768,485 |
| 3,64 | 1,99644 | 774,287 | 1,70519 | 774,287 | 1,45643 | 774,287 |
| 3,66 | 2,01924 | 780,114 | 1,72466 | 780,114 | 1,47306 | 780,114 |
| 3,68 | 2,04217 | 785,965 | 1,74425 | 785,965 | 1,48979 | 785,965 |
| 3,70 | 2,06523 | 791,841 | 1,76395 | 791,841 | 1,50661 | 791,841 |
| 3,72 | 2,08842 | 797,742 | 1,78375 | 797,742 | 1,52353 | 797,742 |
| 3,74 | 2,11173 | 803,667 | 1,80366 | 803,667 | 1,54054 | 803,667 |
| 3,76 | 2,13518 | 809,616 | 1,82369 | 809,616 | 1,55764 | 809,616 |
| 3,78 | 2,15875 | 815,590 | 1,84382 | 815,590 | 1,57484 | 815,590 |
| | | | | | | |
| 3,80 | 2,18245+5 | 821,589 | 1,86406+5 | 821,589 | 1,59212+5 | 821,589 |
| 3,82 | 2,20627 | 827,611 | 1,88441 | 827,611 | 1,60951 | 827,611 |
| 3,84 | 2,23024 | 833,658 | 1,90487 | 833,658 | 1,62698 | 833,658 |
| 3,86 | 2,25431 | 839,729 | 1,92544 | 839,729 | 1,64455 | 839,729 |
| 3,88 | 2,27852 | 845,824 | 1,94612 | 845,824 | 1,66221 | 845,824 |
| 3,90 | 2,30286 | 851,943 | 1,96691 | 851,943 | 1,67997 | 851,943 |
| 3,92 | 2,32732 | 858,086 | 1,98780 | 858,086 | 1,69782 | 858,086 |
| 3,94 | 2,35192 | 864,252 | 2,00881 | 864,252 | 1,71576 | 864,252 |
| 3,96 | 2,37664 | 870,443 | 2,02993 | 870,443 | 1,73379 | 870,443 |
| 3,98 | 2,40149 | 876,658 | 2,05115 | 876,658 | 1,75192 | 876,658 |

М от 4,00 до 4,80

| М | H=15000 м | | H=16000 м | | H=17000 м | |
|------|----------------|--------------|----------------|--------------|----------------|--------------|
| | $P_{д^*}$, Па | $T_{ст}$, К | $P_{д^*}$, Па | $T_{ст}$, К | $P_{д^*}$, Па | $T_{ст}$, К |
| 4,00 | 2,42647+5 | 882,896 | 2,07249+5 | 882,896 | 1,77014+5 | 882,896 |
| 4,02 | 2,45158 | 889,158 | 2,09303 | 889,158 | 1,78846 | 889,158 |
| 4,04 | 2,47681 | 895,444 | 2,11548 | 895,444 | 1,80687 | 895,444 |
| 4,06 | 2,50217 | 901,753 | 2,13715 | 901,753 | 1,82537 | 901,753 |
| 4,08 | 2,52766 | 908,086 | 2,15892 | 908,086 | 1,84397 | 908,086 |
| 4,10 | 2,55328 | 914,443 | 2,18080 | 914,443 | 1,86265 | 914,443 |
| 4,12 | 2,57903 | 920,823 | 2,20279 | 920,823 | 1,88144 | 920,823 |
| 4,14 | 2,60490 | 927,226 | 2,22489 | 927,226 | 1,90031 | 927,226 |
| 4,16 | 2,63091 | 933,653 | 2,24710 | 933,653 | 1,91928 | 933,653 |
| 4,18 | 2,65704 | 940,103 | 2,26942 | 940,103 | 1,93835 | 940,103 |
| | | | | | | |
| 4,20 | 2,68330+5 | 946,577 | 2,29185+5 | 946,577 | 1,95750+5 | 946,577 |
| 4,22 | 2,70969 | 953,073 | 2,31439 | 953,073 | 1,97675 | 953,073 |
| 4,24 | 2,73620 | 959,593 | 2,33703 | 959,593 | 1,99610 | 959,593 |
| 4,26 | 2,76285 | 966,136 | 2,35979 | 966,136 | 2,01554 | 966,136 |
| 4,28 | 2,78962 | 972,702 | 2,38266 | 972,702 | 2,03507 | 972,702 |
| 4,30 | 2,81652 | 979,292 | 2,40563 | 979,292 | 2,05469 | 979,292 |
| 4,32 | 2,84355 | 985,904 | 2,42872 | 985,904 | 2,07441 | 985,904 |
| 4,34 | 2,87071 | 992,539 | 2,45192 | 992,539 | 2,09422 | 992,539 |
| 4,36 | 2,89799 | 999,198 | 2,47522 | 999,198 | 2,11413 | 999,198 |
| 4,38 | 2,92541 | 1005,88 | 2,49854 | 1005,88 | 2,13412 | 1005,88 |
| | | | | | | |
| 4,40 | 2,95295+5 | 1012,58 | 2,52216+5 | 1012,58 | 2,15422+5 | 1012,58 |
| 4,42 | 2,98062 | 1019,31 | 2,54579 | 1019,31 | 2,17440 | 1019,31 |
| 4,44 | 3,00842 | 1026,06 | 2,56954 | 1026,06 | 2,19468 | 1026,06 |
| 4,46 | 3,03635 | 1032,83 | 2,59339 | 1032,83 | 2,21506 | 1032,83 |
| 4,48 | 3,06440 | 1039,63 | 2,61736 | 1039,63 | 2,23553 | 1039,63 |
| 4,50 | 3,09259 | 1046,45 | 2,64143 | 1046,45 | 2,25609 | 1046,45 |
| 4,52 | 3,12090 | 1053,29 | 2,66561 | 1053,29 | 2,27674 | 1053,29 |
| 4,54 | 3,14934 | 1060,15 | 2,68990 | 1060,15 | 2,29749 | 1060,15 |
| 4,56 | 3,17792 | 1067,03 | 2,71431 | 1067,03 | 2,31833 | 1067,03 |
| 4,58 | 3,20661 | 1073,94 | 2,73882 | 1073,94 | 2,33927 | 1073,94 |
| | | | | | | |
| 4,60 | 3,23544+5 | 1080,87 | 2,76344+5 | 1080,87 | 2,36030+5 | 1080,87 |
| 4,62 | 3,26440 | 1087,83 | 2,78817 | 1087,83 | 2,38142 | 1087,83 |
| 4,64 | 3,29348 | 1094,80 | 2,81302 | 1094,80 | 2,40264 | 1094,80 |
| 4,66 | 3,32270 | 1101,80 | 2,83797 | 1101,80 | 2,42395 | 1101,80 |
| 4,68 | 3,35204 | 1108,82 | 2,86303 | 1108,82 | 2,44536 | 1108,82 |
| 4,70 | 3,38151 | 1115,86 | 2,88820 | 1115,86 | 2,46685 | 1115,86 |
| 4,72 | 3,41111 | 1122,93 | 2,91348 | 1122,93 | 2,48845 | 1122,93 |
| 4,74 | 3,44084 | 1130,01 | 2,93887 | 1130,01 | 2,51014 | 1130,01 |
| 4,76 | 3,47070 | 1137,12 | 2,96438 | 1137,12 | 2,53192 | 1137,12 |
| 4,78 | 3,50068 | 1144,25 | 2,98999 | 1144,25 | 2,55380 | 1144,25 |
| 4,80 | 3,53080+5 | 1151,40 | 3,01571+5 | 1151,40 | 2,57577+5 | 1151,40 |

Продолжение

М от 0,02 до 0,78

| М | H=18000 м | | H=19000 м | | H=20000 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_A , Па | T_A , К | p_A , Па | T_A , К | p_A , Па | T_A , К |
| 0,02 | 2,10155+0 | 216,667 | 1,79497+0 | 216,667 | 1,53311+0 | 216,667 |
| 0,04 | 8,40874 | 216,719 | 7,18203 | 216,719 | 6,13429 | 216,719 |
| 0,06 | 1,89291+1 | 216,806 | 1,61676+1 | 216,806 | 1,38091+1 | 216,806 |
| 0,08 | 3,36753 | 216,927 | 2,87626 | 216,927 | 2,45666 | 216,927 |
| 0,10 | 5,26651 | 217,083 | 4,49820 | 217,083 | 3,84199 | 217,083 |
| 0,12 | 7,59211 | 217,274 | 6,48454 | 217,274 | 5,53856 | 217,274 |
| 0,14 | 1,03471+2 | 217,499 | 8,83764 | 217,499 | 7,54838 | 217,499 |
| 0,16 | 1,35349 | 217,759 | 1,15604+2 | 217,759 | 9,87389 | 217,759 |
| 0,18 | 1,71592 | 218,054 | 1,45559 | 218,054 | 1,25179+2 | 218,054 |
| 0,20 | 2,12244+2 | 218,383 | 1,81281+2 | 218,383 | 1,54835+2 | 218,383 |
| 0,22 | 2,57354 | 218,747 | 2,19810 | 218,747 | 1,87743 | 218,747 |
| 0,24 | 3,06976 | 219,146 | 2,62193 | 219,146 | 2,23913 | 219,146 |
| 0,26 | 3,61170 | 219,579 | 3,08480 | 219,579 | 2,63478 | 219,579 |
| 0,28 | 4,19999 | 220,047 | 3,58728 | 220,047 | 3,06396 | 220,047 |
| 0,30 | 4,83537 | 220,550 | 4,12996 | 220,550 | 3,52746 | 220,550 |
| 0,32 | 5,51857 | 221,087 | 4,71349 | 221,087 | 4,02587 | 221,087 |
| 0,34 | 6,25043 | 221,659 | 5,33858 | 221,659 | 4,55977 | 221,659 |
| 0,36 | 7,03182 | 222,266 | 6,00598 | 222,266 | 5,12960 | 222,266 |
| 0,38 | 7,86367 | 222,907 | 6,71648 | 222,907 | 5,73665 | 222,907 |
| 0,40 | 8,74699+2 | 223,583 | 7,47094+2 | 223,583 | 6,38105+2 | 223,583 |
| 0,42 | 9,68281 | 224,293 | 8,27025 | 224,293 | 7,06376 | 224,293 |
| 0,44 | 1,06723+3 | 225,039 | 9,11540 | 225,039 | 7,78561 | 225,039 |
| 0,46 | 1,17167 | 225,819 | 1,00074+3 | 225,819 | 8,54746 | 225,819 |
| 0,48 | 1,28171 | 226,633 | 1,09473 | 226,633 | 9,35023 | 226,633 |
| 0,50 | 1,39749 | 227,483 | 1,19362 | 227,483 | 1,01949+3 | 227,483 |
| 0,52 | 1,51915 | 228,366 | 1,29753 | 228,366 | 1,10824 | 228,366 |
| 0,54 | 1,64683 | 229,285 | 1,40659 | 229,285 | 1,20139 | 229,285 |
| 0,56 | 1,78070 | 230,238 | 1,52092 | 230,238 | 1,29904 | 230,238 |
| 0,58 | 1,92090 | 231,226 | 1,64067 | 231,226 | 1,40132 | 231,226 |
| 0,60 | 2,06760+3 | 232,249 | 1,76597+3 | 232,249 | 1,50834+3 | 232,249 |
| 0,62 | 2,22099 | 233,306 | 1,89698 | 233,306 | 1,62024 | 233,306 |
| 0,64 | 2,38124 | 234,398 | 2,03385 | 234,398 | 1,73714 | 234,398 |
| 0,66 | 2,54854 | 235,525 | 2,17676 | 235,525 | 1,85919 | 235,525 |
| 0,68 | 2,72310 | 236,686 | 2,32584 | 236,686 | 1,98054 | 236,686 |
| 0,70 | 2,90512 | 237,882 | 2,48130 | 237,882 | 2,11932 | 237,882 |
| 0,72 | 3,09482 | 239,112 | 2,64333 | 239,112 | 2,25771 | 239,112 |
| 0,74 | 3,29242 | 240,378 | 2,81211 | 240,378 | 2,40187 | 240,378 |
| 0,76 | 3,49817 | 241,677 | 2,98781 | 241,677 | 2,55196 | 241,677 |
| 0,78 | 3,71230 | 243,012 | 3,17073 | 243,012 | 2,70817 | 243,012 |

М от 0,80 до 1,58

| М | H=18000 м | | H=19000 м | | H=20000 м | |
|------|-------------------|------------------|-------------------|------------------|-------------------|------------------|
| | p_{Δ} , Па | T_{Δ} , К | p_{Δ} , Па | T_{Δ} , К | p_{Δ} , Па | T_{Δ} , К |
| 0,80 | 3,93507+3 | 244,381 | 3,36100+3 | 244,381 | 2,87069+3 | 244,381 |
| 0,82 | 4,16674 | 245,785 | 3,55887 | 245,785 | 3,03969 | 245,785 |
| 0,84 | 4,40759 | 247,224 | 3,76458 | 247,224 | 3,21539 | 247,224 |
| 0,86 | 4,65790 | 248,697 | 3,97838 | 248,697 | 3,39800 | 248,697 |
| 0,88 | 4,91795 | 250,205 | 4,20050 | 250,205 | 3,58772 | 250,205 |
| 0,90 | 1,18809 | 251,747 | 4,43123 | 251,747 | 3,78478 | 251,747 |
| 0,92 | 5,46951 | 253,325 | 4,67082 | 253,325 | 3,98942 | 253,325 |
| 0,94 | 5,75983 | 254,936 | 4,91956 | 254,936 | 4,20187 | 254,936 |
| 0,96 | 6,06211 | 256,583 | 5,17774 | 256,583 | 4,42239 | 256,583 |
| 0,98 | 6,37580 | 258,264 | 5,44566 | 258,264 | 4,65123 | 258,264 |
| | | | | | | |
| 1,00 | 6,70126+3 | 259,980 | 5,72364+3 | 259,980 | 4,88866+3 | 259,980 |
| 1,02 | 7,03873 | 261,731 | 6,01188 | 261,731 | 5,13485 | 261,731 |
| 1,04 | 7,38790 | 263,516 | 6,31011 | 263,516 | 5,38957 | 263,516 |
| 1,06 | 7,74895 | 265,336 | 6,61799 | 265,336 | 5,65253 | 265,336 |
| 1,08 | 8,11976 | 267,190 | 6,93521 | 267,190 | 5,92347 | 267,190 |
| 1,10 | 8,50180 | 269,079 | 7,26151 | 269,079 | 6,20217 | 269,079 |
| 1,12 | 8,89419 | 271,003 | 7,59666 | 271,003 | 6,48843 | 271,003 |
| 1,14 | 9,29672 | 272,962 | 7,94046 | 272,962 | 6,78208 | 272,962 |
| 1,16 | 9,70915 | 274,955 | 8,29273 | 274,955 | 7,08296 | 274,955 |
| 1,18 | 1,01313+4 | 276,983 | 8,65330 | 276,983 | 7,39093 | 276,983 |
| | | | | | | |
| 1,20 | 1,05630+4 | 279,045 | 9,02203+3 | 279,045 | 7,70587+3 | 279,045 |
| 1,22 | 1,10041 | 281,142 | 9,39880 | 281,142 | 8,02767 | 281,142 |
| 1,24 | 1,14545 | 283,274 | 9,78348 | 283,274 | 8,35624 | 283,274 |
| 1,26 | 1,19141 | 285,441 | 1,01760+4 | 285,441 | 8,69148 | 285,441 |
| 1,28 | 1,23827 | 287,642 | 1,05762 | 287,642 | 9,03331 | 287,642 |
| 1,30 | 1,28602 | 289,878 | 1,09841 | 289,878 | 9,38168 | 289,878 |
| 1,32 | 1,33466 | 292,148 | 1,13995 | 292,148 | 9,73650 | 292,148 |
| 1,34 | 1,38417 | 294,453 | 1,18224 | 294,453 | 1,00977+4 | 294,453 |
| 1,36 | 1,43456 | 296,793 | 1,22528 | 296,793 | 1,04653 | 296,793 |
| 1,38 | 1,48581 | 299,168 | 1,26905 | 299,168 | 1,08391 | 299,168 |
| | | | | | | |
| 1,40 | 1,53791+4 | 301,577 | 1,31355+4 | 301,577 | 1,12193+4 | 301,577 |
| 1,42 | 1,59087 | 304,021 | 1,35878 | 304,021 | 1,16056 | 304,021 |
| 1,44 | 1,64467 | 306,499 | 1,40474 | 306,499 | 1,19981 | 306,499 |
| 1,46 | 1,69932 | 309,012 | 1,45141 | 309,012 | 1,23967 | 309,012 |
| 1,48 | 1,75480 | 311,560 | 1,49890 | 311,560 | 1,28015 | 311,560 |
| 1,50 | 1,81111 | 314,142 | 1,54690 | 314,142 | 1,32123 | 314,142 |
| 1,52 | 1,86826 | 316,758 | 1,59571 | 316,758 | 1,36292 | 316,758 |
| 1,54 | 1,92623 | 319,409 | 1,64522 | 319,409 | 1,40521 | 319,409 |
| 1,56 | 1,98503 | 322,093 | 1,69544 | 322,093 | 1,44810 | 322,093 |
| 1,58 | 2,04465 | 324,812 | 1,74636 | 324,812 | 1,49160 | 324,812 |

Продолжение

М от 1,60 до 2,38

| М | H=18000 м | | H=19000 м | | H=20000 м | |
|------|------------------|--------------|------------------|--------------|------------------|--------------|
| | $\rho_{ст}$, Па | $T_{ст}$, К | $\rho_{ст}$, Па | $T_{ст}$, К | $\rho_{ст}$, Па | $T_{ст}$, К |
| 1,60 | 2,10508+4 | 327,565 | 1,79798+4 | 327,565 | 1,53568+4 | 327,565 |
| 1,62 | 2,16633 | 330,352 | 1,85030 | 330,352 | 1,58037 | 330,352 |
| 1,64 | 2,22840 | 333,174 | 1,90331 | 333,174 | 1,62565 | 333,174 |
| 1,66 | 2,29128 | 336,029 | 1,95702 | 336,029 | 1,67152 | 336,029 |
| 1,68 | 2,35497 | 338,918 | 2,01141 | 338,918 | 1,71798 | 338,918 |
| 1,70 | 2,41946 | 341,842 | 2,06650 | 341,842 | 1,76503 | 341,842 |
| 1,72 | 2,48476 | 344,799 | 2,12227 | 344,799 | 1,81267 | 344,799 |
| 1,74 | 2,55087 | 347,790 | 2,17874 | 347,790 | 1,86090 | 347,790 |
| 1,76 | 2,61778 | 350,815 | 2,23589 | 350,815 | 1,90971 | 350,815 |
| 1,78 | 2,68549 | 353,874 | 2,29372 | 353,874 | 1,95910 | 353,874 |
| | | | | | | |
| 1,80 | 2,75401+4 | 356,966 | 2,35221+4 | 356,966 | 2,00909+4 | 356,966 |
| 1,82 | 2,82332 | 360,092 | 2,41144 | 360,092 | 2,05965 | 360,092 |
| 1,84 | 2,89343 | 363,252 | 2,47132 | 363,252 | 2,11080 | 363,252 |
| 1,86 | 2,96434 | 366,446 | 2,53189 | 366,446 | 2,16253 | 366,446 |
| 1,88 | 3,03605 | 369,673 | 2,59314 | 369,673 | 2,21484 | 369,673 |
| 1,90 | 3,10855 | 372,933 | 2,65506 | 372,933 | 2,26773 | 372,933 |
| 1,92 | 3,18185 | 376,227 | 2,71767 | 376,227 | 2,32120 | 376,227 |
| 1,94 | 3,25594 | 379,554 | 2,78095 | 379,554 | 2,37526 | 379,554 |
| 1,96 | 3,33083 | 382,915 | 2,84491 | 382,915 | 2,42989 | 382,915 |
| 1,98 | 3,40651 | 386,309 | 2,90955 | 386,309 | 2,48509 | 386,309 |
| | | | | | | |
| 2,00 | 3,48298+4 | 389,736 | 2,97487+4 | 389,736 | 2,54088+4 | 389,736 |
| 2,02 | 3,56024 | 393,196 | 3,04086 | 393,196 | 2,59725 | 393,196 |
| 2,04 | 3,63830 | 396,689 | 3,10752 | 396,689 | 2,65419 | 396,689 |
| 2,06 | 3,71715 | 400,215 | 3,17487 | 400,215 | 2,71171 | 400,215 |
| 2,08 | 3,79678 | 403,774 | 3,24289 | 403,774 | 2,76980 | 403,774 |
| 2,10 | 3,87721 | 407,366 | 3,31158 | 407,366 | 2,82848 | 407,366 |
| 2,12 | 3,95842 | 410,991 | 3,38095 | 410,991 | 2,88772 | 410,991 |
| 2,14 | 4,04043 | 414,648 | 3,45099 | 414,648 | 2,94755 | 414,648 |
| 2,16 | 4,12322 | 418,338 | 3,52171 | 418,338 | 3,00796 | 418,338 |
| 2,18 | 4,20681 | 422,060 | 3,59310 | 422,060 | 3,06892 | 422,060 |
| | | | | | | |
| 2,20 | 4,29118+4 | 425,814 | 3,66516+4 | 425,814 | 3,13047+4 | 425,814 |
| 2,22 | 4,37634 | 429,601 | 3,73790 | 429,601 | 3,19260 | 429,601 |
| 2,24 | 4,46229 | 433,420 | 3,81131 | 433,420 | 3,25530 | 433,420 |
| 2,26 | 4,54903 | 437,272 | 3,88539 | 437,272 | 3,31858 | 437,272 |
| 2,28 | 4,63655 | 441,155 | 3,96015 | 441,155 | 3,38243 | 441,155 |
| 2,30 | 4,72486 | 445,070 | 4,03558 | 445,070 | 3,44685 | 445,070 |
| 2,32 | 4,81397 | 449,017 | 4,11163 | 449,017 | 3,51185 | 449,017 |
| 2,34 | 4,90385 | 452,996 | 4,18845 | 452,996 | 3,57743 | 452,996 |
| 2,36 | 4,99453 | 457,006 | 4,26590 | 457,006 | 3,64358 | 457,006 |
| 2,38 | 5,08599 | 461,048 | 4,34402 | 461,048 | 3,71030 | 461,048 |

