

**SPX****ROBINAIR****Pressure-Temperature Chart****Refrigerant Temperature, °F**

| PSIG | R-12 | R-22 | R-134a | R-408A | R-410A | R-502 |
|------|------|------|--------|--------|--------|-------|
| 0    | -22  | -41  | -15    | -46    | -60    | -50   |
| 2    | -16  | -37  | -10    | -42    | -58    | -45   |
| 4    | -11  | -32  | -5     | -38    | -54    | -40   |
| 6    | -7   | -28  | -1     | -34    | -50    | -36   |
| 8    | -2   | -24  | 3      | -30    | -46    | -32   |
| 10   | 2    | -20  | 7      | -26    | -42    | -29   |
| 12   | 5    | -17  | 10     | -22    | -39    | -25   |
| 14   | 9    | -14  | 13     | -20    | -36    | -22   |
| 16   | 12   | -11  | 16     | -16    | -33    | -19   |
| 18   | 15   | -8   | 19     | -14    | -30    | -16   |
| 20   | 18   | -5   | 22     | -10    | -28    | -13   |
| 22   | 21   | -3   | 25     | -8     | -26    | -11   |
| 24   | 24   | 0    | 27     | -6     | -23    | -8    |
| 26   | 27   | 2    | 30     | -2     | -20    | -6    |
| 28   | 29   | 5    | 32     | 0      | -18    | -3    |
| 30   | 32   | 7    | 35     | 2      | -16    | -1    |
| 32   | 34   | 9    | 37     | 4      | -14    | 1     |
| 34   | 37   | 11   | 39     | 6      | -12    | 3     |
| 36   | 39   | 13   | 41     | 8      | -10    | 5     |
| 38   | 41   | 15   | 43     | 10     | -8     | 7     |
| 40   | 43   | 17   | 45     | 12     | -6     | 9     |
| 42   | 45   | 19   | 47     | 14     | -4     | 11    |
| 44   | 47   | 21   | 49     | 16     | -3     | 13    |
| 46   | 49   | 23   | 51     | 18     | -2     | 15    |
| 48   | 51   | 24   | 52     | 19     | 0      | 16    |
| 50   | 53   | 26   | 54     | 20     | 1      | 18    |
| 52   | 55   | 28   | 56     | 22     | 3      | 20    |
| 54   | 57   | 29   | 57     | 24     | 4      | 21    |
| 56   | 58   | 31   | 59     | 26     | 6      | 23    |
| 58   | 60   | 32   | 60     | 27     | 7      | 24    |
| 60   | 62   | 34   | 62     | 28     | 8      | 26    |
| 62   | 64   | 35   | 64     | 30     | 10     | 27    |
| 64   | 65   | 37   | 65     | 31     | 11     | 29    |
| 66   | 67   | 38   | 66     | 32     | 13     | 30    |
| 68   | 68   | 40   | 68     | 34     | 14     | 32    |
| 70   | 70   | 41   | 69     | 35     | 15     | 33    |
| 72   | 71   | 42   | 71     | 36     | 16     | 34    |
| 74   | 73   | 44   | 72     | 38     | 17     | 36    |
| 76   | 74   | 45   | 73     | 39     | 19     | 37    |
| 78   | 76   | 46   | 75     | 40     | 20     | 38    |