Продолжение

М от 2,40 до 3,18

| М | H=18000 м | | H=19000 м | | H=20000 м | |
|------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К |
| 2,40 | 5,17824+4 | 465,121 | 4,42281+4 | 465,121 | 3,77760+4 | 465,121 |
| 2,42 | 5,27128 | 469,226 | 4,50328 | 469,226 | 3,84547 | 469,226 |
| 2,44 | 5,36510 | 473,362 | 4,58241 | 473,362 | 3,91391 | 473,362 |
| 2,46 | 5,45971 | 477,529 | 4,66322 | 477,529 | 3,98294 | 477,529 |
| 2,48 | 5,55511 | 481,727 | 4,74470 | 481,727 | 4,05253 | 481,727 |
| 2,50 | 5,65130 | 485,956 | 4,82686 | 485,956 | 4,12270 | 485,956 |
| 2,52 | 5,74827 | 490,215 | 4,90969 | 490,215 | 4,19344 | 490,215 |
| 2,54 | 5,84604 | 494,506 | 4,99319 | 494,506 | 4,26476 | 494,506 |
| 2,56 | 5,94459 | 498,827 | 5,07736 | 498,827 | 4,33666 | 498,827 |
| 2,58 | 6,04392 | 503,178 | 5,16220 | 503,178 | 4,40912 | 503,178 |
| | | | | | | |
| 2,60 | 6,14405+4 | 507,559 | 5,24772+4 | 507,559 | 4,48217+4 | 507,559 |
| 2,62 | 6,24496 | 511,971 | 5,33391 | 511,971 | 4,55578 | 511,971 |
| 2,64 | 6,34666 | 516,413 | 5,42078 | 516,413 | 4,62997 | 516,413 |
| 2,66 | 6,44915 | 520,885 | 5,50831 | 520,885 | 4,70474 | 520,885 |
| 2,68 | 6,55242 | 525,386 | 5,59652 | 525,386 | 4,78008 | 525,386 |
| 2,70 | 6,65649 | 529,918 | 5,68540 | 529,918 | 4,85600 | 529,918 |
| 2,72 | 6,76134 | 534,479 | 5,77496 | 534,479 | 4,93249 | 534,479 |
| 2,74 | 6,86698 | 539,069 | 5,86519 | 539,069 | 5,00956 | 539,069 |
| 2,76 | 6,97341 | 543,689 | 5,95609 | 543,689 | 5,08720 | 543,689 |
| 2,78 | 7,08063 | 548,338 | 6,04767 | 548,338 | 5,16542 | 548,338 |
| | | | | | | |
| 2,80 | 7,18864+4 | 553,016 | 6,13992+4 | 553,016 | 5,24421+4 | 553,016 |
| 2,82 | 7,29743 | 557,723 | 6,23285 | 557,723 | 5,32358 | 557,723 |
| 2,84 | 7,40702 | 562,459 | 6,32645 | 562,459 | 5,40352 | 562,459 |
| 2,86 | 7,51740 | 567,224 | 6,42072 | 567,224 | 5,48404 | 567,224 |
| 2,88 | 7,62856 | 572,017 | 6,51567 | 572,017 | 5,56514 | 572,017 |
| 2,90 | 7,74052 | 576,839 | 6,61129 | 576,839 | 5,64681 | 576,839 |
| 2,92 | 7,85326 | 581,689 | 6,70758 | 581,689 | 5,72906 | 581,689 |
| 2,94 | 7,96679 | 586,568 | 6,80456 | 586,568 | 5,81188 | 586,568 |
| 2,96 | 8,08112 | 591,475 | 6,90220 | 591,475 | 5,89529 | 591,475 |
| 2,98 | 8,19623 | 596,410 | 7,00052 | 596,410 | 5,97926 | 596,410 |
| | | | | | | |
| 3,00 | 8,31214+4 | 601,372 | 7,09952+4 | 601,372 | 6,06382+4 | 601,372 |
| 3,02 | 8,42884 | 606,363 | 7,19919 | 606,363 | 6,14895 | 606,363 |
| 3,04 | 8,54632 | 611,381 | 7,29954 | 611,381 | 6,23466 | 611,381 |
| 3,06 | 8,66460 | 616,427 | 7,40056 | 616,427 | 6,32094 | 616,427 |
| 3,08 | 8,78367 | 621,500 | 7,50226 | 621,500 | 6,40781 | 621,500 |
| 3,10 | 8,90353 | 626,601 | 7,60464 | 626,601 | 6,49525 | 626,601 |
| 3,12 | 9,02418 | 631,729 | 7,70769 | 631,729 | 6,58327 | 631,729 |
| 3,14 | 9,14563 | 636,884 | 7,81142 | 636,884 | 6,67186 | 636,884 |
| 3,16 | 9,26787 | 642,066 | 7,91582 | 642,066 | 6,76103 | 642,066 |
| 3,18 | 9,39090 | 647,275 | 8,02090 | 647,275 | 6,85078 | 647,275 |

Продолжение

М от 3,20 до 3,98

| М | H=1000 м | | H=1500 м | | H=2000 м | |
|------|------------------------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|
| | $\rho_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $\rho_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $\rho_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 3,20 | 9,51472+4 | 652,511 | 8,12656+4 | 652,511 | 6,94111+4 | 652,511 |
| 3,22 | 9,63933 | 657,773 | 8,23309 | 657,773 | 7,03202 | 657,773 |
| 3,24 | 9,76474 | 663,063 | 8,34020 | 663,063 | 7,12351 | 663,063 |
| 3,26 | 9,89094 | 668,378 | 8,44799 | 668,378 | 7,21557 | 668,378 |
| 3,28 | 1,00179+5 | 673,720 | 8,55646 | 673,720 | 7,30821 | 673,720 |
| 3,30 | 1,01457 | 679,089 | 8,66560 | 679,089 | 7,40144 | 679,089 |
| 3,32 | 1,02743 | 684,483 | 8,77542 | 684,483 | 7,49524 | 684,483 |
| 3,34 | 1,04037 | 689,904 | 8,88592 | 689,904 | 7,58961 | 689,904 |
| 3,36 | 1,05338 | 695,351 | 8,99710 | 695,351 | 7,68457 | 695,351 |
| 3,38 | 1,06648 | 700,823 | 9,10895 | 700,823 | 7,78011 | 700,823 |
| | | | | | | |
| 3,40 | 1,07965+5 | 706,322 | 9,22149+4 | 706,322 | 7,87623+4 | 706,322 |
| 3,42 | 1,09291 | 711,846 | 9,33470 | 711,846 | 7,97292 | 711,846 |
| 3,44 | 1,10624 | 717,396 | 9,44859 | 717,396 | 8,07020 | 717,396 |
| 3,46 | 1,11966 | 722,971 | 9,56316 | 722,971 | 8,16806 | 722,971 |
| 3,48 | 1,13315 | 728,572 | 9,67840 | 728,572 | 8,26649 | 728,572 |
| 3,50 | 1,14672 | 734,198 | 9,79433 | 734,198 | 8,36550 | 734,198 |
| 3,52 | 1,16038 | 739,850 | 9,91094 | 739,850 | 8,46509 | 739,850 |
| 3,54 | 1,17411 | 745,527 | 1,00282+5 | 745,527 | 8,56527 | 745,527 |
| 3,56 | 1,18792 | 751,229 | 1,01462 | 751,229 | 8,66602 | 751,229 |
| 3,58 | 1,20181 | 756,956 | 1,02648 | 756,956 | 8,76736 | 756,956 |
| | | | | | | |
| 3,60 | 1,21578+5 | 762,708 | 1,03831+5 | 762,708 | 8,86927+4 | 762,708 |
| 3,62 | 1,22983 | 768,485 | 1,05041 | 768,485 | 8,97177 | 768,485 |
| 3,64 | 1,24396 | 774,287 | 1,06248 | 774,287 | 9,07484 | 774,287 |
| 3,66 | 1,25817 | 780,114 | 1,07452 | 780,114 | 9,17850 | 780,114 |
| 3,68 | 1,27246 | 785,965 | 1,08682 | 785,965 | 9,28274 | 785,965 |
| 3,70 | 1,28682 | 791,841 | 1,09910 | 791,841 | 9,38756 | 791,841 |
| 3,72 | 1,30127 | 797,742 | 1,11144 | 797,742 | 9,49295 | 797,742 |
| 3,74 | 1,31580 | 803,667 | 1,12384 | 803,667 | 9,59893 | 803,667 |
| 3,76 | 1,33041 | 809,616 | 1,13632 | 809,616 | 9,70549 | 809,616 |
| 3,78 | 1,34509 | 815,590 | 1,14886 | 815,590 | 9,81264 | 815,590 |
| | | | | | | |
| 3,80 | 1,35986+5 | 821,589 | 1,16148+5 | 821,589 | 9,92036+4 | 821,589 |
| 3,82 | 1,37471 | 827,611 | 1,17416 | 827,611 | 1,00287+5 | 827,611 |
| 3,84 | 1,38963 | 833,658 | 1,18590 | 833,658 | 1,01375 | 833,658 |
| 3,86 | 1,40464 | 839,729 | 1,19972 | 839,729 | 1,02470 | 839,729 |
| 3,88 | 1,41972 | 845,824 | 1,21261 | 845,824 | 1,03571 | 845,824 |
| 3,90 | 1,43489 | 851,943 | 1,22556 | 851,943 | 1,04677 | 851,943 |
| 3,92 | 1,45013 | 858,086 | 1,23858 | 858,086 | 1,05789 | 858,086 |
| 3,94 | 1,46546 | 864,252 | 1,25167 | 864,252 | 1,06907 | 864,252 |
| 3,96 | 1,48086 | 870,443 | 1,26482 | 870,443 | 1,08031 | 870,443 |
| 3,98 | 1,49634 | 876,658 | 1,27805 | 876,658 | 1,09160 | 876,658 |

М от 4,00 до 4,80

Продолжение

| М | H=18000 м | | H=19000 м | | H=20000 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_A , Па | T_A , К | ρ_A , Па | T_A , К | ρ_A , Па | T_A , К |
| 4,00 | 1,51191+5 | 882,896 | 1,29134+5 | 882,896 | 1,10296+5 | 882,896 |
| 4,02 | 1,52755 | 889,158 | 1,30470 | 889,158 | 1,11437 | 889,158 |
| 4,04 | 1,54328 | 895,444 | 1,31813 | 895,444 | 1,12584 | 895,444 |
| 4,06 | 1,55908 | 901,753 | 1,33163 | 901,753 | 1,13737 | 901,753 |
| 4,08 | 1,57495 | 908,086 | 1,34520 | 908,086 | 1,14896 | 908,086 |
| 4,10 | 1,59092 | 914,443 | 1,35883 | 914,443 | 1,16060 | 914,443 |
| 4,12 | 1,60697 | 920,823 | 1,37253 | 920,823 | 1,17230 | 920,823 |
| 4,14 | 1,62309 | 927,226 | 1,38630 | 927,226 | 1,18407 | 927,226 |
| 4,16 | 1,63929 | 933,653 | 1,40014 | 933,653 | 1,19589 | 933,653 |
| 4,18 | 1,65557 | 940,103 | 1,41405 | 940,103 | 1,20776 | 940,103 |
| 4,20 | 1,67194+5 | 946,577 | 1,42803+5 | 946,577 | 1,21970+5 | 946,577 |
| 4,22 | 1,68838 | 953,073 | 1,44207 | 953,073 | 1,23169 | 953,073 |
| 4,24 | 1,70490 | 959,593 | 1,45618 | 959,593 | 1,24375 | 959,593 |
| 4,26 | 1,72150 | 966,136 | 1,47036 | 966,136 | 1,25586 | 966,136 |
| 4,28 | 1,73818 | 972,702 | 1,48451 | 972,702 | 1,26803 | 972,702 |
| 4,30 | 1,75494 | 979,292 | 1,49892 | 979,292 | 1,28026 | 979,292 |
| 4,32 | 1,77179 | 985,904 | 1,51331 | 985,904 | 1,29254 | 985,904 |
| 4,34 | 1,78871 | 992,539 | 1,52776 | 992,539 | 1,30489 | 992,539 |
| 4,36 | 1,80571 | 999,198 | 1,54228 | 999,198 | 1,31729 | 999,198 |
| 4,38 | 1,82279 | 1005,88 | 1,55687 | 1005,88 | 1,32975 | 1005,88 |
| 4,40 | 1,83995+5 | 1012,58 | 1,57153+5 | 1012,58 | 1,34227+5 | 1012,58 |
| 4,42 | 1,85719 | 1019,31 | 1,58626 | 1019,31 | 1,35485 | 1019,31 |
| 4,44 | 1,87452 | 1026,06 | 1,60105 | 1026,06 | 1,36748 | 1026,06 |
| 4,46 | 1,89192 | 1032,83 | 1,61591 | 1032,83 | 1,38018 | 1032,83 |
| 4,48 | 1,90940 | 1039,63 | 1,63085 | 1039,63 | 1,39293 | 1039,63 |
| 4,50 | 1,92696 | 1046,45 | 1,64585 | 1046,45 | 1,40571 | 1046,45 |
| 4,52 | 1,94460 | 1053,29 | 1,66091 | 1053,29 | 1,41861 | 1053,29 |
| 4,54 | 1,96232 | 1060,15 | 1,67605 | 1060,15 | 1,43154 | 1060,15 |
| 4,56 | 1,98013 | 1067,03 | 1,69125 | 1067,03 | 1,44453 | 1067,03 |
| 4,58 | 1,99801 | 1073,94 | 1,70653 | 1073,94 | 1,45757 | 1073,94 |
| 4,60 | 2,01597+5 | 1080,87 | 1,72187+5 | 1080,87 | 1,47068+5 | 1080,87 |
| 4,62 | 2,03401 | 1087,83 | 1,73728 | 1087,83 | 1,48384 | 1087,83 |
| 4,64 | 2,05214 | 1094,80 | 1,75276 | 1094,80 | 1,49706 | 1094,80 |
| 4,66 | 2,07034 | 1101,80 | 1,76831 | 1101,80 | 1,51034 | 1101,80 |
| 4,68 | 2,08862 | 1108,82 | 1,78392 | 1108,82 | 1,52368 | 1108,82 |
| 4,70 | 2,10698 | 1115,86 | 1,79961 | 1115,86 | 1,53707 | 1115,86 |
| 4,72 | 2,12543 | 1122,93 | 1,81536 | 1122,93 | 1,55053 | 1122,93 |
| 4,74 | 2,14395 | 1130,01 | 1,83118 | 1130,01 | 1,56404 | 1130,01 |
| 4,76 | 2,16256 | 1137,12 | 1,84707 | 1137,12 | 1,57761 | 1137,12 |
| 4,78 | 2,18124 | 1144,25 | 1,86303 | 1144,25 | 1,59124 | 1144,25 |
| 4,80 | 2,20001+5 | 1151,40 | 1,87906+5 | 1151,40 | 1,60493+5 | 1151,40 |

Продолжение

М от 0,05 до 1,95

| М | H=21000 м | | H=22000 м | | H=23000 м | |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К |
| 0,05 | 8,19137+0 | 217,759 | 7,00397+0 | 218,759 | 5,99297+0 | 219,760 |
| 0,10 | 3,28269+1 | 218,085 | 2,80684+1 | 219,087 | 2,40169+1 | 220,089 |
| 0,15 | 7,40916 | 218,629 | 6,33515 | 219,634 | 5,42069 | 220,638 |
| 0,20 | 1,32295+2 | 219,391 | 1,13118+2 | 220,399 | 9,67898 | 221,407 |
| 0,25 | 2,07874 | 220,371 | 1,77741 | 221,383 | 1,52085+2 | 222,396 |
| 0,30 | 3,01396 | 221,568 | 2,57706 | 222,586 | 2,20507 | 223,604 |
| 0,35 | 4,13562 | 222,982 | 3,53613 | 224,007 | 3,02570 | 225,031 |
| 0,40 | 5,45213 | 224,615 | 4,66181 | 225,647 | 3,98889 | 226,679 |
| 0,45 | 6,97338 | 226,465 | 5,96254 | 227,505 | 5,10187 | 228,546 |
| 0,50 | 8,71076+2 | 228,533 | 7,44807+2 | 229,582 | 6,37297+2 | 230,632 |
| 0,55 | 1,06773+3 | 230,818 | 9,12953 | 231,878 | 7,81172 | 232,939 |
| 0,60 | 1,28877 | 233,321 | 1,10495+3 | 234,393 | 9,42888 | 235,465 |
| 0,65 | 1,53584 | 236,041 | 1,31321 | 237,126 | 1,12366+3 | 238,210 |
| 0,70 | 1,81080 | 238,980 | 1,54832 | 240,078 | 1,32482 | 241,176 |
| 0,75 | 2,11570 | 242,136 | 1,80901 | 243,248 | 1,54789 | 244,361 |
| 0,80 | 2,45279 | 245,509 | 2,09724 | 246,637 | 1,79451 | 247,765 |
| 0,85 | 2,82458 | 249,100 | 2,41513 | 250,245 | 2,06652 | 251,389 |
| 0,90 | 3,23382 | 252,909 | 2,76505 | 254,071 | 2,36593 | 255,233 |
| 0,95 | 3,68352 | 256,936 | 3,14957 | 258,116 | 2,69491 | 259,297 |
| 1,00 | 4,17699+3 | 261,180 | 3,57151+3 | 262,380 | 3,05597+3 | 263,580 |
| 1,05 | 4,71646 | 265,642 | 4,03278 | 266,862 | 3,45066 | 268,083 |
| 1,10 | 5,29930 | 270,321 | 4,53113 | 271,563 | 3,87707 | 272,805 |
| 1,15 | 5,92256 | 275,218 | 5,06404 | 276,493 | 4,33306 | 277,747 |
| 1,20 | 6,58409 | 280,333 | 5,62968 | 281,621 | 4,81706 | 282,909 |
| 1,25 | 7,28229 | 285,666 | 6,22667 | 286,978 | 5,32758 | 288,291 |
| 1,30 | 8,01594 | 291,216 | 6,85397 | 292,554 | 5,86463 | 293,892 |
| 1,35 | 8,78410 | 296,983 | 7,51078 | 298,348 | 6,42863 | 299,712 |
| 1,40 | 9,58603 | 302,969 | 8,19646 | 304,361 | 7,01334 | 305,753 |
| 1,45 | 1,04211+4 | 309,172 | 8,91051 | 310,592 | 7,62431 | 312,013 |
| 1,50 | 1,12889+4 | 315,591 | 9,65253+3 | 317,041 | 8,26923+3 | 318,490 |
| 1,55 | 1,21891 | 322,226 | 1,04222+4 | 323,705 | 8,91780 | 325,185 |
| 1,60 | 1,31213 | 329,075 | 1,12193 | 330,586 | 9,59982 | 332,096 |
| 1,65 | 1,40853 | 336,139 | 1,20436 | 337,681 | 1,03051+4 | 339,222 |
| 1,70 | 1,50809 | 343,416 | 1,28948 | 344,991 | 1,10336 | 346,565 |
| 1,75 | 1,61079 | 350,906 | 1,37730 | 352,514 | 1,17850 | 354,122 |
| 1,80 | 1,71662 | 358,609 | 1,46779 | 360,251 | 1,25592 | 361,893 |
| 1,85 | 1,82557 | 366,522 | 1,56094 | 368,200 | 1,33563 | 369,877 |
| 1,90 | 1,93762 | 374,647 | 1,65675 | 376,360 | 1,41762 | 378,073 |
| 1,95 | 2,05277 | 382,981 | 1,75521 | 384,731 | 1,50185 | 386,481 |

Продолжение

М от 2,00 до 3,95

| M | H=21000 м | | H=22000 м | | H=23000 м | |
|------|------------------------------|--------------------------|------------------------------|--------------------------|------------------------------|--------------------------|
| | $\rho_{\text{д}}, \text{Па}$ | $T_{\text{с}}, \text{К}$ | $\rho_{\text{д}}, \text{Па}$ | $T_{\text{с}}, \text{К}$ | $\rho_{\text{д}}, \text{Па}$ | $T_{\text{с}}, \text{К}$ |
| 2,00 | 2,17101+4 | 391,524 | 1,85632+4 | 393,312 | 1,58837+4 | 395,099 |
| 2,05 | 2,29233 | 400,274 | 1,96006 | 402,100 | 1,67714 | 403,926 |
| 2,10 | 2,41674 | 409,232 | 2,06643 | 411,097 | 1,76817 | 412,961 |
| 2,15 | 2,54422 | 418,394 | 2,17544 | 420,299 | 1,86144 | 422,203 |
| 2,20 | 2,67478 | 427,760 | 2,28708 | 429,706 | 1,95696 | 431,650 |
| 2,25 | 2,80841 | 437,329 | 2,40134 | 439,316 | 2,05474 | 441,302 |
| 2,30 | 2,94511 | 447,099 | 2,51823 | 449,128 | 2,15473 | 451,156 |
| 2,35 | 3,08488 | 457,069 | 2,63774 | 459,140 | 2,25702 | 461,210 |
| 2,40 | 3,22772 | 467,237 | 2,75987 | 469,351 | 2,36153 | 471,464 |
| 2,45 | 3,37362 | 477,601 | 2,88463 | 479,759 | 2,46828 | 481,916 |
| | | | | | | |
| 2,50 | 3,52259+4 | 488,159 | 3,01201+4 | 490,362 | 2,57728+4 | 492,564 |
| 2,55 | 3,67463 | 498,911 | 3,14202 | 501,159 | 2,68852 | 503,405 |
| 2,60 | 3,82974 | 509,854 | 3,27465 | 512,147 | 2,80201 | 514,439 |
| 2,65 | 3,98792 | 520,986 | 3,40990 | 523,325 | 2,91775 | 525,663 |
| 2,70 | 4,14917 | 532,305 | 3,54778 | 534,691 | 3,03573 | 537,078 |
| 2,75 | 4,31349 | 543,810 | 3,68829 | 546,243 | 3,15596 | 548,676 |
| 2,80 | 4,48088 | 555,498 | 3,83143 | 557,980 | 3,27844 | 560,460 |
| 2,85 | 4,65135 | 567,369 | 3,97719 | 569,898 | 3,40317 | 572,427 |
| 2,90 | 4,82489 | 579,419 | 4,12558 | 581,997 | 3,53015 | 584,574 |
| 2,95 | 5,00151 | 591,647 | 4,27661 | 594,275 | 3,65939 | 596,901 |
| | | | | | | |
| 3,00 | 5,18121+4 | 604,052 | 4,43027+4 | 606,729 | 3,79087+4 | 609,405 |
| 3,05 | 5,36399 | 616,630 | 4,58656 | 619,358 | 3,92462 | 622,085 |
| 3,10 | 5,54986 | 629,382 | 4,74549 | 632,100 | 4,06061 | 634,937 |
| 3,15 | 5,73880 | 642,304 | 4,90706 | 645,134 | 4,19887 | 647,962 |
| 3,20 | 5,93084 | 655,395 | 5,07127 | 658,277 | 4,33938 | 661,157 |
| 3,25 | 6,12596 | 668,653 | 5,23812 | 671,588 | 4,48215 | 674,520 |
| 3,30 | 6,32417 | 682,078 | 5,40761 | 685,065 | 4,62719 | 688,050 |
| 3,35 | 6,52548 | 695,667 | 5,57974 | 698,707 | 4,77448 | 701,746 |
| 3,40 | 6,72987 | 709,418 | 5,75452 | 712,513 | 4,92404 | 715,605 |
| 3,45 | 6,93736 | 723,331 | 5,93194 | 726,480 | 5,07586 | 729,627 |
| | | | | | | |
| 3,50 | 7,14795+4 | 737,404 | 6,11201+4 | 740,608 | 5,22995+4 | 743,810 |
| 3,55 | 7,36163 | 751,636 | 6,29473 | 754,895 | 5,38631 | 758,152 |
| 3,60 | 7,57841 | 766,026 | 6,48010 | 769,341 | 5,54493 | 772,653 |
| 3,65 | 7,79829 | 780,571 | 6,66812 | 783,943 | 5,70582 | 787,312 |
| 3,70 | 8,02127 | 795,272 | 6,85879 | 798,701 | 5,86898 | 802,127 |
| 3,75 | 8,24736 | 810,127 | 7,05212 | 813,613 | 6,03411 | 817,097 |
| 3,80 | 8,47654 | 825,135 | 7,24809 | 828,680 | 6,20211 | 832,221 |
| 3,85 | 8,70884 | 840,296 | 7,44673 | 843,899 | 6,37208 | 847,499 |
| 3,90 | 8,94423 | 855,607 | 7,64801 | 859,270 | 6,54432 | 862,929 |
| 3,95 | 9,18274 | 871,070 | 7,85196 | 874,792 | 6,71884 | 878,511 |

Продолжение

M от 4,00 до 6,00

| M | H—21000 м | | H—22000 м | | H—23000 м | |
|------|-------------------|-----------|-------------------|-----------|-------------------|-----------|
| | p_{Σ} , Па | T_0 , К | p_{Σ} , Па | T_0 , К | p_{Σ} , Па | T_0 , К |
| 4,00 | 9,42435+4 | 886,681 | 8,05856+4 | 890,464 | 6,89563+4 | 894,243 |
| 4,05 | 9,66907 | 902,442 | 8,26782 | 906,285 | 7,07469 | 910,126 |
| 4,10 | 9,91690 | 918,350 | 8,47974 | 922,255 | 7,25603 | 926,157 |
| 4,15 | 1,01678+5 | 934,406 | 8,69432 | 938,373 | 7,43965 | 942,337 |
| 4,20 | 1,04219 | 950,609 | 8,91155 | 954,638 | 7,62554 | 958,665 |
| 4,25 | 1,06791 | 966,957 | 9,13145 | 971,050 | 7,81371 | 975,140 |
| 4,30 | 1,09393 | 983,451 | 9,35402 | 987,608 | 8,00416 | 991,761 |
| 4,35 | 1,12027 | 1000,09 | 9,57924 | 1004,31 | 8,19689 | 1008,53 |
| 4,40 | 1,14692 | 1016,87 | 9,80713 | 1021,16 | 8,39190 | 1025,44 |
| 4,45 | 1,17389 | 1033,80 | 1,00377+5 | 1038,15 | 8,58919 | 1042,50 |
| | | | | | | |
| 4,50 | 1,20116+5 | 1050,87 | 1,02709+5 | 1055,28 | 8,78876+4 | 1059,70 |
| 4,55 | 1,22875 | 1068,08 | 1,05068 | 1072,56 | 8,99061 | 1077,04 |
| 4,60 | 1,25664 | 1085,43 | 1,07454 | 1089,98 | 9,19475 | 1094,52 |
| 4,65 | 1,28486 | 1102,92 | 1,09866 | 1107,54 | 9,40118 | 1112,15 |
| 4,70 | 1,31338 | 1120,55 | 1,12305 | 1125,24 | 9,60989 | 1129,92 |
| 4,75 | 1,34222 | 1138,32 | 1,14771 | 1143,08 | 9,82089 | 1147,83 |
| 4,80 | 1,37135 | 1156,23 | 1,17263 | 1161,06 | 1,00342+5 | 1165,87 |
| 4,85 | 1,40083 | 1174,28 | 1,19783 | 1179,17 | 1,02498 | 1184,06 |
| 4,90 | 1,43060 | 1192,46 | 1,22329 | 1197,42 | 1,04676 | 1202,38 |
| 4,95 | 1,46069 | 1210,78 | 1,24902 | 1215,81 | 1,06878 | 1220,84 |
| | | | | | | |
| 5,00 | 1,49109+5 | 1229,23 | 1,27502+5 | 1234,34 | 1,09103+5 | 1239,44 |
| 5,05 | 1,52181 | 1247,82 | 1,30128 | 1252,99 | 1,11351 | 1258,17 |
| 5,10 | 1,55284 | 1266,54 | 1,32782 | 1271,79 | 1,13621 | 1277,03 |
| 5,15 | 1,58419 | 1285,39 | 1,35462 | 1290,71 | 1,15915 | 1296,03 |
| 5,20 | 1,61583 | 1304,38 | 1,38170 | 1309,77 | 1,18232 | 1315,15 |
| 5,25 | 1,64783 | 1323,49 | 1,40904 | 1328,95 | 1,20572 | 1334,41 |
| 5,30 | 1,68013 | 1342,73 | 1,43666 | 1348,27 | 1,22935 | 1353,80 |
| 5,35 | 1,71274 | 1362,10 | 1,46455 | 1367,71 | 1,25321 | 1373,31 |
| 5,40 | 1,74567 | 1381,60 | 1,49270 | 1387,28 | 1,27731 | 1392,96 |
| 5,45 | 1,77891 | 1401,22 | 1,52113 | 1406,97 | 1,30164 | 1412,72 |
| | | | | | | |
| 5,50 | 1,81247+5 | 1420,96 | 1,54983+5 | 1426,79 | 1,32620+5 | 1432,62 |
| 5,55 | 1,84636 | 1440,83 | 1,57881 | 1446,73 | 1,35099 | 1452,63 |
| 5,60 | 1,88056 | 1460,82 | 1,60805 | 1466,80 | 1,37602 | 1472,77 |
| 5,65 | 1,91508 | 1480,93 | 1,63757 | 1486,98 | 1,40128 | 1493,03 |
| 5,70 | 1,94992 | 1501,15 | 1,66737 | 1507,28 | 1,42678 | 1513,40 |
| 5,75 | 1,98508 | 1521,50 | 1,69744 | 1527,70 | 1,45251 | 1533,90 |
| 5,80 | 2,02057 | 1541,96 | 1,72778 | 1548,23 | 1,47848 | 1554,50 |
| 5,85 | 2,05637 | 1562,53 | 1,75840 | 1568,88 | 1,50468 | 1575,23 |
| 5,90 | 2,09250 | 1583,22 | 1,78930 | 1589,64 | 1,53112 | 1596,06 |
| 5,95 | 2,12895 | 1604,02 | 1,82047 | 1610,52 | 1,55780 | 1617,01 |
| | | | | | | |
| 6,00 | 2,16573+5 | 1624,92 | 1,85192+5 | 1631,50 | 1,58471+5 | 1638,06 |

М от 0,05 до 1,95

| М | H=2400 м | | H=2500 м | | H=2600 м | |
|------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К | $p_{\text{д}}$, Па | $T_{\text{ст}}$, К |
| 0,05 | 5,13153±0 | 220,760 | 4,39700±0 | 221,761 | 3,77025±0 | 222,761 |
| 0,10 | 2,05646±1 | 221,091 | 1,76210±1 | 222,093 | 1,51093±1 | 223,095 |
| 0,15 | 4,64151 | 221,643 | 3,97712 | 222,647 | 3,41022 | 223,652 |
| 0,20 | 8,28770 | 222,415 | 7,10139 | 223,423 | 6,08916 | 224,431 |
| 0,25 | 1,30224±2 | 223,408 | 1,11583±2 | 224,421 | 9,56785 | 225,433 |
| 0,30 | 1,88811 | 224,622 | 1,61784 | 225,640 | 1,38724±2 | 226,658 |
| 0,35 | 2,59078 | 226,056 | 2,21993 | 227,080 | 1,90351 | 228,105 |
| 0,40 | 3,41552 | 227,711 | 2,92862 | 228,743 | 2,50946 | 229,775 |
| 0,45 | 4,36852 | 229,585 | 3,74320 | 230,627 | 3,20965 | 231,667 |
| 0,50 | 5,45691±2 | 231,682 | 4,67580±2 | 232,733 | 4,00931±2 | 233,783 |
| 0,55 | 6,68885 | 233,999 | 5,73140 | 235,060 | 4,91445 | 236,120 |
| 0,60 | 8,07356 | 236,537 | 6,91790 | 237,679 | 5,93183 | 238,681 |
| 0,65 | 9,62139 | 239,295 | 8,24417 | 240,379 | 7,06905 | 241,464 |
| 0,70 | 1,23439±3 | 242,274 | 9,72011 | 243,372 | 8,33462 | 244,470 |
| 0,75 | 1,32539 | 245,473 | 1,13567±3 | 246,586 | 9,73795 | 247,698 |
| 0,80 | 1,53656 | 248,893 | 1,31662 | 250,021 | 1,12895±3 | 251,149 |
| 0,85 | 1,76947 | 252,534 | 1,51619 | 253,678 | 1,30007 | 254,823 |
| 0,90 | 2,02784 | 256,395 | 1,73585 | 257,557 | 1,48843 | 258,719 |
| 0,95 | 2,30756 | 260,477 | 1,97726 | 261,658 | 1,69542 | 262,838 |
| 1,00 | 2,61670±3 | 264,780 | 2,24215±3 | 265,980 | 1,92255±3 | 267,180 |
| 1,05 | 2,95466 | 269,303 | 2,53172 | 270,524 | 2,17085 | 271,744 |
| 1,10 | 3,31978 | 274,047 | 2,84458 | 275,289 | 2,43912 | 276,531 |
| 1,15 | 3,71022 | 279,012 | 3,17914 | 280,276 | 2,72598 | 281,541 |
| 1,20 | 4,12464 | 284,197 | 3,53424 | 285,485 | 3,03047 | 286,773 |
| 1,25 | 4,56204 | 289,603 | 3,90902 | 290,916 | 3,35183 | 292,228 |
| 1,30 | 5,02164 | 295,230 | 4,30283 | 296,568 | 3,68951 | 297,906 |
| 1,35 | 5,50285 | 301,077 | 4,71517 | 302,441 | 4,04307 | 303,806 |
| 1,40 | 6,00522 | 307,145 | 5,14563 | 308,537 | 4,41217 | 309,929 |
| 1,45 | 6,52838 | 313,433 | 5,59390 | 314,853 | 4,79656 | 316,273 |
| 1,50 | 7,07203±3 | 319,939 | 6,05973±3 | 321,388 | 5,19598±3 | 322,837 |
| 1,55 | 7,63595 | 326,664 | 6,54293 | 328,143 | 5,61031 | 329,621 |
| 1,60 | 8,21993 | 333,605 | 7,04333 | 335,115 | 6,03939 | 336,625 |
| 1,65 | 8,82388 | 340,764 | 7,56083 | 342,305 | 6,48313 | 343,846 |
| 1,70 | 9,44759 | 348,139 | 8,09527 | 349,713 | 6,94140 | 351,285 |
| 1,75 | 1,00910±4 | 355,729 | 8,64658 | 357,336 | 7,41413 | 358,943 |
| 1,80 | 1,07540 | 363,534 | 9,21469 | 365,176 | 7,90127 | 366,817 |
| 1,85 | 1,14365 | 371,553 | 9,79953 | 373,230 | 8,40275 | 374,906 |
| 1,90 | 1,21385 | 379,781 | 1,04010±4 | 381,408 | 8,91854 | 383,210 |
| 1,95 | 1,28599 | 388,230 | 1,10192 | 389,979 | 9,44859 | 391,728 |

Продолжение

М от 2,00 до 3,95

| М | H=2000 м | | H=2500 м | | H=3000 м | |
|------|------------------------------|-----------------|------------------------------|-----------------|------------------------------|-----------------|
| | $\rho_{\text{д}}, \text{Па}$ | $T_0, \text{К}$ | $\rho_{\text{д}}, \text{Па}$ | $T_0, \text{К}$ | $\rho_{\text{д}}, \text{Па}$ | $T_0, \text{К}$ |
| 2,00 | 1,36007 + 4 | 396,886 | 1,16539 + 4 | 398,672 | 9,99287 + 3 | 400,458 |
| 2,05 | 1,43608 | 405,751 | 1,23053 | 407,576 | 1,05514 + 4 | 409,400 |
| 2,10 | 1,51402 | 414,825 | 1,29731 | 416,689 | 1,11240 | 418,552 |
| 2,15 | 1,59389 | 424,107 | 1,36575 | 426,010 | 1,17109 | 427,913 |
| 2,20 | 1,67568 | 433,595 | 1,43584 | 435,539 | 1,23119 | 437,482 |
| 2,25 | 1,75940 | 443,287 | 1,50758 | 445,272 | 1,29270 | 447,256 |
| 2,30 | 1,84505 | 453,183 | 1,58096 | 455,210 | 1,35563 | 457,235 |
| 2,35 | 1,93261 | 463,280 | 1,65600 | 465,349 | 1,41997 | 467,417 |
| 2,40 | 2,02210 | 473,577 | 1,73268 | 475,689 | 1,48573 | 477,801 |
| 2,45 | 2,11352 | 484,073 | 1,81101 | 485,228 | 1,55289 | 488,383 |
| | | | | | | |
| 2,50 | 2,20685 + 4 | 494,765 | 1,89099 + 4 | 496,965 | 1,62147 + 4 | 499,164 |
| 2,55 | 2,30211 | 505,651 | 1,97261 | 507,896 | 1,69147 | 510,140 |
| 2,60 | 2,39929 | 516,730 | 2,05589 | 519,021 | 1,76287 | 521,310 |
| 2,65 | 2,49839 | 528,001 | 2,14081 | 530,337 | 1,83570 | 532,672 |
| 2,70 | 2,59942 | 539,460 | 2,22738 | 541,843 | 1,90993 | 544,225 |
| 2,75 | 2,70238 | 551,107 | 2,31560 | 553,537 | 1,98558 | 555,965 |
| 2,80 | 2,80725 | 562,938 | 2,40547 | 565,416 | 2,06264 | 567,892 |
| 2,85 | 2,91406 | 574,954 | 2,49700 | 577,479 | 2,14113 | 580,003 |
| 2,90 | 3,02279 | 587,150 | 2,59017 | 589,724 | 2,22102 | 592,297 |
| 2,95 | 3,13346 | 599,528 | 2,68500 | 602,149 | 2,30234 | 604,771 |
| | | | | | | |
| 3,00 | 3,24605 + 4 | 612,080 | 2,78118 + 4 | 614,753 | 2,38507 + 4 | 617,424 |
| 3,05 | 3,36037 | 624,809 | 2,87961 | 627,532 | 2,46922 | 630,254 |
| 3,10 | 3,47703 | 637,713 | 2,97941 | 640,487 | 2,55480 | 643,259 |
| 3,15 | 3,59542 | 650,789 | 3,08085 | 653,614 | 2,64179 | 656,437 |
| 3,20 | 3,71574 | 664,035 | 3,18396 | 666,912 | 2,73020 | 669,786 |
| 3,25 | 3,83800 | 677,451 | 3,28872 | 680,379 | 2,82004 | 683,306 |
| 3,30 | 3,96219 | 691,034 | 3,39515 | 694,015 | 2,91130 | 696,994 |
| 3,35 | 4,08832 | 704,782 | 3,50323 | 707,817 | 3,00398 | 710,849 |
| 3,40 | 4,21639 | 718,695 | 3,61297 | 721,783 | 3,09809 | 724,869 |
| 3,45 | 4,34640 | 732,771 | 3,72438 | 735,914 | 3,19362 | 739,054 |
| | | | | | | |
| 3,50 | 4,47835 + 4 | 747,000 | 3,83745 + 4 | 750,206 | 3,29057 + 4 | 753,401 |
| 3,55 | 4,61223 | 761,407 | 3,95218 | 764,659 | 3,38896 | 767,909 |
| 3,60 | 4,74806 | 775,964 | 4,06857 | 779,272 | 3,48877 | 782,578 |
| 3,65 | 4,88584 | 790,679 | 4,18663 | 794,043 | 3,59001 | 797,405 |
| 3,70 | 5,02555 | 805,551 | 4,30635 | 808,972 | 3,69267 | 812,391 |
| 3,75 | 5,16721 | 820,578 | 4,42774 | 824,057 | 3,79676 | 827,533 |
| 3,80 | 5,31081 | 835,761 | 4,55080 | 839,297 | 3,90229 | 842,831 |
| 3,85 | 5,45636 | 851,097 | 4,67552 | 854,692 | 4,00924 | 858,285 |
| 3,90 | 5,60386 | 866,586 | 4,80191 | 870,240 | 4,11762 | 873,892 |
| 3,95 | 5,75330 | 882,228 | 4,92997 | 885,941 | 4,22743 | 889,653 |

М от 4,00 до 6,00

Продолжение

| М | Н=2400 м | | Н=2500 м | | Н=2600 м | |
|------|----------------|--------------|----------------|--------------|----------------|--------------|
| | $P_{д^*}$, Па | $T_{ст}$, К | $P_{д^*}$, Па | $T_{ст}$, К | $P_{д^*}$, Па | $T_{ст}$, К |
| 4,00 | 5,90469+4 | 898,020 | 5,05970+4 | 901,794 | 4,33867+4 | 905,566 |
| 4,05 | 6,05802 | 913,963 | 5,19109 | 917,798 | 4,45135 | 921,631 |
| 4,10 | 6,21331 | 930,056 | 5,32416 | 933,953 | 4,56545 | 937,846 |
| 4,15 | 6,37054 | 946,298 | 5,45889 | 950,257 | 4,68099 | 954,212 |
| 4,20 | 6,52972 | 962,689 | 5,59530 | 966,709 | 4,79796 | 970,727 |
| 4,25 | 6,69085 | 979,227 | 5,73337 | 983,310 | 4,91636 | 987,391 |
| 4,30 | 6,85394 | 995,911 | 5,87312 | 1000,06 | 5,03620 | 1004,20 |
| 4,35 | 7,01897 | 1012,74 | 6,01454 | 1016,95 | 5,15747 | 1021,16 |
| 4,40 | 7,18596 | 1029,72 | 6,15764 | 1034,00 | 5,28017 | 1038,27 |
| 4,45 | 7,35490 | 1046,84 | 6,30241 | 1051,18 | 5,40432 | 1055,52 |
| 4,50 | 7,52580+4 | 1064,11 | 6,44885+4 | 1068,51 | 5,52989+4 | 1072,92 |
| 4,55 | 7,69865 | 1081,52 | 6,59697 | 1085,99 | 5,65691 | 1090,46 |
| 4,60 | 7,87346 | 1099,07 | 6,74676 | 1103,61 | 5,78596 | 1108,15 |
| 4,65 | 8,05022 | 1116,76 | 6,89823 | 1121,37 | 5,91525 | 1125,97 |
| 4,70 | 8,22894 | 1134,60 | 7,05138 | 1139,27 | 6,04658 | 1143,95 |
| 4,75 | 8,40963 | 1152,57 | 7,20622 | 1157,32 | 6,17935 | 1162,06 |
| 4,80 | 8,59227 | 1170,69 | 7,36273 | 1175,50 | 6,31356 | 1180,31 |
| 4,85 | 8,77688 | 1188,94 | 7,52092 | 1193,83 | 6,44921 | 1198,70 |
| 4,90 | 8,96346 | 1207,34 | 7,68080 | 1212,29 | 6,58631 | 1217,24 |
| 4,95 | 9,15199 | 1225,87 | 7,84236 | 1230,89 | 6,72486 | 1235,91 |
| 5,00 | 9,34249+4 | 1244,53 | 8,00561+4 | 1249,62 | 6,86485+4 | 1254,71 |
| 5,05 | 9,53497 | 1263,33 | 8,17055 | 1268,50 | 7,00629 | 1273,65 |
| 5,10 | 9,72942 | 1282,27 | 8,33718 | 1287,50 | 7,14918 | 1292,73 |
| 5,15 | 9,92584 | 1301,33 | 8,50550 | 1306,64 | 7,29352 | 1311,94 |
| 5,20 | 1,01242+5 | 1320,53 | 8,67552 | 1325,91 | 7,43931 | 1331,29 |
| 5,25 | 1,03246 | 1339,87 | 8,84723 | 1345,31 | 7,58657 | 1350,76 |
| 5,30 | 1,05270 | 1359,33 | 9,02065 | 1364,85 | 7,73528 | 1370,36 |
| 5,35 | 1,07313 | 1378,91 | 9,19576 | 1384,51 | 7,88545 | 1390,10 |
| 5,40 | 1,09377 | 1398,63 | 9,37258 | 1404,30 | 8,03708 | 1409,96 |
| 5,45 | 1,11460 | 1418,47 | 9,55111 | 1424,21 | 8,19017 | 1429,95 |
| 5,50 | 1,13563+5 | 1438,44 | 9,73135+4 | 1444,25 | 8,34474+4 | 1450,06 |
| 5,55 | 1,15687 | 1458,53 | 9,91330 | 1464,41 | 8,50077 | 1470,30 |
| 5,60 | 1,17830 | 1478,74 | 1,00970+5 | 1484,70 | 8,65828 | 1490,65 |
| 5,65 | 1,19993 | 1499,07 | 1,02824 | 1505,10 | 8,81726 | 1511,13 |
| 5,70 | 1,22177 | 1519,52 | 1,04695 | 1525,63 | 8,97772 | 1531,73 |
| 5,75 | 1,24380 | 1540,08 | 1,06583 | 1546,27 | 9,13965 | 1552,44 |
| 5,80 | 1,26604 | 1560,77 | 1,08489 | 1567,02 | 9,30307 | 1573,27 |
| 5,85 | 1,28848 | 1581,56 | 1,10412 | 1587,89 | 9,46798 | 1594,22 |
| 5,90 | 1,31112 | 1602,47 | 1,12352 | 1608,88 | 9,63438 | 1615,27 |
| 5,95 | 1,33396 | 1623,49 | 1,14310 | 1629,97 | 9,80226 | 1636,44 |
| 6,00 | 1,35701+5 | 1644,62 | 1,16285+5 | 1651,17 | 9,97164+4 | 1657,71 |

Продолжение

M от 0,05 до 1,95

| M | H=2000 м | | H=2800 м | | H=3600 м | |
|------|------------|--------------|------------|--------------|------------|--------------|
| | p_A , Па | $T_{ст}$, К | p_A , Па | $T_{ст}$, К | p_A , Па | $T_{ст}$, К |
| 0,05 | 3,23505+0 | 223,762 | 2,77772+0 | 224,762 | 2,38665+0 | 225,763 |
| 0,10 | 1,29645+1 | 224,097 | 1,11317+1 | 225,099 | 9,56453 | 226,101 |
| 0,15 | 2,92613 | 224,656 | 2,51247 | 225,661 | 2,15875+1 | 226,665 |
| 0,20 | 5,22478 | 225,439 | 4,48617 | 226,447 | 3,85458 | 227,455 |
| 0,25 | 8,20961 | 226,446 | 7,04908 | 227,458 | 6,05666 | 228,471 |
| 0,30 | 1,19031+2 | 227,676 | 1,02204+2 | 228,694 | 8,78153 | 229,712 |
| 0,35 | 1,63329 | 229,129 | 1,40240 | 230,154 | 1,20496+2 | 231,178 |
| 0,40 | 2,15323 | 230,807 | 1,84884 | 231,839 | 1,58855 | 232,871 |
| 0,45 | 2,75402 | 232,708 | 2,36470 | 233,748 | 2,03178 | 234,789 |
| 0,50 | 3,44017+2 | 234,833 | 2,95385+2 | 235,883 | 2,53799+2 | 236,932 |
| 0,55 | 4,21682 | 237,181 | 3,62071 | 238,241 | 3,11096 | 239,302 |
| 0,60 | 5,08978 | 239,753 | 4,37026 | 240,825 | 3,75498 | 241,897 |
| 0,65 | 6,06557 | 242,548 | 5,20811 | 243,633 | 4,47487 | 244,717 |
| 0,70 | 7,15148 | 245,568 | 6,14051 | 246,666 | 5,27600 | 247,764 |
| 0,75 | 8,35560 | 248,811 | 7,17441 | 249,923 | 6,16434 | 251,036 |
| 0,80 | 9,68688 | 252,277 | 8,31749 | 253,405 | 7,14650 | 254,533 |
| 0,85 | 1,11552+3 | 255,967 | 9,57825 | 257,112 | 8,22975 | 258,256 |
| 0,90 | 1,27714 | 259,881 | 1,09660+3 | 261,043 | 9,42212 | 262,205 |
| 0,95 | 1,45475 | 264,019 | 1,24910 | 265,199 | 1,07324+3 | 266,380 |
| 1,00 | 1,64954+3 | 268,380 | 1,41643+3 | 269,580 | 1,21702+3 | 270,780 |
| 1,05 | 1,86269 | 272,965 | 1,59937 | 274,185 | 1,37420 | 275,406 |
| 1,10 | 2,09287 | 277,773 | 1,79701 | 279,015 | 1,54402 | 280,257 |
| 1,15 | 2,33902 | 282,805 | 2,00836 | 284,070 | 1,72561 | 285,334 |
| 1,20 | 2,60028 | 288,061 | 2,23269 | 289,349 | 1,91836 | 290,637 |
| 1,25 | 2,87602 | 293,541 | 2,46945 | 294,853 | 2,12179 | 296,166 |
| 1,30 | 3,16577 | 299,244 | 2,71824 | 300,582 | 2,33554 | 301,920 |
| 1,35 | 3,46914 | 305,170 | 2,97872 | 306,535 | 2,55936 | 307,899 |
| 1,40 | 3,78584 | 311,321 | 3,25036 | 312,712 | 2,79301 | 314,104 |
| 1,45 | 4,11566 | 317,693 | 3,53385 | 319,113 | 3,03633 | 320,532 |
| 1,50 | 4,45839+3 | 324,285 | 3,82813+3 | 325,735 | 3,28918+3 | 327,183 |
| 1,55 | 4,81390 | 331,100 | 4,13339 | 332,578 | 3,55146 | 334,057 |
| 1,60 | 5,18209 | 338,134 | 4,44953 | 339,643 | 3,82310 | 341,152 |
| 1,65 | 5,56283 | 345,387 | 4,77645 | 346,928 | 4,10400 | 348,469 |
| 1,70 | 5,95605 | 352,860 | 5,11408 | 354,433 | 4,39410 | 356,006 |
| 1,75 | 6,36168 | 360,570 | 5,46238 | 362,157 | 4,69337 | 363,763 |
| 1,80 | 6,77967 | 368,458 | 5,82129 | 370,098 | 5,00175 | 371,739 |
| 1,85 | 7,20998 | 376,582 | 6,19077 | 378,258 | 5,31921 | 379,933 |
| 1,90 | 7,65255 | 384,922 | 6,57078 | 386,633 | 5,64574 | 388,344 |
| 1,95 | 8,10737 | 393,476 | 6,96131 | 395,224 | 5,98129 | 396,972 |