| PSIG | R-12 | R-22 | R-134a | R-408A | R-410A | R-502 |
|------|------|------|--------|--------|--------|-------|
| 80   | 77   | 48   | 76     | 42     | 21     | 40    |
| 85   | 81   | 51   | 79     | 44     | 24     | 43    |
| 90   | 84   | 54   | 82     | 48     | 26     | 46    |
| 95   | 85   | 56   | 85     | 50     | 29     | 49    |
| 100  | 90   | 59   | 88     | 53     | 32     | 51    |
| 105  | 93   | 62   | 90     | 55     | 34     | 54    |
| 110  | 96   | 64   | 93     | 58     | 36     | 57    |
| 115  | 99   | 67   | 96     | 60     | 39     | 59    |
| 120  | 102  | 69   | 98     | 63     | 41     | 62    |
| 125  | 104  | 72   | 100    | 65     | 43     | 64    |
| 130  | 107  | 74   | 103    | 67     | 45     | 67    |
| 135  | 109  | 76   | 105    | 70     | 47     | 69    |
| 140  | 112  | 78   | 107    | 72     | 49     | 71    |
| 145  | 114  | 81   | 109    | 74     | 51     | 73    |
| 150  | 117  | 83   | 112    | 75     | 53     | 75    |
| 155  | 119  | 85   | 114    | 77     | 55     | 77    |
| 160  | 121  | 87   | 116    | 80     | 57     | 80    |
| 165  | 123  | 89   | 118    | 83     | 59     | 82    |
| 170  | 126  | 91   | 120    | 85     | 60     | 83    |
| 175  | 128  | 92   | 122    | 87     | 62     | 85    |
| 180  | 130  | 94   | 123    | 90     | 64     | 87    |
| 185  | 132  | 96   | 125    | 92     | 66     | 89    |
| 190  | 134  | 98   | 127    | 93     | 67     | 91    |
| 195  | 136  | 99   | 128    | 94     | 69     | 93    |
| 200  | 138  | 101  | 131    | 95     | 70     | 95    |
| 205  | 140  | 103  | 132    | 96     | 72     | 96    |
| 210  | 142  | 105  | 134    | 97     | 73     | 98    |
| 215  | 143  | 106  | 136    | 98     | 75     | 100   |
| 220  | 145  | 108  | 137    | 100    | 76     | 101   |
| 225  | 147  | 110  | 139    | 103    | 78     | 103   |
| 235  | 150  | 113  | 142    | 105    | 80     | 106   |
| 245  | 154  | 116  | 145    | 107    | 83     | 109   |
| 255  | 157  | 119  | 148    | 110    | 85     | 112   |
| 265  | 160  | 121  | 151    | 112    | 88     | 115   |
| 275  | 163  | 124  | 153    | 116    | 90     | 118   |
| 285  | 166  | 127  | 155    | 120    | 92     | 121   |
| 295  | 169  | 130  | 158    | 123    | 95     | 124   |
| 305  | 172  | 133  | 161    | 125    | 97     | 127   |
| 315  | 175  | 134  | 164    | 127    | 99     | 129   |
| 325  | 178  | 137  | 167    | 129    | 101    | 131   |
| 335  | 181  | 139  | 169    | 132    | 104    | 134   |
| 345  | 184  | 141  | 171    | 133    | 106    | 136   |
| 355  | 187  | 144  | 173    | 134    | 108    | 138   |
| 365  | 190  | 146  | 175    | 135    | 110    | 141   |
| 375  | 191  | 148  | 177    | 140    | 112    | 143   |
| 405  | 197  | 155  | 182    | 146    | 118    | 149   |
| 500  | 218  | 173  | 202    | N/A    | 134    | 167   |
| 550  | N/A  | N/A  | N/A    | N/A    | 142    | N/A   |
| 600  | N/A  | N/A  | N/A    | N/A    | 149    | N/A   |
| 700  | N/A  | N/A  | N/A    | N/A    | 159    | N/A   |



# ROBINAIR

## Pressure-Temperature Chart

### Refrigerant Temperature, °F

| PSIG | R-401A | R-401B | R-402A | R-402B | R-404A | R-500 |
|------|--------|--------|--------|--------|--------|-------|
| 0    | -16    | -19    | -52    | -48    | -51    | -28   |
| 2    | -11    | -14    | -47    | -43    | -46    | -23   |
| 4    | -6     | -9     | -42    | -38    | -41    | -18   |
| 6    | -2     | -5     | -38    | -35    | -37    | -13   |
| 8    | 2      | -1     | -35    | -30    | -33    | -9    |
| 10   | 6      | 2      | -31    | -27    | -30    | -5    |
| 12   | 9      | 6      | -28    | -24    | -27    | -2    |
| 14   | 13     | 9      | -25    | -21    | -23    | 2     |
| 16   | 16     | 12     | -22    | -18    | -20    | 5     |
| 18   | 19     | 15     | -19    | -15    | -18    | 8     |
| 20   | 21     | 18     | -16    | -12    | -15    | 11    |
| 22   | 24     | 21     | -14    | -9     | -12    | 14    |
| 24   | 27     | 23     | -12    | -7     | -10    | 16    |
| 26   | 29     | 26     | -9     | -5     | -8     | 19    |
| 28   | 32     | 28     | -6     | -3     | -5     | 21    |
| 30   | 34     | 30     | -5     | -1     | -3     | 24    |
| 32   | 36     | 32     | -2     | 0      | -1     | 26    |
| 34   | 38     | 34     | -1     | 2      | 1      | 28    |
| 36   | 40     | 37     | 0      | 4      | 3      | 30    |
| 38   | 43     | 38     | 1      | 6      | 5      | 32    |
| 40   | 45     | 41     | 3      | 7      | 7      | 34    |
| 42   | 46     | 43     | 5      | 9      | 8      | 36    |
| 44   | 48     | 44     | 6      | 11     | 10     | 38    |
| 46   | 50     | 46     | 8      | 13     | 12     | 40    |
| 48   | 52     | 48     | 10     | 14     | 14     | 42    |
| 50   | 54     | 50     | 11     | 16     | 16     | 44    |
| 52   | 56     | 51     | 13     | 18     | 17     | 46    |
| 54   | 57     | 53     | 14     | 19     | 18     | 47    |
| 56   | 59     | 54     | 16     | 21     | 19     | 49    |
| 58   | 60     | 55     | 17     | 22     | 20     | 50    |
| 60   | 62     | 56     | 19     | 24     | 22     | 52    |
| 62   | 63     | 58     | 21     | 25     | 23     | 53    |
| 64   | 65     | 60     | 22     | 27     | 25     | 55    |
| 66   | 66     | 61     | 23     | 28     | 26     | 57    |
| 68   | 68     | 63     | 24     | 29     | 27     | 58    |
| 70   | 69     | 64     | 26     | 31     | 29     | 60    |
| 72   | 71     | 65     | 27     | 32     | 30     | 61    |
| 74   | 72     | 66     | 29     | 33     | 32     | 63    |
| 76   | 73     | 68     | 30     | 34     | 33     | 64    |
| 78   | 75     | 69     | 31     | 35     | 34     | 65    |
| 80   | 76     | 70     | 32     | 37     | 35     | 67    |
| 85   | 79     | 74     | 35     | 40     | 36     | 68    |
| 90   | 82     | 76     | 38     | 43     | 41     | 73    |
| 95   | 85     | 79     | 41     | 46     | 44     | 76    |
| 100  | 88     | 82     | 43     | 48     | 46     | 79    |