Продолжение

M от 2,00 до 3,95

| M | H=27000 м | | H=28000 м | | H=29000 м | |
|------|------------|--------------|------------|--------------|------------|--------------|
| | p_A , Па | $T_{ст}$, К | p_A , Па | $T_{ст}$, К | p_A , Па | $T_{ст}$, К |
| 2,00 | 8,57439+3 | 402,244 | 7,36233+3 | 404,029 | 6,32585+3 | 405,814 |
| 2,05 | 9,05351 | 411,224 | 7,77381 | 413,047 | 6,67941 | 414,870 |
| 2,10 | 9,54501 | 420,415 | 8,19575 | 422,277 | 7,04196 | 424,139 |
| 2,15 | 1,00486+4 | 429,816 | 8,62812 | 431,717 | 7,41347 | 433,619 |
| 2,20 | 1,05643 | 439,424 | 9,07093 | 441,357 | 7,79395 | 443,308 |
| 2,25 | 1,10921 | 449,240 | 9,52417 | 451,223 | 8,18338 | 453,205 |
| 2,30 | 1,16321 | 459,261 | 9,98782 | 461,285 | 8,58177 | 463,309 |
| 2,35 | 1,21842 | 469,485 | 1,04619+4 | 471,552 | 8,98911 | 473,618 |
| 2,40 | 1,27484 | 479,911 | 1,09464 | 482,021 | 9,40539 | 484,130 |
| 2,45 | 1,33247 | 490,537 | 1,14413 | 492,691 | 9,83063 | 494,843 |
| | | | | | | |
| 2,50 | 1,39132+4 | 501,362 | 1,19466+4 | 503,559 | 1,02648+4 | 505,756 |
| 2,55 | 1,45138 | 512,383 | 1,24623 | 514,625 | 1,07079 | 516,836 |
| 2,60 | 1,51265 | 523,598 | 1,29884 | 525,883 | 1,11600 | 528,172 |
| 2,65 | 1,57514 | 535,006 | 1,35250 | 537,339 | 1,16210 | 539,671 |
| 2,70 | 1,63884 | 546,605 | 1,40719 | 548,984 | 1,20910 | 551,363 |
| 2,75 | 1,70375 | 558,393 | 1,46293 | 560,819 | 1,25700 | 563,244 |
| 2,80 | 1,76988 | 570,367 | 1,51972 | 572,841 | 1,30579 | 575,313 |
| 2,85 | 1,83722 | 582,528 | 1,57754 | 585,048 | 1,35548 | 587,568 |
| 2,90 | 1,90578 | 594,868 | 1,63641 | 597,438 | 1,40605 | 600,007 |
| 2,95 | 1,97556 | 607,391 | 1,69633 | 610,010 | 1,45754 | 612,628 |
| | | | | | | |
| 3,00 | 2,04655+4 | 620,094 | 1,75729+4 | 622,762 | 1,50992+4 | 625,429 |
| 3,05 | 2,11876 | 632,974 | 1,81929 | 635,602 | 1,56320 | 638,408 |
| 3,10 | 2,19219 | 643,029 | 1,88235 | 648,798 | 1,61738 | 651,565 |
| 3,15 | 2,26684 | 659,258 | 1,94644 | 662,078 | 1,67216 | 664,895 |
| 3,20 | 2,34271 | 672,659 | 2,01159 | 675,530 | 1,72844 | 678,399 |
| 3,25 | 2,41980 | 686,231 | 2,07779 | 689,154 | 1,78532 | 692,075 |
| 3,30 | 2,49810 | 699,972 | 2,14503 | 702,947 | 1,84310 | 705,920 |
| 3,35 | 2,57764 | 713,880 | 2,21332 | 716,908 | 1,90178 | 719,934 |
| 3,40 | 2,65839 | 727,953 | 2,28266 | 731,035 | 1,96135 | 734,115 |
| 3,45 | 2,74036 | 742,192 | 2,35305 | 745,328 | 2,02184 | 748,461 |
| | | | | | | |
| 3,50 | 2,82356+4 | 756,594 | 2,42449+4 | 759,784 | 2,08323+4 | 762,972 |
| 3,55 | 2,90798 | 771,157 | 2,49799 | 774,402 | 2,14552 | 777,645 |
| 3,60 | 2,99353 | 785,881 | 2,57053 | 789,182 | 2,20872 | 792,481 |
| 3,65 | 3,08050 | 800,765 | 2,64513 | 804,122 | 2,27281 | 807,477 |
| 3,70 | 3,16860 | 815,807 | 2,72077 | 819,221 | 2,33781 | 822,634 |
| 3,75 | 3,25792 | 831,007 | 2,79747 | 834,478 | 2,40372 | 837,947 |
| 3,80 | 3,34847 | 846,363 | 2,87523 | 849,893 | 2,47053 | 853,419 |
| 3,85 | 3,44025 | 861,875 | 2,95403 | 865,462 | 2,53825 | 869,047 |
| 3,90 | 3,53325 | 877,541 | 3,03389 | 881,188 | 2,60687 | 884,832 |
| 3,95 | 3,62748 | 893,361 | 3,11481 | 897,068 | 2,67639 | 900,771 |

Продолжение

M от 4,00 до 6,00

| M | H=2700 м | | H=2800 м | | H=2900 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_d , Па | T_0 , К | p_d , Па | T_0 , К | p_d , Па | T_0 , К |
| 4,00 | 3,72293+4 | 909,335 | 3,19677+4 | 913,101 | 2,74683+4 | 916,864 |
| 4,05 | 3,81962 | 925,460 | 3,27980 | 929,287 | 2,81816 | 933,111 |
| 4,10 | 3,91753 | 941,737 | 3,36387 | 945,625 | 2,89041 | 949,510 |
| 4,15 | 4,01668 | 958,165 | 3,44901 | 962,114 | 2,96356 | 966,162 |
| 4,20 | 4,11705 | 974,742 | 3,53520 | 978,755 | 3,03762 | 982,764 |
| 4,25 | 4,21855 | 991,469 | 3,62244 | 995,544 | 3,11258 | 999,617 |
| 4,30 | 4,32148 | 1008,34 | 3,71074 | 1012,48 | 3,18846 | 1016,62 |
| 4,35 | 4,42554 | 1025,37 | 3,80010 | 1029,57 | 3,26524 | 1033,77 |
| 4,40 | 4,53084 | 1042,54 | 3,89051 | 1046,81 | 3,34243 | 1051,07 |
| 4,45 | 4,63736 | 1059,86 | 3,98198 | 1064,19 | 3,42153 | 1068,52 |
| | | | | | | |
| 4,50 | 4,74512+4 | 1077,32 | 4,07451+4 | 1081,72 | 3,50104+4 | 1086,11 |
| 4,55 | 4,85411 | 1094,93 | 4,16810 | 1099,39 | 3,58146 | 1103,85 |
| 4,60 | 4,96434 | 1112,68 | 4,26275 | 1117,21 | 3,66279 | 1121,74 |
| 4,65 | 5,07579 | 1130,58 | 4,35846 | 1135,17 | 3,74503 | 1139,77 |
| 4,70 | 5,18849 | 1148,61 | 4,45523 | 1153,28 | 3,82818 | 1157,94 |
| 4,75 | 5,30242 | 1166,80 | 4,55306 | 1171,53 | 3,91224 | 1176,26 |
| 4,80 | 5,41759 | 1185,12 | 4,65196 | 1189,92 | 3,99722 | 1194,72 |
| 4,85 | 5,53399 | 1203,58 | 4,75191 | 1208,45 | 4,08311 | 1213,32 |
| 4,90 | 5,65164 | 1222,18 | 4,85294 | 1227,12 | 4,16991 | 1232,06 |
| 4,95 | 5,77052 | 1240,92 | 4,95502 | 1245,93 | 4,25764 | 1250,94 |
| | | | | | | |
| 5,00 | 5,89065+4 | 1259,80 | 5,05818+4 | 1264,88 | 4,34627+4 | 1269,95 |
| 5,05 | 6,01202 | 1278,81 | 5,16240 | 1283,96 | 4,43583 | 1289,11 |
| 5,10 | 6,13464 | 1297,90 | 5,26769 | 1303,18 | 4,52630 | 1308,40 |
| 5,15 | 6,25850 | 1317,24 | 5,37405 | 1322,53 | 4,61770 | 1327,82 |
| 5,20 | 6,38361 | 1336,65 | 5,48148 | 1342,02 | 4,71002 | 1347,38 |
| 5,25 | 6,50997 | 1356,20 | 5,58999 | 1361,64 | 4,80325 | 1367,07 |
| 5,30 | 6,63758 | 1375,88 | 5,69957 | 1381,39 | 4,89742 | 1386,89 |
| 5,35 | 6,76645 | 1395,68 | 5,81023 | 1401,27 | 4,99250 | 1406,84 |
| 5,40 | 6,89657 | 1415,62 | 5,92197 | 1421,27 | 5,08852 | 1426,92 |
| 5,45 | 7,02794 | 1435,68 | 6,03478 | 1441,40 | 5,18546 | 1447,13 |
| | | | | | | |
| 5,50 | 7,16058+4 | 1455,86 | 6,14868+4 | 1461,66 | 5,28333+4 | 1467,46 |
| 5,55 | 7,29448 | 1476,17 | 6,26366 | 1482,05 | 5,38214 | 1487,91 |
| 5,60 | 7,42964 | 1496,60 | 6,37973 | 1502,55 | 5,48188 | 1508,49 |
| 5,65 | 7,56607 | 1517,16 | 6,49689 | 1523,17 | 5,58255 | 1529,19 |
| 5,70 | 7,70376 | 1537,83 | 6,61513 | 1543,92 | 5,68416 | 1550,00 |
| 5,75 | 7,84273 | 1558,61 | 6,73447 | 1564,78 | 5,78670 | 1570,94 |
| 5,80 | 7,98297 | 1579,52 | 6,85489 | 1585,75 | 5,89019 | 1591,98 |
| 5,85 | 8,12448 | 1600,53 | 6,97642 | 1606,84 | 5,99462 | 1613,15 |
| 5,90 | 8,26728 | 1621,66 | 7,09904 | 1628,04 | 6,09999 | 1634,42 |
| 5,95 | 8,41135 | 1642,90 | 7,22276 | 1649,35 | 6,20630 | 1655,80 |
| 6,00 | 8,55670+4 | 1664,25 | 7,34758+4 | 1670,77 | 6,31357+4 | 1677,29 |

М от 0,05 до 1,95

| М | H=3000 м | | H=3500 м | | H=4000 м | |
|------|------------|---------|------------|---------|------------|---------|
| | P_t , Па | T , К | P_t , Па | T , К | P_t , Па | T , К |
| 0,05 | 2,05203+0 | 226,764 | 1,76549+0 | 227,764 | 1,51997+0 | 228,764 |
| 0,10 | 8,22354 | 227,103 | 7,07523 | 228,105 | 6,09129 | 229,107 |
| 0,15 | 1,85608+1 | 227,670 | 1,59690+1 | 228,674 | 1,37483+1 | 229,679 |
| 0,20 | 3,31415 | 228,463 | 2,85137 | 229,471 | 2,45483 | 230,479 |
| 0,25 | 5,20749 | 229,487 | 4,48013 | 230,496 | 3,85726 | 231,508 |
| 0,30 | 7,55031 | 230,730 | 6,49601 | 231,748 | 5,59262 | 232,766 |
| 0,35 | 1,03602+2 | 232,201 | 8,91354 | 233,227 | 7,67395 | 234,262 |
| 0,40 | 1,36582 | 233,903 | 1,17510+2 | 234,935 | 1,01168+2 | 235,967 |
| 0,45 | 1,74691 | 235,829 | 1,50298 | 236,870 | 1,29395 | 237,910 |
| | | | | | | |
| 0,50 | 2,18215+2 | 237,983 | 1,87744+2 | 239,032 | 1,61635+2 | 240,083 |
| 0,55 | 2,67478 | 240,362 | 2,30129 | 241,423 | 1,98125 | 242,483 |
| 0,60 | 3,22851 | 242,969 | 2,77769 | 244,041 | 2,39140 | 245,113 |
| 0,65 | 3,84747 | 245,802 | 3,31022 | 246,886 | 2,84988 | 247,971 |
| 0,70 | 4,53628 | 248,862 | 3,90285 | 249,960 | 3,36008 | 251,058 |
| 0,75 | 5,30007 | 252,148 | 4,55098 | 253,261 | 3,92583 | 254,373 |
| 0,80 | 6,14452 | 255,661 | 5,28552 | 256,789 | 4,55133 | 257,917 |
| 0,85 | 7,07590 | 259,401 | 6,08784 | 260,545 | 5,24122 | 261,690 |
| 0,90 | 8,10109 | 263,367 | 6,96988 | 264,529 | 6,00039 | 265,691 |
| 0,95 | 9,22765 | 267,560 | 7,93914 | 268,741 | 6,83705 | 269,921 |
| | | | | | | |
| 1,00 | 1,04639+3 | 271,980 | 9,00272+2 | 273,180 | 7,75073+2 | 274,380 |
| 1,05 | 1,18153 | 276,626 | 1,01654+3 | 277,847 | 8,75175 | 279,067 |
| 1,10 | 1,32754 | 281,499 | 1,14216 | 282,741 | 9,83325 | 283,983 |
| 1,15 | 1,48367 | 286,599 | 1,27650 | 287,863 | 1,09898+3 | 289,128 |
| 1,20 | 1,64939 | 291,924 | 1,41908 | 293,213 | 1,23173 | 294,501 |
| 1,25 | 1,82430 | 297,478 | 1,56956 | 298,791 | 1,35128 | 300,103 |
| 1,30 | 2,00809 | 303,258 | 1,72769 | 304,596 | 1,48742 | 305,934 |
| 1,35 | 2,20052 | 309,264 | 1,89325 | 310,628 | 1,62906 | 311,993 |
| 1,40 | 2,40141 | 315,496 | 2,06609 | 316,887 | 1,77876 | 318,279 |
| 1,45 | 2,61062 | 321,952 | 2,24608 | 323,371 | 1,93372 | 324,790 |
| | | | | | | |
| 1,50 | 2,82802+3 | 328,632 | 2,43313+3 | 330,080 | 2,09476+3 | 331,528 |
| 1,55 | 3,05353 | 335,535 | 2,62715 | 337,013 | 2,26181 | 338,491 |
| 1,60 | 3,28709 | 342,661 | 2,82810 | 344,170 | 2,43480 | 345,678 |
| 1,65 | 3,52860 | 350,009 | 3,03589 | 351,549 | 2,61370 | 353,089 |
| 1,70 | 3,77804 | 357,579 | 3,25050 | 359,151 | 2,79847 | 360,723 |
| 1,75 | 4,03535 | 365,369 | 3,47188 | 366,975 | 2,98906 | 368,580 |
| 1,80 | 4,30050 | 373,379 | 3,70001 | 375,019 | 3,18547 | 376,658 |
| 1,85 | 4,57346 | 381,608 | 3,93486 | 383,283 | 3,38766 | 384,957 |
| 1,90 | 4,85420 | 390,065 | 4,17641 | 391,766 | 3,59662 | 393,476 |
| 1,95 | 5,14272 | 398,719 | 4,42464 | 400,406 | 3,80934 | 403,213 |

Продолжение

М от 2,00 до 3,95

| М | H=3000 м | | H=10000 м | | H=3200 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_A , Па | T_A , К | ρ_A , Па | T_A , К | ρ_A , Па | T_A , К |
| 2,00 | 5,43898 +3 | 407,599 | 4,67953 +3 | 409,383 | 4,02879 +3 | 411,167 |
| 2,05 | 5,74297 | 416,693 | 4,94109 | 418,513 | 4,25398 | 420,337 |
| 2,10 | 6,05469 | 426,000 | 5,20929 | 427,851 | 4,48488 | 429,722 |
| 2,15 | 6,37413 | 435,520 | 5,48412 | 437,420 | 4,72150 | 439,320 |
| 2,20 | 6,70127 | 445,249 | 5,76559 | 447,189 | 4,96384 | 449,129 |
| 2,25 | 7,03611 | 455,187 | 6,05369 | 457,168 | 5,21188 | 459,149 |
| 2,30 | 7,37866 | 465,333 | 6,34841 | 467,355 | 5,46562 | 469,377 |
| 2,35 | 7,72889 | 475,681 | 6,64975 | 477,748 | 5,72506 | 479,812 |
| 2,40 | 8,08683 | 486,238 | 6,95771 | 488,346 | 5,99021 | 490,452 |
| 2,45 | 8,45245 | 496,995 | 7,27230 | 499,145 | 6,26105 | 501,295 |
| | | | | | | |
| 2,50 | 8,82577 +3 | 507,951 | 7,59450 +3 | 510,146 | 6,53759 +3 | 512,340 |
| 2,55 | 9,20678 | 519,106 | 7,92132 | 521,345 | 6,81984 | 523,583 |
| 2,60 | 9,59550 | 530,457 | 8,25377 | 532,741 | 7,10779 | 535,024 |
| 2,65 | 9,99190 | 542,002 | 8,59684 | 544,332 | 7,40144 | 546,660 |
| 2,70 | 1,03960 +4 | 553,740 | 8,94454 | 556,116 | 7,70080 | 558,490 |
| 2,75 | 1,08078 | 565,668 | 9,29887 | 568,090 | 8,00585 | 570,511 |
| 2,80 | 1,12274 | 577,784 | 9,65982 | 580,254 | 8,31634 | 582,722 |
| 2,85 | 1,16546 | 590,087 | 1,00274 +4 | 592,604 | 8,63313 | 595,120 |
| 2,90 | 1,20895 | 602,574 | 1,04017 | 605,139 | 8,95534 | 607,704 |
| 2,95 | 1,25322 | 615,244 | 1,07825 | 617,858 | 9,28323 | 620,471 |
| | | | | | | |
| 3,00 | 1,29826 +4 | 628,094 | 1,11700 +4 | 630,758 | 9,61691 +3 | 633,420 |
| 3,05 | 1,34407 | 641,123 | 1,15642 | 643,837 | 9,95628 | 646,548 |
| 3,10 | 1,39036 | 654,330 | 1,19650 | 657,093 | 1,03014 +4 | 659,855 |
| 3,15 | 1,43801 | 667,711 | 1,23725 | 670,526 | 1,06522 | 673,338 |
| 3,20 | 1,48615 | 681,267 | 1,27837 | 684,132 | 1,10088 | 686,996 |
| 3,25 | 1,53503 | 694,994 | 1,32075 | 697,912 | 1,13711 | 700,827 |
| 3,30 | 1,58473 | 708,892 | 1,36449 | 711,862 | 1,17391 | 714,829 |
| 3,35 | 1,63519 | 722,959 | 1,40921 | 725,981 | 1,21129 | 729,001 |
| 3,40 | 1,68642 | 737,193 | 1,45509 | 740,269 | 1,24924 | 743,342 |
| 3,45 | 1,73843 | 751,593 | 1,49573 | 754,723 | 1,28777 | 757,850 |
| | | | | | | |
| 3,50 | 1,79121 +4 | 766,158 | 1,54115 +4 | 769,342 | 1,32687 +4 | 772,524 |
| 3,55 | 1,84478 | 780,887 | 1,58724 | 784,123 | 1,36655 | 787,362 |
| 3,60 | 1,89911 | 795,778 | 1,63309 | 799,072 | 1,40683 | 802,364 |
| 3,65 | 1,95423 | 810,830 | 1,68141 | 814,180 | 1,44763 | 817,528 |
| 3,70 | 2,01012 | 826,042 | 1,72950 | 829,449 | 1,48904 | 832,854 |
| 3,75 | 2,06679 | 841,414 | 1,77826 | 844,878 | 1,53102 | 848,339 |
| 3,80 | 2,12423 | 856,943 | 1,82769 | 860,465 | 1,57358 | 863,984 |
| 3,85 | 2,18246 | 872,630 | 1,87778 | 876,210 | 1,61671 | 879,788 |
| 3,90 | 2,24146 | 888,473 | 1,92855 | 892,112 | 1,66042 | 895,748 |
| 3,95 | 2,30124 | 904,472 | 1,97999 | 908,170 | 1,70471 | 911,836 |

Продолжение

М от 4,00 до 6,00

| М | H=3000 м | | H=3100 м | | H=3200 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_z , Па | T_0 , К | p_z , Па | T_0 , К | p_z , Па | T_0 , К |
| 4,00 | 2,36181+4 | 920,625 | 2,03210+4 | 924,383 | 1,74957+4 | 928,139 |
| 4,05 | 2,42315 | 936,932 | 2,08488 | 940,751 | 1,79501 | 944,567 |
| 4,10 | 2,48527 | 953,393 | 2,13832 | 957,273 | 1,84103 | 961,150 |
| 4,15 | 2,54816 | 970,006 | 2,19244 | 973,947 | 1,88763 | 977,886 |
| 4,20 | 2,61184 | 986,770 | 2,24723 | 990,774 | 1,93480 | 994,775 |
| 4,25 | 2,67630 | 1003,69 | 2,30270 | 1007,75 | 1,98255 | 1011,82 |
| 4,30 | 2,74154 | 1020,75 | 2,35883 | 1024,88 | 2,03088 | 1029,01 |
| 4,35 | 2,80756 | 1037,97 | 2,41563 | 1042,16 | 2,07979 | 1046,35 |
| 4,40 | 2,87437 | 1055,33 | 2,47311 | 1059,59 | 2,12928 | 1063,85 |
| 4,45 | 2,94195 | 1072,84 | 2,53126 | 1077,17 | 2,17934 | 1081,49 |
| | | | | | | |
| 4,50 | 3,01031+4 | 1090,50 | 2,59009+4 | 1094,89 | 2,22999+4 | 1099,28 |
| 4,55 | 3,07946 | 1108,31 | 2,64958 | 1112,76 | 2,28122 | 1117,22 |
| 4,60 | 3,14939 | 1126,26 | 2,70975 | 1130,78 | 2,33302 | 1135,30 |
| 4,65 | 3,22011 | 1144,36 | 2,77059 | 1148,95 | 2,38541 | 1153,53 |
| 4,70 | 3,29160 | 1162,60 | 2,83211 | 1167,26 | 2,43837 | 1171,91 |
| 4,75 | 3,36389 | 1180,99 | 2,89431 | 1185,71 | 2,49192 | 1190,43 |
| 4,80 | 3,43696 | 1199,51 | 2,95718 | 1204,30 | 2,54605 | 1209,09 |
| 4,85 | 3,51081 | 1218,18 | 3,02072 | 1223,04 | 2,60076 | 1227,90 |
| 4,90 | 3,58545 | 1236,99 | 3,08495 | 1241,92 | 2,65606 | 1246,85 |
| 4,95 | 3,66088 | 1255,94 | 3,14985 | 1260,94 | 2,71194 | 1265,93 |
| | | | | | | |
| 5,00 | 3,73709+4 | 1275,03 | 3,21542+4 | 1280,10 | 2,76840+4 | 1285,16 |
| 5,05 | 3,81410 | 1294,25 | 3,28168 | 1299,39 | 2,82545 | 1304,53 |
| 5,10 | 3,89190 | 1313,61 | 3,34862 | 1318,82 | 2,88308 | 1324,03 |
| 5,15 | 3,97048 | 1333,11 | 3,41624 | 1338,39 | 2,94131 | 1343,66 |
| 5,20 | 4,04986 | 1352,74 | 3,48454 | 1358,09 | 3,00011 | 1363,44 |
| 5,25 | 4,13004 | 1372,50 | 3,55353 | 1377,92 | 3,05951 | 1383,34 |
| 5,30 | 4,21100 | 1392,39 | 3,62319 | 1397,89 | 3,11949 | 1403,38 |
| 5,35 | 4,29277 | 1412,41 | 3,69355 | 1417,98 | 3,18007 | 1423,54 |
| 5,40 | 4,37533 | 1432,56 | 3,76459 | 1438,20 | 3,24124 | 1443,84 |
| 5,45 | 4,45869 | 1452,84 | 3,83621 | 1458,55 | 3,30299 | 1464,26 |
| | | | | | | |
| 5,50 | 4,54285+4 | 1473,25 | 3,90873+4 | 1479,03 | 3,36535+4 | 1484,81 |
| 5,55 | 4,62781 | 1493,77 | 3,98183 | 1499,63 | 3,42829 | 1505,48 |
| 5,60 | 4,71357 | 1514,42 | 4,05563 | 1520,35 | 3,49183 | 1526,27 |
| 5,65 | 4,80014 | 1535,19 | 4,13012 | 1541,19 | 3,55597 | 1547,19 |
| 5,70 | 4,88751 | 1556,08 | 4,20530 | 1562,15 | 3,62070 | 1568,22 |
| 5,75 | 4,97569 | 1577,09 | 4,28117 | 1583,23 | 3,68603 | 1589,37 |
| 5,80 | 5,06468 | 1598,21 | 4,35774 | 1604,42 | 3,75196 | 1610,63 |
| 5,85 | 5,15448 | 1619,44 | 4,43501 | 1625,73 | 3,81849 | 1632,01 |
| 5,90 | 5,24508 | 1640,78 | 4,51298 | 1647,14 | 3,88562 | 1653,49 |
| 5,95 | 5,33650 | 1662,24 | 4,59164 | 1668,67 | 3,95335 | 1675,08 |
| | | | | | | |
| 6,00 | 5,42874+4 | 1683,80 | 4,67100+4 | 1690,29 | 4,02169+4 | 1696,78 |