| PSIG | R-401A | R-401B | R-402A | R-402B | R-404A | R-500 |
|------|--------|--------|--------|--------|--------|-------|
| 105  | 91     | 84     | 46     | 51     | 48     | 82    |
| 110  | 94     | 88     | 49     | 53     | 52     | 84    |
| 115  | 96     | 90     | 50     | 55     | 54     | 87    |
| 120  | 99     | 93     | 54     | 58     | 56     | 90    |
| 125  | 101    | 95     | 56     | 61     | 59     | 92    |
| 130  | 103    | 97     | 58     | 63     | 61     | 95    |
| 135  | 105    | 99     | 61     | 65     | 63     | 97    |
| 140  | 108    | 101    | 62     | 68     | 65     | 99    |
| 145  | 110    | 104    | 64     | 70     | 67     | 102   |
| 150  | 112    | 106    | 66     | 72     | 69     | 104   |
| 155  | 114    | 108    | 68     | 73     | 71     | 106   |
| 160  | 116    | 110    | 70     | 76     | 74     | 108   |
| 165  | 118    | 112    | 72     | 77     | 76     | 110   |
| 170  | 120    | 113    | 73     | 79     | 77     | 112   |
| 175  | 122    | 115    | 75     | 81     | 78     | 115   |
| 180  | 124    | 118    | 77     | 82     | 81     | 117   |
| 185  | 126    | 120    | 79     | 84     | 83     | 118   |
| 190  | 128    | 122    | 80     | 86     | 84     | 120   |
| 195  | 129    | 123    | 82     | 87     | 86     | 122   |
| 200  | 131    | 125    | 85     | 89     | 88     | 124   |
| 205  | 132    | 126    | 86     | 91     | 89     | 127   |
| 210  | 134    | 128    | 87     | 92     | 91     | 128   |
| 215  | 136    | 129    | 89     | 94     | 92     | 129   |
| 220  | 138    | 131    | 91     | 96     | 94     | 131   |
| 225  | 140    | 133    | 92     | 97     | 95     | 133   |
| 235  | 142    | 136    | 95     | 100    | 98     | 136   |
| 245  | 145    | 139    | 98     | 104    | 101    | 139   |
| 255  | 149    | 141    | 100    | 106    | 103    | 142   |
| 265  | 151    | 145    | 103    | 109    | 106    | 146   |
| 275  | 154    | 147    | 106    | 111    | 109    | 148   |
| 285  | 156    | 150    | 108    | 114    | 112    | 152   |
| 295  | 159    | 152    | 110    | 117    | 115    | 154   |
| 305  | 162    | 156    | 113    | 119    | 118    | 156   |
| 315  | 164    | 158    | 116    | 121    | 119    | 160   |
| 325  | 167    | 159    | 119    | 124    | 122    | 162   |
| 335  | 169    | 163    | 120    | 126    | 123    | 164   |
| 345  | 172    | 165    | 122    | 128    | 127    | 168   |
| 355  | 174    | 168    | 125    | 130    | 129    | 170   |
| 365  | 176    | 170    | 127    | 133    | 130    | 172   |
| 375  | 178    | 172    | 129    | 135    | 133    | 174   |
| 385  | 181    | 174    | 132    | 136    | 135    | 176   |
| 395  | 183    | 176    | 133    | 140    | 136    | 178   |
| 405  | 185    | 178    | 135    | 141    | 139    | 182   |
| 450  | 194    | 186    | 143    | 150    | 147    | 190   |
| 500  | 203    | 196    | 152    | 159    | 156    | 200   |

\*Dew point temperatures for saturated vapor



**ROBINAIR**