М от 0,05 до 1,95

Продолжение

| М | H=3300 м | | H=3400 м | | H=3500 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | P_d , Па | T_s , К | P_d , Па | T_s , К | P_d , Па | T_s , К |
| 0,05 | 1,31021+0 | 231,566 | 1,13141+0 | 234,367 | 9,78720+0 | 237,169 |
| 0,10 | 5,25066 | 231,913 | 4,53414 | 234,719 | 3,92222+1 | 237,524 |
| 0,15 | 1,18509+1 | 232,492 | 1,02337+1 | 235,304 | 8,85260 | 238,117 |
| 0,20 | 2,11605 | 233,302 | 1,82729 | 236,124 | 1,58069+2 | 238,946 |
| 0,25 | 3,32494 | 234,343 | 2,87121 | 237,178 | 2,48372 | 240,013 |
| 0,30 | 4,82081 | 235,616 | 4,16295 | 238,467 | 3,60113 | 241,317 |
| 0,35 | 6,61491 | 237,121 | 5,71222 | 239,989 | 4,94131 | 242,858 |
| 0,40 | 8,72067 | 238,876 | 7,53062 | 241,746 | 6,51431 | 244,636 |
| 0,45 | 1,11539+2 | 240,824 | 9,63181 | 243,737 | 8,33193 | 246,651 |
| | | | | | | |
| 0,50 | 1,39328+2 | 243,023 | 1,20315+2 | 245,963 | 1,04078+3 | 248,903 |
| 0,55 | 1,70783 | 245,453 | 1,47477 | 248,422 | 1,27574 | 251,392 |
| 0,60 | 2,06138 | 248,114 | 1,78008 | 251,116 | 1,53981 | 254,118 |
| 0,65 | 2,45658 | 251,008 | 2,12135 | 254,044 | 1,83906 | 257,081 |
| 0,70 | 2,89638 | 254,132 | 2,50113 | 257,206 | 2,16358 | 260,281 |
| 0,75 | 3,38105 | 257,488 | 2,92225 | 260,603 | 2,52787 | 263,718 |
| 0,80 | 3,92323 | 261,076 | 3,38785 | 264,231 | 2,93064 | 267,392 |
| 0,85 | 4,51790 | 264,895 | 3,90138 | 268,099 | 3,37486 | 271,304 |
| 0,90 | 5,17248 | 268,945 | 4,46363 | 272,198 | 3,85383 | 275,452 |
| 0,95 | 5,89178 | 273,227 | 5,08777 | 276,532 | 4,40114 | 279,838 |
| | | | | | | |
| 1,00 | 6,68109+2 | 277,740 | 5,76937+2 | 281,100 | 4,99075+3 | 284,460 |
| 1,05 | 7,54397 | 282,485 | 6,51449 | 285,902 | 5,63532 | 289,320 |
| 1,10 | 8,47621 | 287,461 | 7,31952 | 290,938 | 6,33170 | 294,416 |
| 1,15 | 9,47311 | 292,659 | 8,18038 | 296,209 | 7,07638 | 299,750 |
| 1,20 | 1,05312+3 | 298,108 | 9,09411 | 301,714 | 7,86680 | 305,320 |
| 1,25 | 1,16480 | 303,778 | 1,00685+3 | 307,453 | 8,70102 | 311,128 |
| 1,30 | 1,28215 | 309,680 | 1,10718 | 313,426 | 9,57760 | 317,171 |
| 1,35 | 1,40501 | 315,812 | 1,21328 | 319,631 | 1,04954+4 | 323,449 |
| 1,40 | 1,53328 | 322,174 | 1,32405 | 326,068 | 1,14536 | 329,961 |
| 1,45 | 1,66686 | 328,784 | 1,43940 | 332,736 | 1,24515 | 336,707 |
| | | | | | | |
| 1,50 | 1,80568+3 | 335,582 | 1,55928+3 | 339,636 | 1,34885+4 | 343,686 |
| 1,55 | 1,94958 | 342,628 | 1,68353 | 346,764 | 1,45642 | 350,898 |
| 1,60 | 2,09880 | 349,901 | 1,81241 | 354,122 | 1,56783 | 358,342 |
| 1,65 | 2,25302 | 357,400 | 1,94558 | 361,709 | 1,68303 | 366,017 |
| 1,70 | 2,41229 | 365,135 | 2,08413 | 369,524 | 1,80202 | 373,922 |
| 1,75 | 2,57659 | 373,074 | 2,22501 | 377,567 | 1,92476 | 382,057 |
| 1,80 | 2,74590 | 381,218 | 2,37124 | 385,836 | 2,05125 | 390,420 |
| 1,85 | 2,92020 | 389,644 | 2,52175 | 394,328 | 2,18146 | 399,010 |
| 1,90 | 3,09947 | 398,262 | 2,67656 | 403,046 | 2,31539 | 407,827 |
| 1,95 | 3,28370 | 407,191 | 2,83566 | 411,986 | 2,45303 | 416,858 |

М от 2,00 до 3,95

Продолжение

| М | H=3000 м | | H=3400 м | | H=3800 м | |
|------|---------------|-----------|---------------|-----------|---------------|-----------|
| | ρ_A , Па | T_0 , К | ρ_A , Па | T_0 , К | ρ_A , Па | T_0 , К |
| 2,00 | 3,47288÷3 | 416,159 | 2,99904÷3 | 421,148 | 2,59436÷4 | 426,134 |
| 2,05 | 3,66700 | 425,435 | 3,16668 | 430,530 | 2,73939 | 435,621 |
| 2,10 | 3,86606 | 434,928 | 3,33858 | 440,130 | 2,88811 | 445,329 |
| 2,15 | 4,07004 | 444,636 | 3,51474 | 449,948 | 3,04050 | 455,256 |
| 2,20 | 4,27894 | 454,558 | 3,69515 | 459,981 | 3,19658 | 465,400 |
| 2,25 | 4,49277 | 464,691 | 3,87982 | 470,228 | 3,35634 | 475,760 |
| 2,30 | 4,71152 | 475,035 | 4,06873 | 480,687 | 3,51977 | 486,334 |
| 2,35 | 4,93518 | 485,588 | 4,26189 | 491,357 | 3,68688 | 497,120 |
| 2,40 | 5,16375 | 496,347 | 4,45929 | 502,235 | 3,85766 | 508,116 |
| 2,45 | 5,39724 | 507,310 | 4,66094 | 513,319 | 4,03211 | 519,320 |
| | | | | | | |
| 2,50 | 5,63565÷3 | 518,477 | 4,86684÷3 | 524,607 | 4,21024÷4 | 530,730 |
| 2,55 | 5,87897 | 529,845 | 5,07698 | 536,099 | 4,39204 | 542,345 |
| 2,60 | 6,12721 | 541,411 | 5,29137 | 547,790 | 4,57752 | 554,161 |
| 2,65 | 6,38037 | 553,175 | 5,51001 | 559,680 | 4,76668 | 566,177 |
| 2,70 | 6,63845 | 565,133 | 5,73290 | 571,767 | 4,95951 | 578,391 |
| 2,75 | 6,90145 | 577,284 | 5,96004 | 584,048 | 5,15603 | 590,801 |
| 2,80 | 7,16937 | 589,627 | 6,19143 | 596,521 | 5,35622 | 603,405 |
| 2,85 | 7,44223 | 602,158 | 6,42709 | 609,185 | 5,56010 | 616,201 |
| 2,90 | 7,72001 | 614,876 | 6,66699 | 622,037 | 5,76766 | 629,186 |
| 2,95 | 8,00272 | 627,779 | 6,91116 | 635,075 | 5,97891 | 642,360 |
| | | | | | | |
| 3,00 | 8,29036÷3 | 640,865 | 7,15959÷3 | 648,298 | 6,19385÷4 | 655,719 |
| 3,05 | 8,58295 | 654,132 | 7,41229 | 661,704 | 6,41247 | 669,263 |
| 3,10 | 8,88047 | 667,579 | 7,66925 | 675,290 | 6,63479 | 682,988 |
| 3,15 | 9,18293 | 681,204 | 7,93048 | 689,056 | 6,86080 | 696,895 |
| 3,20 | 9,49034 | 695,005 | 8,19598 | 703,000 | 7,09051 | 710,980 |
| 3,25 | 9,80269 | 708,980 | 8,46576 | 717,119 | 7,32391 | 725,243 |
| 3,30 | 1,01200÷4 | 723,128 | 8,73980 | 731,413 | 7,56102 | 739,682 |
| 3,35 | 1,04423 | 737,448 | 9,01813 | 745,879 | 7,80182 | 754,295 |
| 3,40 | 1,07695 | 751,938 | 9,30073 | 760,517 | 8,04632 | 769,081 |
| 3,45 | 1,11016 | 766,596 | 9,58761 | 775,326 | 8,29453 | 784,039 |
| | | | | | | |
| 3,50 | 1,14387÷4 | 781,422 | 9,87878÷3 | 790,303 | 8,54644÷4 | 799,167 |
| 3,55 | 1,17808 | 796,413 | 1,01742÷4 | 805,447 | 8,80206 | 814,465 |
| 3,60 | 1,21279 | 811,570 | 1,04740 | 820,759 | 9,06139 | 829,930 |
| 3,65 | 1,24799 | 826,891 | 1,07780 | 836,235 | 9,32442 | 845,563 |
| 3,70 | 1,28368 | 842,374 | 1,10853 | 851,877 | 9,59116 | 861,361 |
| 3,75 | 1,31988 | 858,019 | 1,13989 | 867,681 | 9,86162 | 877,324 |
| 3,80 | 1,35657 | 873,826 | 1,17158 | 883,648 | 1,01358÷5 | 893,452 |
| 3,85 | 1,39375 | 889,792 | 1,20370 | 899,777 | 1,04137 | 909,743 |
| 3,90 | 1,43144 | 905,917 | 1,23624 | 916,066 | 1,06953 | 926,165 |
| 3,95 | 1,46962 | 922,200 | 1,26922 | 932,515 | 1,09806 | 942,810 |

Продолжение

M от 4,00 до 6,00

| M | H=12000 м | | H=24000 м | | H=35000 м | |
|------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К |
| 4,00 | 1,50830+4 | 938,641 | 1,30263+4 | 949,123 | 1,12606+5 | 959,585 |
| 4,05 | 1,54748 | 955,238 | 1,33646 | 965,889 | 1,15624 | 976,520 |
| 4,10 | 1,58715 | 971,992 | 1,37073 | 982,813 | 1,18588 | 993,613 |
| 4,15 | 1,62732 | 988,900 | 1,40542 | 999,893 | 1,21590 | 1010,87 |
| 4,20 | 1,66799 | 1005,96 | 1,44055 | 1017,13 | 1,24629 | 1028,28 |
| 4,25 | 1,70916 | 1023,18 | 1,47611 | 1034,52 | 1,27706 | 1045,84 |
| 4,30 | 1,75083 | 1040,55 | 1,51210 | 1052,07 | 1,30819 | 1063,56 |
| 4,35 | 1,79300 | 1058,07 | 1,54851 | 1069,77 | 1,33970 | 1081,44 |
| 4,40 | 1,83566 | 1075,74 | 1,58536 | 1087,62 | 1,37158 | 1099,47 |
| 4,45 | 1,87883 | 1093,57 | 1,62264 | 1105,62 | 1,40384 | 1117,65 |
| | | | | | | |
| 4,50 | 1,92249+4 | 1111,54 | 1,66036+4 | 1123,78 | 1,43647+5 | 1136,00 |
| 4,55 | 1,96665 | 1129,66 | 1,69850 | 1142,09 | 1,46747 | 1154,49 |
| 4,60 | 2,01132 | 1147,93 | 1,73708 | 1160,54 | 1,50284 | 1173,13 |
| 4,65 | 2,05648 | 1166,35 | 1,77609 | 1179,15 | 1,53860 | 1191,92 |
| 4,70 | 2,10215 | 1184,92 | 1,81553 | 1197,90 | 1,57072 | 1210,86 |
| 4,75 | 2,14832 | 1203,63 | 1,85540 | 1216,80 | 1,60522 | 1229,95 |
| 4,80 | 2,19499 | 1222,48 | 1,89571 | 1235,84 | 1,64010 | 1249,18 |
| 4,85 | 2,24216 | 1241,48 | 1,93645 | 1255,03 | 1,67535 | 1268,56 |
| 4,90 | 2,28983 | 1260,62 | 1,97763 | 1274,37 | 1,71098 | 1288,08 |
| 4,95 | 2,33801 | 1279,90 | 2,01924 | 1293,84 | 1,74698 | 1307,75 |
| | | | | | | |
| 5,00 | 2,38669+4 | 1299,32 | 2,06129+4 | 1313,46 | 1,78336+5 | 1327,56 |
| 5,05 | 2,43588 | 1318,88 | 2,10377 | 1333,21 | 1,82012 | 1347,51 |
| 5,10 | 2,48557 | 1338,58 | 2,14670 | 1353,11 | 1,85726 | 1367,60 |
| 5,15 | 2,53577 | 1358,42 | 2,19015 | 1373,14 | 1,89477 | 1387,83 |
| 5,20 | 2,58647 | 1378,39 | 2,23385 | 1393,31 | 1,93267 | 1408,20 |
| 5,25 | 2,63768 | 1398,49 | 2,27809 | 1413,61 | 1,97095 | 1428,70 |
| 5,30 | 2,68941 | 1418,73 | 2,32276 | 1434,04 | 2,00960 | 1449,33 |
| 5,35 | 2,74164 | 1439,09 | 2,36788 | 1454,61 | 2,04864 | 1470,10 |
| 5,40 | 2,79438 | 1459,59 | 2,41343 | 1475,30 | 2,08809 | 1491,00 |
| 5,45 | 2,84763 | 1480,21 | 2,45943 | 1496,13 | 2,12786 | 1512,03 |
| | | | | | | |
| 5,50 | 2,90139+4 | 1500,96 | 2,50587+4 | 1517,07 | 2,16805+5 | 1533,18 |
| 5,55 | 2,95566 | 1521,83 | 2,55275 | 1538,15 | 2,20862 | 1554,46 |
| 5,60 | 3,01045 | 1542,83 | 2,60008 | 1559,34 | 2,24958 | 1575,87 |
| 5,65 | 3,06575 | 1563,94 | 2,64785 | 1580,66 | 2,29092 | 1597,39 |
| 5,70 | 3,12157 | 1585,18 | 2,69607 | 1602,09 | 2,33265 | 1619,04 |
| 5,75 | 3,17791 | 1606,53 | 2,74473 | 1623,64 | 2,37476 | 1640,81 |
| 5,80 | 3,23476 | 1627,99 | 2,79384 | 1645,30 | 2,41726 | 1662,69 |
| 5,85 | 3,29212 | 1649,57 | 2,84339 | 1667,07 | 2,46016 | 1684,69 |
| 5,90 | 3,35001 | 1671,25 | 2,89340 | 1688,95 | 2,50344 | 1706,80 |
| 5,95 | 3,40841 | 1693,04 | 2,94385 | 1710,93 | 2,54711 | 1729,02 |
| 6,00 | 3,46734+4 | 1714,93 | 2,99473+4 | 1733,01 | 2,59117+5 | 1751,35 |

М от 0,05 до 1,95

Продолжение

| М | H=3000 м | | H=3700 м | | H=3800 м | |
|------|---------------|--------------|---------------|--------------|---------------|--------------|
| | $P_{ст}$, Па | $T_{ст}$, К | $P_{ст}$, Па | $T_{ст}$, К | $P_{ст}$, Па | $T_{ст}$, К |
| 0,05 | 8,48076-1 | 239,970 | 7,36097-1 | 242,771 | 6,39940-1 | 245,573 |
| 0,10 | 3,39867+0 | 240,330 | 2,94991+0 | 243,135 | 2,56456+0 | 245,941 |
| 0,15 | 7,67092 | 240,929 | 6,65806 | 243,742 | 5,78831 | 246,555 |
| 0,20 | 1,36969+1 | 241,769 | 1,18884+1 | 244,591 | 1,03354+1 | 247,414 |
| 0,25 | 2,15218 | 242,848 | 1,86801 | 245,683 | 1,62399 | 248,518 |
| 0,30 | 3,12044 | 244,167 | 2,70842 | 247,018 | 2,35462 | 249,868 |
| 0,35 | 4,28172 | 245,726 | 3,71637 | 248,596 | 3,23090 | 251,464 |
| 0,40 | 5,64475 | 247,525 | 4,89943 | 250,415 | 4,25941 | 253,304 |
| 0,45 | 7,21975 | 249,564 | 6,26646 | 252,477 | 5,44787 | 255,391 |
| | | | | | | |
| 0,50 | 9,01850+1 | 251,843 | 7,82771+1 | 254,782 | 6,80617+1 | 257,722 |
| 0,55 | 1,10545+2 | 254,361 | 9,59488 | 257,330 | 8,34149 | 260,300 |
| 0,60 | 1,33430 | 257,119 | 1,15812+2 | 260,121 | 1,00683+2 | 263,122 |
| 0,65 | 1,59010 | 260,117 | 1,38015 | 263,154 | 1,19986 | 266,191 |
| 0,70 | 1,87478 | 263,355 | 1,62724 | 266,430 | 1,41467 | 269,504 |
| 0,75 | 2,19044 | 266,833 | 1,90122 | 269,948 | 1,65286 | 273,063 |
| 0,80 | 2,53944 | 270,581 | 2,20414 | 273,709 | 1,91621 | 276,868 |
| 0,85 | 2,92437 | 274,508 | 2,53824 | 277,713 | 2,20667 | 280,918 |
| 0,90 | 3,34807 | 278,706 | 2,90599 | 281,959 | 2,52638 | 285,213 |
| 0,95 | 3,81366 | 283,143 | 3,31011 | 286,448 | 2,87770 | 289,754 |
| | | | | | | |
| 1,00 | 4,32456+2 | 287,820 | 3,75356+2 | 291,180 | 3,26322+2 | 294,540 |
| 1,05 | 4,88309 | 292,737 | 4,23833 | 296,154 | 3,68468 | 299,572 |
| 1,10 | 5,48652 | 297,894 | 4,76209 | 301,371 | 4,14001 | 304,849 |
| 1,15 | 6,13180 | 303,290 | 5,32216 | 306,831 | 4,62692 | 310,371 |
| 1,20 | 6,81670 | 308,927 | 5,91663 | 312,533 | 5,14373 | 316,138 |
| 1,25 | 7,53957 | 314,802 | 6,54405 | 318,476 | 5,68920 | 322,148 |
| 1,30 | 8,29914 | 320,915 | 7,20334 | 324,659 | 6,26237 | 328,402 |
| 1,35 | 9,09446 | 327,266 | 7,89366 | 331,082 | 6,86252 | 334,897 |
| 1,40 | 9,92476 | 333,853 | 8,61434 | 337,745 | 7,48908 | 341,635 |
| 1,45 | 1,07894+3 | 340,677 | 9,36492 | 344,646 | 8,14162 | 348,614 |
| | | | | | | |
| 1,50 | 1,16881+3 | 347,737 | 1,01449+3 | 351,786 | 8,81975+2 | 355,833 |
| 1,55 | 1,26203 | 355,031 | 1,09540 | 359,163 | 9,52318 | 363,293 |
| 1,60 | 1,35856 | 362,560 | 1,17919 | 366,777 | 1,02517+3 | 370,992 |
| 1,65 | 1,45839 | 370,323 | 1,26585 | 374,627 | 1,10051 | 378,929 |
| 1,70 | 1,56150 | 378,318 | 1,35535 | 382,711 | 1,17832 | 387,103 |
| 1,75 | 1,66787 | 386,545 | 1,44767 | 391,030 | 1,25858 | 395,514 |
| 1,80 | 1,77747 | 395,002 | 1,54281 | 399,582 | 1,34130 | 404,160 |
| 1,85 | 1,89031 | 403,689 | 1,64075 | 408,366 | 1,42646 | 413,040 |
| 1,90 | 2,00637 | 412,605 | 1,74150 | 417,380 | 1,51404 | 422,152 |
| 1,95 | 2,12564 | 421,747 | 1,84502 | 426,623 | 1,60405 | 431,496 |

Продолжение

М от 2,00 до 3,95

| М | H=3600 м | | H=3700 м | | H=3800 м | |
|------|------------------|--------------|------------------|--------------|------------------|--------------|
| | ρ_{st} , Па | T_{st} , К | ρ_{st} , Па | T_{st} , К | ρ_{st} , Па | T_{st} , К |
| 2,00 | 2,24812+3 | 431,116 | 1,95134+3 | 436,094 | 1,69648+3 | 441,069 |
| 2,05 | 2,37380 | 440,708 | 2,06043 | 445,791 | 1,79133 | 450,871 |
| 2,10 | 2,50267 | 450,523 | 2,17229 | 455,713 | 1,88859 | 460,899 |
| 2,15 | 2,63474 | 460,559 | 2,28693 | 465,858 | 1,98826 | 471,152 |
| 2,20 | 2,76999 | 470,814 | 2,40434 | 476,224 | 2,09034 | 481,628 |
| 2,25 | 2,90844 | 481,287 | 2,52451 | 486,809 | 2,19483 | 492,325 |
| 2,30 | 3,05007 | 491,975 | 2,64745 | 497,611 | 2,30172 | 503,241 |
| 2,35 | 3,19488 | 502,878 | 2,77316 | 508,629 | 2,41102 | 514,374 |
| 2,40 | 3,34288 | 513,991 | 2,90163 | 519,860 | 2,52272 | 525,722 |
| 2,45 | 3,49406 | 525,315 | 3,03287 | 531,302 | 2,63682 | 537,283 |
| | | | | | | |
| 2,50 | 3,64843+3 | 536,846 | 3,16687+3 | 542,954 | 2,75333+3 | 549,055 |
| 2,55 | 3,80599 | 548,583 | 3,30364 | 554,813 | 2,87225 | 561,036 |
| 2,60 | 3,96673 | 560,523 | 3,44317 | 566,877 | 2,99357 | 573,223 |
| 2,65 | 4,13065 | 572,665 | 3,58548 | 579,145 | 3,11730 | 585,615 |
| 2,70 | 4,29777 | 585,007 | 3,73055 | 591,613 | 3,24344 | 598,209 |
| 2,75 | 4,46808 | 597,545 | 3,87838 | 604,279 | 3,37198 | 611,004 |
| 2,80 | 4,64157 | 610,279 | 4,02899 | 617,143 | 3,50293 | 623,996 |
| 2,85 | 4,81826 | 623,206 | 4,18237 | 630,201 | 3,63630 | 637,185 |
| 2,90 | 4,99815 | 636,325 | 4,33853 | 643,452 | 3,77207 | 650,568 |
| 2,95 | 5,18122 | 649,633 | 4,49746 | 656,894 | 3,91026 | 664,143 |
| | | | | | | |
| 3,00 | 5,36750+3 | 663,128 | 4,65916+3 | 670,524 | 4,05096+3 | 677,909 |
| 3,05 | 5,55697 | 676,809 | 4,82364 | 684,342 | 4,19388 | 691,863 |
| 3,10 | 5,74964 | 690,673 | 4,99090 | 698,345 | 4,33931 | 706,004 |
| 3,15 | 5,94552 | 704,720 | 5,16094 | 712,532 | 4,48716 | 720,330 |
| 3,20 | 6,14459 | 718,947 | 5,33375 | 726,900 | 4,63742 | 734,839 |
| 3,25 | 6,34687 | 733,353 | 5,50935 | 741,449 | 4,79011 | 749,530 |
| 3,30 | 6,55236 | 747,936 | 5,68774 | 756,176 | 4,94522 | 764,402 |
| 3,35 | 6,76105 | 762,696 | 5,86890 | 771,081 | 5,10274 | 779,452 |
| 3,40 | 6,97295 | 777,629 | 6,05286 | 786,162 | 5,26269 | 794,680 |
| 3,45 | 7,18806 | 792,736 | 6,23959 | 801,418 | 5,42506 | 810,084 |
| | | | | | | |
| 3,50 | 7,40639+3 | 808,015 | 6,42912+3 | 816,847 | 5,58986+3 | 825,664 |
| 3,55 | 7,62792 | 823,465 | 6,62143 | 832,449 | 5,75708 | 841,417 |
| 3,60 | 7,85267 | 839,084 | 6,81654 | 848,222 | 5,92672 | 857,343 |
| 3,65 | 8,08063 | 854,872 | 7,01443 | 864,165 | 6,09879 | 873,441 |
| 3,70 | 8,31180 | 870,828 | 7,21512 | 880,277 | 6,27329 | 889,709 |
| 3,75 | 8,54620 | 886,950 | 7,41859 | 896,558 | 6,45021 | 906,148 |
| 3,80 | 8,78381 | 903,238 | 7,62486 | 913,005 | 6,62957 | 922,755 |
| 3,85 | 9,02463 | 919,690 | 7,83393 | 929,619 | 6,81135 | 939,530 |
| 3,90 | 9,26868 | 936,306 | 8,04579 | 946,398 | 6,99556 | 956,472 |
| 3,95 | 9,51595 | 953,086 | 8,26044 | 963,342 | 7,18220 | 973,581 |

М от 4,00 до 6,00

Продолжение

| М | H=3600 м | | H=3700 м | | H=3800 м | |
|------|-------------------|------------------|-------------------|------------------|-------------------|------------------|
| | p_{Δ} , Па | T_{Δ} , К | p_{Δ} , Па | T_{Δ} , К | p_{Δ} , Па | T_{Δ} , К |
| 4,00 | 9,76644+3 | 970,027 | 8,47789+3 | 980,450 | 7,37128+3 | 990,854 |
| 4,05 | 1,00202+4 | 987,130 | 8,69814 | 997,721 | 7,56279 | 1008,29 |
| 4,10 | 1,02771 | 1004,39 | 8,92119 | 1015,15 | 7,75673 | 1025,90 |
| 4,15 | 1,05372 | 1021,82 | 9,14703 | 1032,75 | 7,95311 | 1043,66 |
| 4,20 | 1,08008 | 1039,40 | 9,37568 | 1050,50 | 8,15192 | 1061,59 |
| 4,25 | 1,10673 | 1057,14 | 9,60713 | 1068,42 | 8,35317 | 1079,68 |
| 4,30 | 1,13371 | 1075,01 | 9,84138 | 1086,49 | 8,55685 | 1097,93 |
| 4,35 | 1,16102 | 1093,09 | 1,00784+4 | 1104,72 | 8,76298 | 1116,33 |
| 4,40 | 1,18865 | 1111,30 | 1,03183 | 1123,11 | 8,97155 | 1134,90 |
| 4,45 | 1,21660 | 1129,67 | 1,05610 | 1141,66 | 9,18256 | 1153,63 |
| 4,50 | 1,24488+4 | 1148,19 | 1,08065+4 | 1160,36 | 9,39602+3 | 1172,51 |
| 4,55 | 1,27348 | 1166,86 | 1,10548 | 1179,22 | 9,61192 | 1191,64 |
| 4,60 | 1,30241 | 1185,60 | 1,13059 | 1198,22 | 9,83028 | 1210,74 |
| 4,65 | 1,33166 | 1204,66 | 1,15598 | 1217,38 | 1,00511+4 | 1230,08 |
| 4,70 | 1,36124 | 1223,79 | 1,18166 | 1236,70 | 1,02743 | 1249,58 |
| 4,75 | 1,39114 | 1243,07 | 1,20762 | 1256,16 | 1,05001 | 1269,23 |
| 4,80 | 1,42136 | 1262,49 | 1,23386 | 1275,77 | 1,07282 | 1289,03 |
| 4,85 | 1,45192 | 1282,06 | 1,26038 | 1295,53 | 1,09589 | 1308,97 |
| 4,90 | 1,48279 | 1301,77 | 1,28719 | 1315,44 | 1,11920 | 1329,07 |
| 4,95 | 1,51400 | 1321,63 | 1,31428 | 1335,49 | 1,14275 | 1349,31 |
| 5,00 | 1,54553+4 | 1341,63 | 1,34165+4 | 1355,68 | 1,16656+4 | 1369,70 |
| 5,05 | 1,57739 | 1361,78 | 1,36931 | 1376,02 | 1,19061 | 1390,22 |
| 5,10 | 1,60958 | 1382,06 | 1,39726 | 1396,49 | 1,21491 | 1410,89 |
| 5,15 | 1,64206 | 1402,49 | 1,42549 | 1417,11 | 1,23946 | 1431,70 |
| 5,20 | 1,67494 | 1423,04 | 1,45400 | 1437,86 | 1,26426 | 1452,65 |
| 5,25 | 1,70812 | 1443,74 | 1,48281 | 1458,75 | 1,28930 | 1473,73 |
| 5,30 | 1,74162 | 1464,57 | 1,51189 | 1479,78 | 1,31460 | 1494,95 |
| 5,35 | 1,77546 | 1485,53 | 1,54127 | 1500,93 | 1,34014 | 1516,30 |
| 5,40 | 1,80962 | 1506,62 | 1,57093 | 1522,22 | 1,36594 | 1537,78 |
| 5,45 | 1,84412 | 1527,84 | 1,60089 | 1543,63 | 1,39199 | 1559,39 |
| 5,50 | 1,87895+4 | 1549,18 | 1,63113+4 | 1565,17 | 1,41829+4 | 1581,12 |
| 5,55 | 1,91412 | 1570,65 | 1,66166 | 1586,83 | 1,44484 | 1602,97 |
| 5,60 | 1,94961 | 1592,24 | 1,69248 | 1608,61 | 1,47164 | 1624,94 |
| 5,65 | 1,98544 | 1613,94 | 1,72359 | 1630,51 | 1,49869 | 1647,03 |
| 5,70 | 2,02161 | 1635,77 | 1,75499 | 1652,53 | 1,52600 | 1669,23 |
| 5,75 | 2,05811 | 1657,70 | 1,78668 | 1674,65 | 1,55356 | 1691,51 |
| 5,80 | 2,09494 | 1679,75 | 1,81866 | 1696,88 | 1,58137 | 1713,96 |
| 5,85 | 2,13211 | 1701,90 | 1,85093 | 1719,22 | 1,60943 | 1736,47 |
| 5,90 | 2,16962 | 1724,15 | 1,88349 | 1741,66 | 1,63775 | 1759,08 |
| 5,95 | 2,20746 | 1746,51 | 1,91634 | 1764,19 | 1,66631 | 1781,78 |
| 6,00 | 2,24563+4 | 1768,95 | 1,94948+4 | 1786,80 | 1,69513+4 | 1804,57 |

Продолжение

М от 0,05 до 1,95

| М | H=3000 м | | H=8000 м | | H=41000 м | |
|------|---------------|--------------|---------------|--------------|---------------|--------------|
| | ρ_A , Па | T_{st} , К | ρ_A , Па | T_{st} , К | ρ_A , Па | T_{st} , К |
| 0,05 | 5,57230—1 | 248,374 | 4,85962—1 | 251,176 | 4,24452—1 | 253,977 |
| 0,10 | 2,23310+0 | 248,747 | 1,94749+0 | 251,552 | 1,70100+0 | 254,358 |
| 0,15 | 5,04019 | 249,367 | 4,39557 | 252,180 | 3,83921 | 254,992 |
| 0,20 | 8,99967 | 250,236 | 7,84855 | 253,058 | 6,85514 | 255,881 |
| 0,25 | 1,41409+1 | 251,353 | 1,23324+1 | 254,188 | 1,07714+1 | 257,023 |
| 0,30 | 2,05029 | 252,719 | 1,78806 | 255,569 | 1,56174 | 258,419 |
| 0,35 | 2,81332 | 254,332 | 2,45350 | 257,201 | 2,14295 | 260,069 |
| 0,40 | 3,70890 | 256,194 | 3,23454 | 259,084 | 2,82513 | 261,973 |
| 0,45 | 4,74375 | 258,304 | 4,13704 | 261,218 | 3,61340 | 264,131 |
| | | | | | | |
| 0,50 | 5,92563+1 | 260,662 | 5,16776+1 | 263,602 | 4,51366+1 | 266,542 |
| 0,55 | 7,26338 | 263,269 | 6,33442 | 266,239 | 5,53265 | 269,208 |
| 0,60 | 8,76703 | 266,124 | 7,64576 | 269,126 | 6,67801 | 272,127 |
| 0,65 | 1,04478+2 | 269,227 | 9,11157 | 272,264 | 7,95829 | 275,300 |
| 0,70 | 1,23183 | 272,579 | 1,07428+2 | 275,653 | 9,38305 | 278,727 |
| 0,75 | 1,43923 | 276,178 | 1,25516 | 279,293 | 1,09629+2 | 283,408 |
| 0,80 | 1,66855 | 280,026 | 1,45514 | 283,184 | 1,27096 | 286,343 |
| 0,85 | 1,92146 | 284,122 | 1,67571 | 287,327 | 1,46361 | 290,531 |
| 0,90 | 2,19985 | 288,466 | 1,91850 | 291,720 | 1,67567 | 294,974 |
| 0,95 | 2,50577 | 293,059 | 2,18529 | 296,365 | 1,90869 | 299,670 |
| | | | | | | |
| 1,00 | 2,84146+2 | 297,900 | 2,47805+2 | 301,260 | 2,16440+2 | 304,620 |
| 1,05 | 3,20844 | 302,989 | 2,79809 | 306,407 | 2,44393 | 309,824 |
| 1,10 | 3,60493 | 308,326 | 3,14386 | 311,804 | 2,74594 | 315,281 |
| 1,15 | 4,02891 | 313,911 | 3,51362 | 317,451 | 3,06889 | 320,989 |
| 1,20 | 4,47893 | 319,743 | 3,90609 | 323,347 | 3,41169 | 326,950 |
| 1,25 | 4,95390 | 325,820 | 4,32032 | 329,491 | 3,77349 | 333,161 |
| 1,30 | 5,45300 | 332,143 | 4,75559 | 335,884 | 4,15368 | 339,621 |
| 1,35 | 5,97559 | 338,711 | 5,21135 | 342,524 | 4,55179 | 346,336 |
| 1,40 | 6,52120 | 345,524 | 5,68720 | 349,411 | 4,96740 | 353,298 |
| 1,45 | 7,08941 | 352,580 | 6,18275 | 356,545 | 5,40024 | 360,508 |
| | | | | | | |
| 1,50 | 7,67991+2 | 359,879 | 6,69775+2 | 363,924 | 5,85007+2 | 367,967 |
| 1,55 | 8,29245 | 367,421 | 7,23197 | 371,548 | 6,31669 | 375,673 |
| 1,60 | 8,92682 | 375,205 | 7,78523 | 379,416 | 6,79995 | 383,626 |
| 1,65 | 9,58286 | 383,229 | 8,35739 | 387,527 | 7,29971 | 391,823 |
| 1,70 | 1,02604+3 | 391,493 | 8,94832 | 395,880 | 7,81588 | 400,265 |
| 1,75 | 1,08594 | 399,995 | 9,55793 | 404,474 | 8,34836 | 408,950 |
| 1,80 | 1,16797 | 408,735 | 1,01861+3 | 413,307 | 8,89708 | 417,877 |
| 1,85 | 1,24212 | 417,711 | 1,08329 | 422,379 | 9,46199 | 427,044 |
| 1,90 | 1,31839 | 426,921 | 1,14981 | 431,687 | 1,00430+3 | 436,449 |
| 1,95 | 1,39678 | 436,365 | 1,21817 | 441,231 | 1,06402 | 446,093 |

М от 2,00 до 3,95

| М | H=3000 м | | H=4000 м | | H=4500 м | |
|------|---------------|--------------|---------------|--------------|---------------|--------------|
| | ρ_A , Па | $T_{ст}$, К | ρ_A , Па | $T_{ст}$, К | ρ_A , Па | $T_{ст}$, К |
| 2,00 | 1,47727+3 | 446,041 | 1,28637+3 | 451,008 | 1,12534+3 | 455,972 |
| 2,05 | 1,55986 | 455,946 | 1,36041 | 461,018 | 1,18826 | 466,085 |
| 2,10 | 1,64456 | 466,081 | 1,43428 | 471,258 | 1,25279 | 476,430 |
| 2,15 | 1,73135 | 476,441 | 1,50998 | 481,726 | 1,31891 | 487,006 |
| 2,20 | 1,82025 | 487,027 | 1,58751 | 492,421 | 1,38664 | 497,809 |
| 2,25 | 1,91124 | 497,835 | 1,66687 | 503,340 | 1,45596 | 508,840 |
| 2,30 | 2,00432 | 508,864 | 1,74806 | 514,482 | 1,52688 | 520,094 |
| 3,35 | 2,09950 | 520,112 | 1,83108 | 525,845 | 1,59940 | 531,570 |
| 2,40 | 2,19678 | 531,577 | 1,91592 | 537,425 | 1,67351 | 543,267 |
| 2,45 | 2,29615 | 543,256 | 2,00259 | 549,222 | 1,74922 | 555,181 |
| | | | | | | |
| 2,50 | 2,39761+3 | 555,148 | 2,09109+3 | 561,233 | 1,82652+3 | 567,311 |
| 2,55 | 2,50117 | 567,250 | 2,18141 | 573,456 | 1,90543 | 579,654 |
| 2,60 | 2,60683 | 579,560 | 2,27357 | 585,889 | 1,98592 | 592,209 |
| 2,65 | 2,71458 | 592,076 | 2,36755 | 598,529 | 2,06802 | 604,972 |
| 2,70 | 2,82443 | 604,796 | 2,46336 | 611,374 | 2,15172 | 617,942 |
| 2,75 | 2,93637 | 617,718 | 2,56100 | 624,422 | 2,23701 | 631,117 |
| 2,80 | 3,05042 | 630,839 | 2,66047 | 637,672 | 2,32391 | 644,495 |
| 2,85 | 3,16656 | 644,158 | 2,76178 | 651,121 | 2,41240 | 658,073 |
| 2,90 | 3,28480 | 657,673 | 2,86491 | 664,767 | 2,50250 | 671,849 |
| 2,95 | 3,40515 | 671,381 | 2,96988 | 678,608 | 2,59419 | 685,823 |
| | | | | | | |
| 3,00 | 3,52760+3 | 685,281 | 3,07669+3 | 692,642 | 2,68749+3 | 699,991 |
| 3,05 | 3,65215 | 699,372 | 3,18532 | 706,868 | 2,78239 | 714,351 |
| 3,10 | 3,77880 | 713,650 | 3,29580 | 721,283 | 2,87890 | 728,904 |
| 3,15 | 3,90756 | 728,115 | 3,40811 | 735,886 | 2,97701 | 743,645 |
| 3,20 | 4,03843 | 742,764 | 3,52225 | 750,676 | 3,07672 | 758,575 |
| 3,25 | 4,17140 | 757,598 | 3,63824 | 765,651 | 3,17804 | 773,691 |
| 3,30 | 4,30648 | 772,613 | 3,75606 | 780,809 | 3,28096 | 788,992 |
| 3,35 | 4,44367 | 787,808 | 3,87572 | 796,149 | 3,38550 | 804,476 |
| 3,40 | 4,58297 | 803,183 | 3,99722 | 811,670 | 3,49164 | 820,143 |
| 3,45 | 4,72437 | 818,735 | 4,12056 | 827,370 | 3,59938 | 835,991 |
| | | | | | | |
| 3,50 | 4,86789+3 | 834,464 | 4,24575+3 | 843,249 | 3,70874+3 | 852,018 |
| 3,55 | 5,01352 | 850,369 | 4,37277 | 859,304 | 3,81970 | 868,224 |
| 3,60 | 5,16126 | 866,447 | 4,50164 | 875,536 | 3,93227 | 884,608 |
| 3,65 | 5,31112 | 882,700 | 4,63235 | 891,942 | 4,04646 | 901,169 |
| 3,70 | 5,46309 | 899,124 | 4,76490 | 908,523 | 4,16225 | 917,904 |
| 3,75 | 5,61717 | 915,720 | 4,89930 | 925,276 | 4,27966 | 934,815 |
| 3,80 | 5,77337 | 932,487 | 5,03554 | 942,202 | 4,39867 | 951,899 |
| 3,85 | 5,93168 | 949,423 | 5,17363 | 959,298 | 4,51930 | 969,156 |
| 3,90 | 6,09211 | 966,528 | 5,31356 | 976,565 | 4,64154 | 986,585 |
| 3,95 | 6,25466 | 983,800 | 5,45534 | 994,002 | 4,76539 | 1004,19 |

Продолжение

М от 4,00 до 6,00

| М | H=3000 м | | H=4000 м | | H=4500 м | |
|------|----------------------|------------------|----------------------|------------------|----------------------|------------------|
| | ρ_{Σ} , Па | T_{Σ} , К | ρ_{Σ} , Па | T_{Σ} , К | ρ_{Σ} , Па | T_{Σ} , К |
| 4,00 | 6,41932+3 | 1001,24 | 5,59897+3 | 1011,61 | 4,89086+3 | 1021,96 |
| 4,05 | 6,58611 | 1018,85 | 5,74444 | 1029,38 | 5,01794 | 1039,89 |
| 4,10 | 6,75501 | 1036,62 | 5,89176 | 1047,32 | 5,14664 | 1058,00 |
| 4,15 | 6,92603 | 1054,55 | 6,04094 | 1065,42 | 5,27695 | 1076,28 |
| 4,20 | 7,09918 | 1072,65 | 6,19196 | 1083,69 | 5,40888 | 1094,72 |
| 4,25 | 7,27444 | 1090,91 | 6,34484 | 1102,13 | 5,54243 | 1113,33 |
| 4,30 | 7,45183 | 1109,34 | 6,49957 | 1120,73 | 5,67760 | 1132,10 |
| 4,35 | 7,63135 | 1127,92 | 6,65615 | 1139,49 | 5,81438 | 1151,03 |
| 4,40 | 7,81299 | 1146,67 | 6,81459 | 1158,41 | 5,95279 | 1170,13 |
| 4,45 | 7,99676 | 1165,57 | 6,97488 | 1177,49 | 6,09282 | 1189,39 |
| 4,50 | 8,18267+3 | 1184,63 | 7,13704+3 | 1196,73 | 6,23448+3 | 1208,81 |
| 4,55 | 8,37070 | 1203,85 | 7,30105 | 1216,13 | 6,37776 | 1228,39 |
| 4,60 | 8,56087 | 1223,23 | 7,46693 | 1235,69 | 6,52267 | 1248,13 |
| 4,65 | 8,75317 | 1242,75 | 7,63467 | 1255,40 | 6,66920 | 1268,03 |
| 4,70 | 8,94761 | 1262,44 | 7,80427 | 1275,27 | 6,81737 | 1288,08 |
| 4,75 | 9,14419 | 1282,27 | 7,97575 | 1295,29 | 6,96717 | 1308,28 |
| 4,80 | 9,34291 | 1302,26 | 8,14909 | 1315,46 | 7,11860 | 1328,64 |
| 4,85 | 9,54378 | 1322,39 | 8,32431 | 1335,79 | 7,27168 | 1349,15 |
| 4,90 | 9,74680 | 1342,68 | 8,50140 | 1356,26 | 7,42639 | 1369,81 |
| 4,95 | 9,95197 | 1363,11 | 8,68077 | 1376,88 | 7,58274 | 1390,62 |
| 5,00 | 1,01593+4 | 1383,68 | 8,86122+3 | 1397,64 | 7,74074+3 | 1411,57 |
| 5,05 | 1,03688 | 1404,40 | 9,04396 | 1418,55 | 7,90039 | 1432,67 |
| 5,10 | 1,05804 | 1425,26 | 9,22858 | 1439,60 | 8,06168 | 1453,91 |
| 5,15 | 1,07942 | 1446,26 | 9,41509 | 1460,79 | 8,22463 | 1475,29 |
| 5,20 | 1,10102 | 1467,40 | 9,60350 | 1482,12 | 8,38923 | 1496,81 |
| 5,25 | 1,12284 | 1488,68 | 9,79380 | 1503,59 | 8,55549 | 1518,46 |
| 5,30 | 1,14487 | 1510,09 | 9,98600 | 1525,19 | 8,72341 | 1540,25 |
| 5,35 | 1,16712 | 1531,63 | 1,01891+4 | 1546,92 | 8,89299 | 1562,17 |
| 5,40 | 1,18959 | 1553,30 | 1,03761 | 1568,78 | 9,06423 | 1584,22 |
| 5,45 | 1,21228 | 1575,10 | 1,05740 | 1590,77 | 9,23714 | 1606,39 |
| 5,50 | 1,23518+4 | 1597,02 | 1,07738+4 | 1612,88 | 9,41172+3 | 1628,69 |
| 5,55 | 1,25831 | 1619,06 | 1,09756 | 1635,11 | 9,58797 | 1651,10 |
| 5,60 | 1,28165 | 1641,22 | 1,11792 | 1657,45 | 9,76589 | 1673,62 |
| 5,65 | 1,30522 | 1663,50 | 1,13848 | 1679,91 | 9,94547 | 1696,26 |
| 5,70 | 1,32900 | 1685,88 | 1,15923 | 1702,47 | 1,01267+4 | 1718,99 |
| 5,75 | 1,35300 | 1708,37 | 1,18016 | 1725,14 | 1,03097 | 1741,83 |
| 5,80 | 1,37723 | 1730,96 | 1,20129 | 1747,90 | 1,04942 | 1764,76 |
| 5,85 | 1,40167 | 1753,65 | 1,22261 | 1770,75 | 1,06805 | 1787,77 |
| 5,90 | 1,42633 | 1776,43 | 1,24413 | 1793,69 | 1,08684 | 1810,86 |
| 5,95 | 1,45121 | 1799,29 | 1,26583 | 1816,71 | 1,10580 | 1834,02 |
| 6,00 | 1,47631+4 | 1822,23 | 1,28772+4 | 1839,79 | 1,12492+4 | 1857,24 |

М от 0,05 до 1,95

| М | H=4200 м | | H=4300 м | | H=4400 м | |
|------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|
| | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К | $p_{\text{ст}}$, Па | $T_{\text{ст}}$, К |
| 0,05 | 3,71282—1 | 256,778 | 3,25242—1 | 259,580 | 2,85315—1 | 262,381 |
| 0,10 | 1,48791+0 | 257,163 | 1,30341+0 | 259,969 | 1,14340+0 | 262,774 |
| 0,15 | 3,35828 | 257,805 | 2,94184 | 260,618 | 2,58070 | 263,430 |
| 0,20 | 5,99641 | 258,703 | 5,25283 | 261,526 | 4,60800 | 264,348 |
| 0,25 | 9,42210 | 259,858 | 8,25372 | 262,693 | 7,24051 | 265,528 |
| 0,30 | 1,36811+1 | 261,270 | 1,19670+1 | 264,120 | 1,04980+1 | 266,970 |
| 0,35 | 1,87451 | 262,938 | 1,64206 | 265,807 | 1,44049 | 268,675 |
| 0,40 | 2,47124 | 264,863 | 2,16479 | 267,752 | 1,89905 | 270,642 |
| 0,45 | 3,16076 | 267,044 | 2,76881 | 269,958 | 2,42891 | 272,871 |
| 0,50 | 3,94824+1 | 269,483 | 3,45864+1 | 272,423 | 3,03406+1 | 275,363 |
| 0,55 | 4,83959 | 272,177 | 4,28946 | 275,147 | 3,71903 | 278,116 |
| 0,60 | 5,84147 | 275,129 | 5,11710 | 278,130 | 4,48893 | 281,132 |
| 0,65 | 6,96137 | 278,337 | 6,09813 | 281,374 | 5,34953 | 284,410 |
| 0,70 | 8,20766 | 281,802 | 7,18587 | 284,876 | 6,30725 | 287,951 |
| 0,75 | 9,58961 | 285,523 | 8,40046 | 288,638 | 7,36923 | 291,753 |
| 0,80 | 1,11175+2 | 289,501 | 9,73889 | 292,660 | 8,54336 | 295,818 |
| 0,85 | 1,28027 | 293,736 | 1,12151+2 | 296,941 | 9,83835 | 300,145 |
| 0,90 | 1,46376 | 298,227 | 1,28400 | 301,481 | 1,12638+2 | 304,735 |
| 0,95 | 1,66959 | 302,975 | 1,46256 | 306,281 | 1,28302 | 309,586 |
| 1,00 | 1,89327+2 | 307,980 | 1,65849+2 | 311,340 | 1,45490+2 | 314,699 |
| 1,05 | 2,13778 | 313,241 | 1,87269 | 316,657 | 1,64280 | 320,073 |
| 1,10 | 2,40196 | 318,757 | 2,10411 | 322,232 | 1,84581 | 325,707 |
| 1,15 | 2,68446 | 324,527 | 2,35158 | 328,064 | 2,06291 | 331,601 |
| 1,20 | 2,98432 | 330,562 | 2,61426 | 334,153 | 2,29335 | 337,754 |
| 1,25 | 3,30081 | 336,831 | 2,89151 | 340,499 | 2,53656 | 344,166 |
| 1,30 | 3,63338 | 343,362 | 3,18285 | 347,100 | 2,79216 | 350,836 |
| 1,35 | 3,98162 | 350,147 | 3,48792 | 353,956 | 3,05978 | 357,764 |
| 1,40 | 4,34519 | 357,183 | 3,80641 | 361,067 | 3,33919 | 364,949 |
| 1,45 | 4,72382 | 364,471 | 4,13811 | 368,431 | 3,63017 | 372,391 |
| 1,50 | 5,11732+2 | 372,009 | 4,48282+2 | 376,049 | 3,93258+2 | 380,087 |
| 1,55 | 5,52550 | 379,797 | 4,84041 | 383,918 | 4,24629 | 388,038 |
| 1,60 | 5,94824 | 387,833 | 5,21074 | 392,039 | 4,57117 | 396,242 |
| 1,65 | 6,38542 | 396,117 | 5,59373 | 400,409 | 4,90716 | 404,699 |
| 1,70 | 6,83695 | 404,648 | 5,98929 | 409,028 | 5,25418 | 413,406 |
| 1,75 | 7,30276 | 413,424 | 6,39735 | 417,895 | 5,61218 | 422,363 |
| 1,80 | 7,78277 | 422,443 | 6,81787 | 427,007 | 5,98109 | 431,568 |
| 1,85 | 8,27694 | 431,706 | 7,25079 | 436,364 | 6,36090 | 441,020 |
| 1,90 | 8,78524 | 441,209 | 7,69608 | 445,965 | 6,75155 | 450,717 |
| 1,95 | 9,30761 | 450,961 | 8,15372 | 455,806 | 7,15304 | 460,657 |

Продолжение

М от 2,00 до 3,95

| М | H=4200 м | | H=4300 м | | H=4400 м | |
|------|---------------------|-----------|---------------------|-----------|---------------------|-----------|
| | $p_{\text{д}}$, Па | T_0 , К | $p_{\text{д}}$, Па | T_0 , К | $p_{\text{д}}$, Па | T_0 , К |
| 2,00 | 9,84404+2 | 460,932 | 8,62366+2 | 465,887 | 7,56533+2 | 470,839 |
| 2,05 | 1,03945+3 | 471,148 | 9,10591 | 476,206 | 7,98841 | 481,261 |
| 2,10 | 1,09590 | 481,598 | 9,60043 | 486,761 | 8,42226 | 491,920 |
| 2,15 | 1,15375 | 492,280 | 1,01072+3 | 497,550 | 8,86687 | 502,815 |
| 2,20 | 1,21299 | 503,193 | 1,06263 | 508,571 | 9,32225 | 513,943 |
| 2,25 | 1,27364 | 514,333 | 1,11576 | 519,821 | 9,78837 | 525,303 |
| 2,30 | 1,33568 | 525,700 | 1,17011 | 531,299 | 1,02652+3 | 536,893 |
| 2,35 | 1,39912 | 537,290 | 1,22569 | 543,003 | 1,07528 | 548,709 |
| 2,40 | 1,46395 | 549,102 | 1,28249 | 554,929 | 1,12512 | 560,750 |
| 2,45 | 1,53019 | 561,133 | 1,34052 | 567,077 | 1,17603 | 573,014 |
| | | | | | | |
| 2,50 | 1,59782+3 | 573,381 | 1,39977+3 | 579,443 | 1,22801+3 | 585,498 |
| 2,55 | 1,66684 | 585,844 | 1,46024 | 592,026 | 1,28107 | 598,200 |
| 2,60 | 1,73727 | 598,520 | 1,52194 | 604,823 | 1,33520 | 611,117 |
| 2,65 | 1,80909 | 611,406 | 1,58487 | 617,832 | 1,39041 | 624,248 |
| 2,70 | 1,88231 | 624,501 | 1,64902 | 631,051 | 1,44689 | 637,591 |
| 2,75 | 1,95693 | 637,802 | 1,71439 | 644,477 | 1,50405 | 651,142 |
| 2,80 | 2,03295 | 651,307 | 1,78099 | 658,109 | 1,56249 | 664,901 |
| 2,85 | 2,11037 | 665,014 | 1,84882 | 671,944 | 1,62200 | 678,864 |
| 2,90 | 2,18919 | 678,921 | 1,91788 | 685,981 | 1,68258 | 693,031 |
| 2,95 | 2,26941 | 693,026 | 1,98816 | 700,218 | 1,74435 | 707,398 |
| | | | | | | |
| 3,00 | 2,35104+3 | 707,327 | 2,05968+3 | 714,652 | 1,80699+3 | 721,963 |
| 3,05 | 2,43405 | 721,823 | 2,13242 | 729,282 | 1,87081 | 736,730 |
| 3,10 | 2,51849 | 736,511 | 2,20639 | 744,107 | 1,93571 | 751,690 |
| 3,15 | 2,60432 | 751,391 | 2,28159 | 759,124 | 2,00169 | 766,844 |
| 3,20 | 2,69156 | 766,460 | 2,35802 | 774,332 | 2,06875 | 782,190 |
| 3,25 | 2,78020 | 781,717 | 2,43568 | 789,723 | 2,13689 | 797,728 |
| 3,30 | 2,87025 | 797,160 | 2,51457 | 805,315 | 2,20610 | 813,456 |
| 3,35 | 2,96170 | 812,780 | 2,59469 | 821,087 | 2,27640 | 829,371 |
| 3,40 | 3,05455 | 828,601 | 2,67605 | 837,045 | 2,34778 | 845,474 |
| 3,45 | 3,14882 | 844,595 | 2,75864 | 853,186 | 2,42024 | 861,762 |
| | | | | | | |
| 3,50 | 3,24449+3 | 860,772 | 2,84246+3 | 869,511 | 2,49378+3 | 878,235 |
| 3,55 | 3,34157 | 877,129 | 2,92751 | 886,018 | 2,56841 | 894,893 |
| 3,60 | 3,44005 | 893,665 | 3,01380 | 902,706 | 2,64411 | 911,731 |
| 3,65 | 3,53995 | 910,379 | 3,10132 | 919,573 | 2,72090 | 928,751 |
| 3,70 | 3,64126 | 927,270 | 3,19008 | 936,619 | 2,79877 | 945,952 |
| 3,75 | 3,74397 | 944,337 | 3,28007 | 953,843 | 2,87773 | 963,333 |
| 3,80 | 3,84809 | 961,580 | 3,37129 | 971,244 | 2,95777 | 980,891 |
| 3,85 | 3,95363 | 978,997 | 3,46375 | 988,821 | 3,03889 | 998,628 |
| 3,90 | 4,06057 | 996,588 | 3,55745 | 1006,57 | 3,12110 | 1016,54 |
| 3,95 | 4,16892 | 1014,35 | 3,65238 | 1024,50 | 3,20439 | 1034,63 |

М от 4,00 до 6,00

Продолжение

| М | Н=4300 м | | Н=4300 м | | Н=4300 м | |
|------|---------------|--------------|---------------|--------------|---------------|--------------|
| | ρ_A , Па | $T_{ст}$, К | ρ_A , Па | $T_{ст}$, К | ρ_A , Па | $T_{ст}$, К |
| 4,00 | 4,27869+3 | 1032,29 | 3,74855+3 | 1042,60 | 3,28877+3 | 1052,89 |
| 4,05 | 4,38987 | 1050,39 | 3,84596 | 1060,87 | 3,37423 | 1071,33 |
| 4,10 | 4,50247 | 1068,67 | 3,94461 | 1079,31 | 3,46078 | 1089,94 |
| 4,15 | 4,61647 | 1087,11 | 4,04449 | 1097,93 | 3,54842 | 1108,72 |
| 4,20 | 4,73189 | 1105,72 | 4,14562 | 1116,71 | 3,63715 | 1127,68 |
| 4,25 | 4,84873 | 1124,50 | 4,24798 | 1135,66 | 3,72696 | 1146,80 |
| 4,30 | 4,96699 | 1143,45 | 4,35159 | 1154,78 | 3,81786 | 1166,09 |
| 4,35 | 5,08666 | 1162,56 | 4,45644 | 1174,07 | 3,90986 | 1185,55 |
| 4,40 | 5,20775 | 1181,84 | 4,56253 | 1193,52 | 4,00294 | 1205,18 |
| 4,45 | 5,33026 | 1201,27 | 4,66987 | 1213,13 | 4,09712 | 1224,97 |
| 4,50 | 5,45419+3 | 1220,87 | 4,77846+3 | 1232,91 | 4,19239+3 | 1244,92 |
| 4,55 | 5,57955 | 1240,63 | 4,88829 | 1252,85 | 4,28876 | 1265,04 |
| 4,60 | 5,70633 | 1260,55 | 4,99937 | 1272,95 | 4,38622 | 1285,32 |
| 4,65 | 5,83453 | 1280,63 | 5,11169 | 1293,21 | 4,48477 | 1305,76 |
| 4,70 | 5,96416 | 1300,86 | 5,22527 | 1313,62 | 4,58443 | 1326,36 |
| 4,75 | 6,09522 | 1321,25 | 5,34010 | 1334,20 | 4,68519 | 1347,11 |
| 4,80 | 6,22772 | 1341,79 | 5,45619 | 1354,92 | 4,78705 | 1368,02 |
| 4,85 | 6,36164 | 1362,49 | 5,57354 | 1375,80 | 4,89001 | 1389,09 |
| 4,90 | 6,49700 | 1383,33 | 5,69214 | 1396,83 | 4,99408 | 1410,30 |
| 4,95 | 6,63380 | 1404,33 | 5,81200 | 1418,01 | 5,09925 | 1431,67 |
| 5,00 | 6,77204+3 | 1425,47 | 5,93313+3 | 1439,34 | 5,20553+3 | 1453,18 |
| 5,05 | 6,91172 | 1446,76 | 6,05552 | 1460,81 | 5,31292 | 1474,84 |
| 5,10 | 7,05285 | 1468,18 | 6,17918 | 1482,43 | 5,42143 | 1496,64 |
| 5,15 | 7,19542 | 1489,75 | 6,30410 | 1504,18 | 5,53104 | 1518,58 |
| 5,20 | 7,33944 | 1511,46 | 6,43029 | 1526,08 | 5,64177 | 1540,66 |
| 5,25 | 7,48491 | 1533,30 | 6,55776 | 1548,10 | 5,75362 | 1562,87 |
| 5,30 | 7,63183 | 1555,28 | 6,68650 | 1570,26 | 5,86659 | 1585,21 |
| 5,35 | 7,78021 | 1577,38 | 6,81651 | 1592,55 | 5,98067 | 1607,68 |
| 5,40 | 7,93005 | 1599,62 | 6,94780 | 1614,97 | 6,09587 | 1630,27 |
| 5,45 | 8,08134 | 1621,97 | 7,08037 | 1637,50 | 6,21219 | 1652,98 |
| 5,50 | 8,23409+3 | 1644,45 | 7,21421+3 | 1660,16 | 6,32963+3 | 1675,81 |
| 5,55 | 8,38830 | 1667,04 | 7,34933 | 1682,92 | 6,44819 | 1698,74 |
| 5,60 | 8,54397 | 1689,74 | 7,48572 | 1705,79 | 6,56787 | 1721,78 |
| 5,65 | 8,70109 | 1712,54 | 7,62310 | 1728,76 | 6,68866 | 1744,91 |
| 5,70 | 8,85968 | 1735,45 | 7,76234 | 1751,83 | 6,81057 | 1768,12 |
| 5,75 | 9,01972 | 1758,44 | 7,90256 | 1774,98 | 6,93358 | 1791,42 |
| 5,80 | 9,18121 | 1781,53 | 8,04404 | 1798,21 | 7,05771 | 1814,78 |
| 5,85 | 9,34416 | 1804,69 | 8,18679 | 1821,51 | 7,18294 | 1838,21 |
| 5,90 | 9,50855 | 1827,92 | 8,33080 | 1844,86 | 7,30926 | 1861,68 |
| 5,95 | 9,67438 | 1851,21 | 8,47607 | 1868,27 | 7,43668 | 1885,19 |
| 6,00 | 9,84164+3 | 1874,55 | 8,62258+3 | 1891,71 | 7,56518+3 | 1908,71 |

Продолжение

М от 0,05 до 1,95

| М | H=4500 м | | H=4600 м | | H=4700 м | |
|------|----------------------------|---------------------------|----------------------------|---------------------------|----------------------------|---------------------------|
| | $p_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{ст}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 0,05 | 2,50640—1 | 265,183 | 2,20479—1 | 267,984 | 1,94205—1 | 270,785 |
| 0,10 | 1,00444+0 | 265,580 | 8,83570 | 268,386 | 7,78279 | 271,191 |
| 0,15 | 2,26706 | 266,243 | 1,99425+0 | 269,055 | 1,75661+0 | 271,848 |
| 0,20 | 4,04797 | 267,170 | 3,56085 | 269,993 | 3,13652 | 272,815 |
| 0,25 | 6,36053 | 268,363 | 5,59514 | 271,198 | 4,92839 | 274,033 |
| 0,30 | 9,22211 | 269,821 | 8,11236 | 272,671 | 7,14566 | 275,522 |
| 0,35 | 1,26542+1 | 271,544 | 1,11314+1 | 274,412 | 9,80495 | 277,281 |
| 0,40 | 1,66825 | 273,532 | 1,46750 | 276,421 | 1,29262+1 | 279,311 |
| 0,45 | 2,13372 | 275,785 | 1,87695 | 278,698 | 1,65329 | 281,611 |
| | | | | | | |
| 0,50 | 2,66532+1 | 278,303 | 2,34459+1 | 281,243 | 2,06520+1 | 284,183 |
| 0,55 | 3,26704 | 281,086 | 2,87390 | 284,055 | 2,53143 | 287,024 |
| 0,60 | 3,94337 | 284,134 | 3,46885 | 287,135 | 3,05548 | 290,137 |
| 0,65 | 4,69038 | 287,447 | 4,13388 | 290,483 | 3,64127 | 293,520 |
| 0,70 | 5,54070 | 291,025 | 4,87396 | 294,099 | 4,29316 | 297,174 |
| 0,75 | 6,47361 | 294,868 | 5,69461 | 297,983 | 5,01601 | 301,098 |
| 0,80 | 7,50504 | 298,976 | 6,60192 | 302,135 | 5,81521 | 305,293 |
| 0,85 | 8,64265 | 303,350 | 7,60253 | 306,554 | 6,69667 | 309,759 |
| 0,90 | 9,89484 | 307,988 | 8,70413 | 311,242 | 7,66691 | 314,494 |
| 0,95 | 1,12708+2 | 312,891 | 9,91456 | 316,196 | 8,73310 | 319,499 |
| | | | | | | |
| 1,00 | 1,27808+2 | 318,058 | 1,12428+2 | 321,416 | 9,90307+1 | 324,773 |
| 1,05 | 1,44315 | 323,488 | 1,25949 | 326,902 | 1,11821+2 | 330,315 |
| 1,10 | 1,62149 | 329,181 | 1,42637 | 332,654 | 1,25640 | 336,126 |
| 1,15 | 1,81220 | 335,136 | 1,59414 | 338,670 | 1,40418 | 342,204 |
| 1,20 | 2,01464 | 341,353 | 1,77221 | 344,952 | 1,56104 | 348,549 |
| 1,25 | 2,22830 | 347,832 | 1,96018 | 351,497 | 1,72662 | 355,161 |
| 1,30 | 2,45284 | 354,572 | 2,15770 | 358,306 | 1,90060 | 362,039 |
| 1,35 | 2,68794 | 361,571 | 2,36452 | 365,377 | 2,08278 | 369,181 |
| 1,40 | 2,93340 | 368,831 | 2,58045 | 372,710 | 2,27299 | 376,588 |
| 1,45 | 3,18904 | 376,348 | 2,80533 | 380,304 | 2,47108 | 384,259 |
| | | | | | | |
| 1,50 | 3,45470+2 | 384,124 | 3,03904+2 | 388,159 | 2,67695+2 | 392,192 |
| 1,55 | 3,73029 | 392,156 | 3,28148 | 396,272 | 2,89051 | 400,386 |
| 1,60 | 4,01571 | 400,444 | 3,53256 | 404,643 | 3,11169 | 408,841 |
| 1,65 | 4,31088 | 408,983 | 3,79223 | 413,271 | 3,34042 | 417,554 |
| 1,70 | 4,61574 | 417,782 | 4,06042 | 422,155 | 3,57667 | 426,525 |
| 1,75 | 4,93024 | 426,839 | 4,33709 | 431,292 | 3,82039 | 435,752 |
| 1,80 | 5,25435 | 436,126 | 4,62221 | 440,681 | 4,07155 | 445,233 |
| 1,85 | 5,58801 | 445,673 | 4,91575 | 450,322 | 4,33012 | 454,968 |
| 1,90 | 5,93122 | 455,466 | 5,21767 | 460,211 | 4,59609 | 464,953 |
| 1,95 | 6,28393 | 465,505 | 5,52797 | 470,348 | 4,86943 | 475,187 |

М от 2,00 до 3,95

| М | Н=4500 м | | Н=4500 м | | Н=4500 м | |
|------|------------------|--------------|------------------|--------------|------------------|--------------|
| | $\rho_{ст}$, Па | $T_{ст}$, К | $\rho_{ст}$, Па | $T_{ст}$, К | $\rho_{ст}$, Па | $T_{ст}$, К |
| 2,00 | 6,64614+2 | 475,787 | 5,84662+2 | 480,730 | 5,15013+2 | 485,669 |
| 2,05 | 7,01784 | 483,310 | 6,17361 | 491,356 | 5,43818 | 496,396 |
| 2,10 | 7,39899 | 497,074 | 6,50893 | 502,223 | 5,73357 | 507,367 |
| 2,15 | 7,78961 | 508,074 | 6,85258 | 513,329 | 6,03629 | 518,578 |
| 2,20 | 8,18968 | 519,310 | 7,20454 | 524,672 | 6,34634 | 530,028 |
| 2,25 | 8,59919 | 530,780 | 7,56481 | 536,250 | 6,66372 | 541,714 |
| 2,30 | 9,01815 | 542,480 | 7,93339 | 548,061 | 6,98841 | 553,635 |
| 2,35 | 9,44654 | 554,409 | 8,31028 | 560,102 | 7,32042 | 565,788 |
| 2,40 | 9,88438 | 566,564 | 8,69547 | 572,371 | 7,65975 | 578,170 |
| 2,45 | 1,03316+3 | 578,943 | 9,08896 | 584,865 | 8,00640 | 590,780 |
| 2,50 | 1,07884+3 | 591,544 | 9,49077+2 | 597,583 | 8,36037+2 | 603,614 |
| 2,55 | 1,12545 | 604,365 | 9,90088 | 610,522 | 8,72165 | 616,671 |
| 2,60 | 1,17301 | 617,403 | 1,03193+3 | 623,680 | 9,09026 | 629,948 |
| 2,65 | 1,22152 | 630,656 | 1,07460 | 637,054 | 9,46619 | 643,443 |
| 2,70 | 1,27096 | 644,121 | 1,11811 | 650,642 | 9,84944 | 657,154 |
| 2,75 | 1,32135 | 657,797 | 1,16244 | 664,443 | 1,02400+3 | 671,079 |
| 2,80 | 1,37270 | 671,682 | 1,20761 | 678,454 | 1,06379 | 685,215 |
| 2,85 | 1,42498 | 685,774 | 1,25361 | 692,672 | 1,10432 | 699,561 |
| 2,90 | 1,47822 | 700,069 | 1,30044 | 707,097 | 1,14558 | 714,114 |
| 2,95 | 1,53239 | 714,568 | 1,34811 | 721,726 | 1,18757 | 728,873 |
| 3,00 | 1,58752+3 | 729,267 | 1,39661+3 | 736,557 | 1,23029+3 | 743,835 |
| 3,05 | 1,64359 | 744,165 | 1,44594 | 751,588 | 1,27375 | 759,000 |
| 3,10 | 1,70061 | 759,260 | 1,49611 | 756,818 | 1,31795 | 774,365 |
| 3,15 | 1,75858 | 774,551 | 1,54711 | 782,246 | 1,36288 | 789,928 |
| 3,20 | 1,81750 | 790,035 | 1,59894 | 797,889 | 1,40854 | 805,689 |
| 3,25 | 1,87736 | 805,714 | 1,65161 | 813,686 | 1,45494 | 821,646 |
| 3,30 | 1,93818 | 821,583 | 1,70512 | 829,647 | 1,50208 | 837,797 |
| 3,35 | 1,99994 | 837,642 | 1,75946 | 845,898 | 1,54995 | 854,141 |
| 3,40 | 2,06266 | 853,880 | 1,81463 | 862,290 | 1,59856 | 870,677 |
| 3,45 | 2,12632 | 870,324 | 1,87061 | 878,871 | 1,64790 | 887,401 |
| 3,50 | 2,19093+3 | 886,945 | 1,92749+3 | 895,640 | 1,69798+3 | 904,320 |
| 3,55 | 2,25650 | 903,751 | 1,98517 | 912,595 | 1,74889 | 921,425 |
| 3,60 | 2,32301 | 920,741 | 2,04369 | 929,735 | 1,80035 | 938,717 |
| 3,65 | 2,39048 | 937,914 | 2,10305 | 947,062 | 1,85264 | 956,195 |
| 3,70 | 2,45890 | 955,270 | 2,16324 | 964,572 | 1,90567 | 973,858 |
| 3,75 | 2,52827 | 972,806 | 2,22427 | 982,264 | 1,95944 | 991,706 |
| 3,80 | 2,59850 | 990,522 | 2,28614 | 1000,14 | 2,01394 | 1009,74 |
| 3,85 | 2,66963 | 1008,42 | 2,34885 | 1018,19 | 2,06918 | 1027,95 |
| 3,90 | 2,74209 | 1026,49 | 2,41239 | 1036,43 | 2,12516 | 1046,34 |
| 3,95 | 2,81527 | 1044,74 | 2,47678 | 1054,84 | 2,18188 | 1064,92 |

Продолжение

M от 4,00 до 6,00

| M | H=4500 м | | H=4600 м | | H=4700 м | |
|------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 4,00 | 2,88940+3 | 1063,17 | 2,54200+3 | 1073,43 | 2,23934+3 | 1083,67 |
| 4,05 | 2,96449 | 1081,77 | 2,60806 | 1092,20 | 2,29754 | 1102,61 |
| 4,10 | 3,04054 | 1100,55 | 2,67497 | 1111,14 | 2,35648 | 1121,72 |
| 4,15 | 3,11753 | 1119,50 | 2,74271 | 1130,26 | 2,41616 | 1141,00 |
| 4,20 | 3,19549 | 1138,62 | 2,81129 | 1149,55 | 2,47658 | 1160,46 |
| 4,25 | 3,27440 | 1157,92 | 2,88072 | 1169,02 | 2,53775 | 1180,10 |
| 4,30 | 3,35427 | 1177,38 | 2,95099 | 1188,65 | 2,59965 | 1199,91 |
| 4,35 | 3,43510 | 1197,02 | 3,02210 | 1208,46 | 2,66230 | 1219,89 |
| 4,40 | 3,51688 | 1216,82 | 3,09406 | 1228,44 | 2,72569 | 1240,04 |
| 4,45 | 3,59963 | 1236,78 | 3,16784 | 1248,58 | 2,78983 | 1260,36 |
| 4,50 | 3,68331+3 | 1256,92 | 3,24351+3 | 1268,89 | 2,85472+3 | 1280,84 |
| 4,55 | 3,76801 | 1277,22 | 3,31501 | 1289,37 | 2,92034 | 1301,49 |
| 4,60 | 3,85364 | 1297,68 | 3,39034 | 1310,00 | 2,98672 | 1322,31 |
| 4,65 | 3,94023 | 1318,29 | 3,46853 | 1330,80 | 3,05385 | 1343,28 |
| 4,70 | 4,02780 | 1339,07 | 3,54858 | 1351,76 | 3,12172 | 1364,42 |
| 4,75 | 4,11633 | 1360,01 | 3,62147 | 1372,88 | 3,19035 | 1385,72 |
| 4,80 | 4,20583 | 1381,10 | 3,70022 | 1394,15 | 3,25973 | 1407,18 |
| 4,85 | 4,29630 | 1402,35 | 3,77982 | 1415,58 | 3,32986 | 1428,79 |
| 4,90 | 4,38774 | 1423,75 | 3,86027 | 1437,16 | 3,40074 | 1450,55 |
| 4,95 | 4,48015 | 1445,29 | 3,94158 | 1458,89 | 3,47238 | 1472,46 |
| 5,00 | 4,57354+3 | 1466,99 | 4,02375+3 | 1480,77 | 3,54477+3 | 1494,52 |
| 5,05 | 4,66790 | 1488,83 | 4,10678 | 1502,79 | 3,61792 | 1516,72 |
| 5,10 | 4,76324 | 1510,81 | 4,19067 | 1524,96 | 3,69183 | 1539,07 |
| 5,15 | 4,85956 | 1532,94 | 4,27542 | 1547,26 | 3,76650 | 1561,55 |
| 5,20 | 4,95683 | 1555,20 | 4,36103 | 1569,70 | 3,84193 | 1584,17 |
| 5,25 | 5,05513 | 1577,59 | 4,44750 | 1592,27 | 3,91811 | 1606,91 |
| 5,30 | 5,15439 | 1600,11 | 4,53484 | 1614,97 | 3,99506 | 1629,78 |
| 5,35 | 5,25464 | 1622,76 | 4,62304 | 1637,79 | 4,07277 | 1652,77 |
| 5,40 | 5,35586 | 1645,53 | 4,71210 | 1660,73 | 4,15123 | 1675,88 |
| 5,45 | 5,45807 | 1668,41 | 4,80203 | 1683,78 | 4,23046 | 1699,09 |
| 5,50 | 5,56126+3 | 1691,40 | 4,89282+3 | 1706,93 | 4,31044+3 | 1722,39 |
| 5,55 | 5,66543 | 1714,50 | 4,98447 | 1730,18 | 4,39118 | 1745,79 |
| 5,60 | 5,77058 | 1737,69 | 5,07698 | 1753,52 | 4,47267 | 1769,27 |
| 5,65 | 5,87670 | 1760,97 | 5,17034 | 1776,95 | 4,55491 | 1792,82 |
| 5,70 | 5,98380 | 1784,33 | 5,26456 | 1800,44 | 4,63790 | 1816,43 |
| 5,75 | 6,09188 | 1807,76 | 5,35963 | 1823,99 | 4,72164 | 1840,09 |
| 5,80 | 6,20092 | 1831,25 | 5,45554 | 1847,58 | 4,80611 | 1863,78 |
| 5,85 | 6,31092 | 1854,78 | 5,55230 | 1871,21 | 4,89132 | 1887,48 |
| 5,90 | 6,42188 | 1878,35 | 5,64968 | 1894,88 | 4,97725 | 1911,19 |
| 5,95 | 6,53380 | 1901,91 | 5,74830 | 1918,51 | 5,06391 | 1934,88 |
| 6,00 | 6,64665+3 | 1925,53 | 5,84754+3 | 1942,15 | 5,15129+3 | 1958,54 |

М от 0,05 до 1,95

Продолжение

| М | H=4800 м | | H=4900 м | | H=5000 м | |
|------|------------|-----------|------------|-----------|------------|-----------|
| | p_A , Па | T_A , К | p_A , Па | T_A , К | p_A , Па | T_A , К |
| 0,05 | 1,71176-1 | 270,785 | 1,50877-1 | 270,785 | 1,32985-1 | 270,785 |
| 0,10 | 6,85987 | 271,191 | 6,04640 | 271,191 | 5,32939 | 271,191 |
| 0,15 | 1,54830+0 | 271,868 | 1,36469+0 | 271,868 | 1,20286+0 | 271,868 |
| 0,20 | 2,76458 | 272,815 | 2,43674 | 272,815 | 2,14778 | 272,815 |
| 0,25 | 4,34396 | 274,033 | 3,82883 | 274,033 | 3,37479 | 274,033 |
| 0,30 | 6,29829 | 275,522 | 5,55141 | 275,522 | 4,89310 | 275,522 |
| 0,35 | 8,64223 | 277,281 | 7,61739 | 277,281 | 6,71409 | 277,281 |
| 0,40 | 1,13934+1 | 279,311 | 1,00423+1 | 279,311 | 8,85143 | 279,311 |
| 0,45 | 1,45723 | 281,611 | 1,28143 | 281,611 | 1,13211+1 | 281,611 |
| 0,50 | 1,82029+1 | 284,183 | 1,60444+1 | 284,183 | 1,41417+1 | 284,183 |
| 0,55 | 2,23124 | 287,024 | 1,96665 | 287,024 | 1,73344 | 287,024 |
| 0,60 | 2,69315 | 290,137 | 2,37378 | 290,137 | 2,09229 | 290,137 |
| 0,65 | 3,20947 | 293,520 | 2,82887 | 293,520 | 2,49341 | 293,520 |
| 0,70 | 3,78405 | 297,174 | 3,33532 | 297,174 | 2,93981 | 297,174 |
| 0,75 | 4,42119 | 301,098 | 3,89690 | 301,098 | 3,43479 | 301,098 |
| 0,80 | 5,12561 | 305,293 | 4,51779 | 305,293 | 3,98205 | 305,293 |
| 0,85 | 5,90255 | 309,759 | 5,20260 | 309,759 | 4,58565 | 309,759 |
| 0,90 | 6,75773 | 314,494 | 5,95636 | 314,494 | 5,25003 | 314,494 |
| 0,95 | 7,69748 | 319,499 | 6,78168 | 319,499 | 5,98012 | 319,499 |
| 1,00 | 8,72871+1 | 324,773 | 7,69362+1 | 324,773 | 6,78128+1 | 324,773 |
| 1,05 | 5,85608 | 330,315 | 8,68730 | 330,315 | 7,65712 | 330,315 |
| 1,10 | 1,10741+2 | 336,126 | 9,76088 | 336,126 | 8,60340 | 336,126 |
| 1,15 | 1,23767 | 342,201 | 1,09090+2 | 342,201 | 9,61534 | 342,201 |
| 1,20 | 1,37593 | 348,549 | 1,21276 | 348,549 | 1,06895+2 | 348,549 |
| 1,25 | 1,52187 | 355,161 | 1,34140 | 355,161 | 1,18233 | 355,161 |
| 1,30 | 1,67522 | 362,039 | 1,47656 | 362,039 | 1,30147 | 362,039 |
| 1,35 | 1,83350 | 369,181 | 1,61810 | 369,181 | 1,42622 | 369,181 |
| 1,40 | 2,00345 | 376,588 | 1,76587 | 376,588 | 1,55647 | 376,588 |
| 1,45 | 2,17805 | 384,259 | 1,91977 | 384,259 | 1,69211 | 384,259 |
| 1,50 | 2,35951+2 | 392,192 | 2,07970+2 | 392,192 | 1,83308+2 | 392,192 |
| 1,55 | 2,54774 | 400,386 | 2,24562 | 400,386 | 1,97932 | 400,386 |
| 1,60 | 2,74269 | 408,841 | 2,41745 | 408,841 | 2,13077 | 408,841 |
| 1,65 | 2,94430 | 417,554 | 2,59515 | 417,554 | 2,28740 | 417,554 |
| 1,70 | 3,15253 | 426,525 | 2,77869 | 426,525 | 2,44918 | 426,525 |
| 1,75 | 3,36735 | 435,752 | 2,96803 | 435,752 | 2,61607 | 435,752 |
| 1,80 | 3,58872 | 445,233 | 3,16315 | 445,233 | 2,78805 | 445,233 |
| 1,85 | 3,81663 | 454,968 | 3,36404 | 454,968 | 2,96512 | 454,968 |
| 1,90 | 4,05106 | 464,953 | 3,57067 | 464,953 | 3,14724 | 464,953 |
| 1,95 | 4,29199 | 475,187 | 3,78302 | 475,187 | 3,33442 | 475,187 |

Продолжение

M от 2,00 до 3,95

| M | H=4000 м | | H=4500 м | | H=5000 м | |
|------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ | $p_{\text{д}}, \text{Па}$ | $T_{\text{ст}}, \text{К}$ |
| 2,00 | 4,53940+2 | 485,669 | 4,00110+2 | 483,669 | 3,52663+2 | 485,669 |
| 2,05 | 4,79329 | 496,396 | 4,22488 | 496,396 | 3,72388 | 496,396 |
| 2,10 | 5,05366 | 507,367 | 4,45437 | 507,367 | 3,92615 | 507,367 |
| 2,15 | 5,32048 | 518,578 | 4,68955 | 518,578 | 4,13345 | 518,578 |
| 2,20 | 5,59376 | 530,028 | 4,93043 | 530,028 | 4,34576 | 530,028 |
| 2,25 | 5,87350 | 541,714 | 5,17699 | 541,714 | 4,56308 | 541,714 |
| 2,30 | 6,15969 | 553,635 | 5,42925 | 553,635 | 4,78542 | 553,635 |
| 2,35 | 6,45233 | 565,788 | 5,68718 | 565,788 | 5,01277 | 565,788 |
| 2,40 | 6,75142 | 578,170 | 5,95081 | 578,170 | 5,24513 | 578,170 |
| 2,45 | 7,05696 | 590,780 | 6,22011 | 590,780 | 5,48251 | 590,780 |
| | | | | | | |
| 2,50 | 7,36895+2 | 603,614 | 6,49511+2 | 603,614 | 5,72489+2 | 603,614 |
| 2,55 | 7,68739 | 616,671 | 6,77579 | 616,671 | 5,97229 | 616,671 |
| 2,60 | 8,01229 | 629,948 | 7,06215 | 629,948 | 6,22469 | 629,948 |
| 2,65 | 8,34364 | 643,443 | 7,35421 | 643,443 | 6,48212 | 643,443 |
| 2,70 | 8,68145 | 657,154 | 7,65196 | 657,154 | 6,74456 | 657,154 |
| 2,75 | 9,02571 | 671,079 | 7,95540 | 671,079 | 7,01201 | 671,079 |
| 2,80 | 9,37644 | 685,215 | 8,26453 | 685,215 | 7,28449 | 685,215 |
| 2,85 | 9,73362 | 699,561 | 8,57936 | 699,561 | 7,56199 | 699,561 |
| 2,90 | 1,00973+3 | 714,114 | 8,89989 | 714,114 | 7,84451 | 714,114 |
| 2,95 | 1,04674 | 728,873 | 9,22613 | 728,873 | 8,13205 | 728,873 |
| | | | | | | |
| 3,00 | 1,08440+3 | 743,835 | 9,55806+2 | 743,835 | 8,42462+2 | 743,835 |
| 3,05 | 1,12271 | 759,000 | 9,89570 | 759,000 | 8,72222 | 759,000 |
| 3,10 | 1,16166 | 774,365 | 1,02390+3 | 774,365 | 9,02485 | 774,365 |
| 3,15 | 1,20126 | 789,928 | 1,05881 | 789,928 | 9,33251 | 789,928 |
| 3,20 | 1,24151 | 805,689 | 1,09429 | 805,689 | 9,64521 | 805,689 |
| 3,25 | 1,28241 | 821,646 | 1,13033 | 821,646 | 9,96294 | 821,646 |
| 3,30 | 1,32395 | 837,797 | 1,16695 | 837,797 | 1,02857+3 | 837,797 |
| 3,35 | 1,36615 | 854,141 | 1,20414 | 854,141 | 1,06135 | 854,141 |
| 3,40 | 1,40899 | 870,677 | 1,24191 | 870,677 | 1,09464 | 870,677 |
| 3,45 | 1,45248 | 887,404 | 1,28024 | 887,404 | 1,12842 | 887,404 |
| | | | | | | |
| 3,50 | 1,49663+3 | 904,320 | 1,31915+3 | 904,320 | 1,16272+3 | 904,320 |
| 3,55 | 1,54142 | 921,425 | 1,35863 | 921,425 | 1,19752 | 921,425 |
| 3,60 | 1,58686 | 938,717 | 1,39868 | 938,717 | 1,23282 | 938,717 |
| 3,65 | 1,63295 | 956,195 | 1,43930 | 956,195 | 1,26862 | 956,195 |
| 3,70 | 1,67969 | 973,858 | 1,48050 | 973,858 | 1,30494 | 973,858 |
| 3,75 | 1,72708 | 991,706 | 1,52227 | 991,706 | 1,34175 | 991,706 |
| 3,80 | 1,77512 | 1009,74 | 1,56462 | 1009,74 | 1,37908 | 1009,74 |
| 3,85 | 1,82381 | 1027,95 | 1,60753 | 1027,95 | 1,41690 | 1027,95 |
| 3,90 | 1,87315 | 1046,34 | 1,65102 | 1046,34 | 1,45524 | 1046,34 |
| 3,95 | 1,92315 | 1064,92 | 1,69509 | 1064,92 | 1,49408 | 1064,92 |

М от 4,00 до 6,00

| М | H=4000 м | | H=4500 м | | H=5000 м | |
|------|----------------------|-------------------|----------------------|-------------------|----------------------|-------------------|
| | $\rho_{\text{д}}$ Па | $T_{\text{ст}}$ К | $\rho_{\text{д}}$ Па | $T_{\text{ст}}$ К | $\rho_{\text{д}}$ Па | $T_{\text{ст}}$ К |
| 4,00 | 1,97379+3 | 1083,67 | 1,73973+3 | 1083,67 | 1,53342+3 | 1083,67 |
| 4,05 | 2,02509 | 1102,61 | 1,78494 | 1102,61 | 1,57328 | 1102,61 |
| 4,10 | 2,07704 | 1121,72 | 1,83073 | 1121,72 | 1,61364 | 1121,72 |
| 4,15 | 2,12964 | 1141,00 | 1,87710 | 1141,00 | 1,65450 | 1141,00 |
| 4,20 | 2,18290 | 1160,46 | 1,92404 | 1160,46 | 1,69588 | 1160,46 |
| 4,25 | 2,23681 | 1180,10 | 1,97156 | 1180,10 | 1,73776 | 1180,10 |
| 4,30 | 2,29137 | 1199,91 | 2,01965 | 1199,91 | 1,78015 | 1199,91 |
| 4,35 | 2,34659 | 1219,89 | 2,06832 | 1219,89 | 1,82305 | 1219,89 |
| 4,40 | 2,40247 | 1240,04 | 2,11757 | 1240,04 | 1,86646 | 1240,04 |
| 4,45 | 2,45900 | 1260,36 | 2,16740 | 1260,36 | 1,91038 | 1260,36 |
| 4,50 | 2,51619+3 | 1280,84 | 2,21781+3 | 1280,84 | 1,95481+3 | 1280,84 |
| 4,55 | 2,57403 | 1301,49 | 2,26879 | 1301,49 | 1,99975 | 1301,49 |
| 4,60 | 2,63254 | 1322,31 | 2,32036 | 1322,31 | 2,04520 | 1322,30 |
| 4,65 | 2,69171 | 1343,28 | 2,37251 | 1343,28 | 2,09117 | 1343,28 |
| 4,70 | 2,75153 | 1364,42 | 2,42524 | 1364,42 | 2,13765 | 1364,42 |
| 4,75 | 2,81202 | 1385,72 | 2,47856 | 1385,72 | 2,18464 | 1385,72 |
| 4,80 | 2,87317 | 1407,17 | 2,53246 | 1407,17 | 2,23215 | 1407,17 |
| 4,85 | 2,93498 | 1428,78 | 2,58694 | 1428,78 | 2,28017 | 1428,78 |
| 4,90 | 2,99746 | 1450,55 | 2,64201 | 1450,54 | 2,32871 | 1450,54 |
| 4,95 | 3,06060 | 1472,46 | 2,69766 | 1472,45 | 2,37776 | 1472,45 |
| 5,00 | 3,12441+3 | 1494,51 | 2,75390+3 | 1494,51 | 2,42733+3 | 1494,50 |
| 5,05 | 3,18889 | 1516,72 | 2,81073 | 1516,71 | 2,47742 | 1516,70 |
| 5,10 | 3,25403 | 1539,06 | 2,86815 | 1539,05 | 2,52803 | 1539,04 |
| 5,15 | 3,31985 | 1561,54 | 2,92616 | 1561,53 | 2,57916 | 1561,52 |
| 5,20 | 3,38633 | 1584,15 | 2,98476 | 1584,14 | 2,63081 | 1584,12 |
| 5,25 | 3,45348 | 1606,90 | 3,04394 | 1606,88 | 2,68297 | 1606,86 |
| 5,30 | 3,52130 | 1629,76 | 3,10372 | 1629,74 | 2,73566 | 1629,71 |
| 5,35 | 3,58979 | 1652,74 | 3,16408 | 1652,71 | 2,78886 | 1652,68 |
| 5,40 | 3,65895 | 1675,84 | 3,22504 | 1675,80 | 2,84258 | 1675,76 |
| 5,45 | 3,72877 | 1699,04 | 3,28658 | 1698,99 | 2,89682 | 1698,94 |
| 5,50 | 3,79926+3 | 1722,34 | 3,34871+3 | 1722,27 | 2,95158+3 | 1722,21 |
| 5,55 | 3,87042 | 1745,72 | 3,41142 | 1745,64 | 3,00685 | 1745,56 |
| 5,60 | 3,94224 | 1769,18 | 3,47472 | 1769,00 | 3,06264 | 1768,98 |
| 5,65 | 4,01472 | 1792,71 | 3,53859 | 1792,59 | 3,11893 | 1792,47 |
| 5,70 | 4,08786 | 1816,30 | 3,60305 | 1816,15 | 3,17573 | 1816,00 |
| 5,75 | 4,16165 | 1839,92 | 3,66808 | 1839,75 | 3,23304 | 1839,56 |
| 5,80 | 4,23609 | 1863,58 | 3,73368 | 1863,36 | 3,29085 | 1863,13 |
| 5,85 | 4,31118 | 1887,24 | 3,79934 | 1886,98 | 3,34915 | 1886,71 |
| 5,90 | 4,38690 | 1910,90 | 3,86657 | 1910,59 | 3,40794 | 1910,26 |
| 5,95 | 4,46326 | 1934,53 | 3,93385 | 1934,16 | 3,46723 | 1933,77 |
| 6,00 | 4,54025+3 | 1958,12 | 4,00168+3 | 1957,69 | 3,52700+3 | 1957,22 |

Примечание. Однозначное число со знаком плюс или минус, стоящее справа от значения динамического давления, является показателем степени десяти — сомножителя данного и каждого последующего значений.

ПРИЛОЖЕНИЕ

Обязательное

МЕТОДИКА ИНТЕРПОЛЯЦИИ ТАБЛИЧНЫХ ДАННЫХ

1. При дозвуковой и звуковой скорости полета ($M < 1$) равновесное динамическое давление определяют как разность полного давления p_0 изэнтропически заторможенного воздуха и статического давления p на заданной высоте

$$P_d = p_0 - p. \quad (1)$$

Равновесную температуру торможения T_s определяют как температуру изэнтропически заторможенного воздуха.

При сверхзвуковой скорости полета ($M > 1$) равновесное динамическое давление воздуха определяют как разность полного давления p_0 за прямой ударной волной и статического давления p на заданной высоте

$$P_d = p_0 - p. \quad (2)$$

В этом случае равновесную температуру торможения T_s определяют как температуру изэнтропически заторможенного воздуха за прямой ударной волной.

2. Значения равновесного динамического давления и температуры торможения воздуха при промежуточных значениях чисел Маха или высот полета по отношению к приведенным в данном стандарте могут быть найдены с помощью линейной интерполяции. При этом следует учитывать, что влияние реальных свойств воздуха на значение коэффициентов

$$K_p = \frac{\frac{p_s}{p}}{\left(\frac{p_s}{p}\right)^0} \quad \text{и} \quad (3)$$

$$K_T = \frac{\frac{T_s}{T}}{\left(\frac{T_s}{T}\right)^0} \quad (4)$$

достаточно мало.

Для идеального газа с постоянным отношением теплоемкостей

$$\kappa^0 = \frac{C_p^0}{C_v^0}.$$

$$\left(\frac{p_s}{p}\right)^0 = \begin{cases} \left[1 + \frac{\kappa^0 - 1}{2} M^2\right]^{\frac{\kappa^0}{\kappa^0 - 1}} - 1, & M < 1 \\ \left[\frac{(\kappa^0 + 1)M^2}{2}\right]^{\frac{\kappa^0}{\kappa^0 - 1}} \cdot \left[\frac{\kappa^0 + 1}{2\kappa^0 M^2 - (\kappa^0 - 1)}\right]^{\frac{1}{\kappa^0 - 1}} - 1, & M > 1 \end{cases} \quad (5)$$

$$\left(\frac{T_s}{T}\right)^0 = 1 + \frac{\kappa^0 - 1}{2} M^2, \quad (6)$$

причем для воздуха $\kappa^0 = 1,40$.

3. Относительные погрешности значений равновесных динамических давлений и температур торможения воздуха, рассчитанных с помощью линейной интерполяции коэффициентов K_p и K_T , не превышают $\pm 0,003$ и $\pm 0,02$ % соответственно.

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