



# Coil Performance Data



| AIRFLOW<br>W (CFM) | OUTDOOR<br>R<br>DB(°F) | ID WB(°F) | 60.8°F(16.0°C) |                |                |                |                | 64.4°F(18.0°C) |                |                |                |                | 67°F(19.4°C)   |                |                |                |                | 71.6°F(22.0°C) |                |                |                |                |
|--------------------|------------------------|-----------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
|                    |                        | ID DB(°F) | 73.4°F(23.0°C) | 77.0°F(25.0°C) | 80.0°F(26.7°C) | 80.6°F(27.0°C) | 84.2°F(29.0°C) | 73.4°F(23.0°C) | 77.0°F(25.0°C) | 80.0°F(26.7°C) | 80.6°F(27.0°C) | 84.2°F(29.0°C) | 73.4°F(23.0°C) | 77.0°F(25.0°C) | 80.0°F(26.7°C) | 80.6°F(27.0°C) | 84.2°F(29.0°C) | 73.4°F(23.0°C) | 77.0°F(25.0°C) | 80.0°F(26.7°C) | 80.6°F(27.0°C) | 84.2°F(29.0°C) |
| 207                | -22°F<br>(-30.0°C)     | TC        | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              |
|                    |                        | S/T       | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              |
|                    |                        | PI        | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              | /              |
|                    | -13°F<br>(-25.0°C)     | TC        | 11781          | 11797          | 11810          | 11810          | 11826          | 12491          | 12506          | 12518          | 12521          | 12536          | 13237          | 13255          | 13269          | 13272          | 13287          | 14035          | 14050          | 14065          | 14068          | 14085          |
|                    |                        | S/T       | 0.36           | 0.42           | 0.47           | 0.47           | 0.54           | 0.38           | 0.44           | 0.50           | 0.50           | 0.57           | 0.40           | 0.47           | 0.53           | 0.53           | 0.61           | 0.42           | 0.50           | 0.57           | 0.57           | 0.64           |
|                    |                        | PI        | 0.46           | 0.46           | 0.46           | 0.46           | 0.47           | 0.49           | 0.49           | 0.49           | 0.49           | 0.49           | 0.52           | 0.52           | 0.52           | 0.52           | 0.52           | 0.55           | 0.55           | 0.55           | 0.55           | 0.55           |
|                    | -4°F<br>(-20.0°C)      | TC        | 11829          | 11845          | 11858          | 11858          | 11874          | 12542          | 12557          | 12569          | 12572          | 12586          | 13291          | 13308          | 13323          | 13326          | 13341          | 14092          | 14107          | 14123          | 14125          | 14142          |
|                    |                        | S/T       | 0.36           | 0.42           | 0.48           | 0.48           | 0.54           | 0.38           | 0.45           | 0.51           | 0.51           | 0.58           | 0.40           | 0.47           | 0.54           | 0.54           | 0.61           | 0.43           | 0.50           | 0.57           | 0.57           | 0.65           |
|                    |                        | PI        | 0.46           | 0.46           | 0.47           | 0.47           | 0.47           | 0.49           | 0.49           | 0.49           | 0.49           | 0.49           | 0.52           | 0.52           | 0.52           | 0.52           | 0.52           | 0.55           | 0.55           | 0.55           | 0.55           | 0.56           |
|                    | 0°F<br>(-17.8°C)       | TC        | 11850          | 11866          | 11879          | 11879          | 11895          | 12564          | 12579          | 12592          | 12594          | 12609          | 13315          | 13332          | 13347          | 13350          | 13365          | 14117          | 14133          | 14148          | 14150          | 14168          |
|                    |                        | S/T       | 0.36           | 0.42           | 0.48           | 0.48           | 0.55           | 0.38           | 0.45           | 0.51           | 0.51           | 0.58           | 0.40           | 0.47           | 0.54           | 0.54           | 0.61           | 0.43           | 0.50           | 0.57           | 0.57           | 0.65           |
|                    |                        | PI        | 0.46           | 0.47           | 0.47           | 0.47           | 0.47           | 0.49           | 0.49           | 0.49           | 0.49           | 0.49           | 0.52           | 0.52           | 0.52           | 0.52           | 0.52           | 0.55           | 0.55           | 0.55           | 0.55           | 0.56           |
|                    | 5°F<br>(-15.0°C)       | TC        | 11877          | 11893          | 11906          | 11906          | 11922          | 12593          | 12607          | 12620          | 12622          | 12637          | 13345          | 13362          | 13377          | 13380          | 13394          | 14149          | 14164          | 14180          | 14182          | 14200          |
|                    |                        | S/T       | 0.36           | 0.42           | 0.48           | 0.48           | 0.55           | 0.38           | 0.45           | 0.51           | 0.51           | 0.58           | 0.41           | 0.48           | 0.54           | 0.54           | 0.62           | 0.43           | 0.50           | 0.57           | 0.57           | 0.65           |
|                    |                        | PI        | 0.46           | 0.47           | 0.47           | 0.47           | 0.47           | 0.49           | 0.49           | 0.49           | 0.49           | 0.49           | 0.52           | 0.52           | 0.52           | 0.52           | 0.52           | 0.55           | 0.55           | 0.55           | 0.55           | 0.56           |
|                    | 14°F<br>(-10.0°C)      | TC        | 12382          | 12399          | 12412          | 12413          | 12430          | 13129          | 13144          | 13157          | 13160          | 13175          | 13913          | 13931          | 13947          | 13949          | 13965          | 14751          | 14767          | 14783          | 14786          | 14804          |
|                    |                        | S/T       | 0.36           | 0.42           | 0.48           | 0.48           | 0.55           | 0.38           | 0.45           | 0.51           | 0.51           | 0.58           | 0.41           | 0.48           | 0.54           | 0.54           | 0.62           | 0.43           | 0.51           | 0.57           | 0.57           | 0.65           |
|                    |                        | PI        | 0.42           | 0.42           | 0.42           | 0.42           | 0.42           | 0.44           | 0.44           | 0.44           | 0.44           | 0.44           | 0.47           | 0.47           | 0.47           | 0.47           | 0.47           | 0.49           | 0.50           | 0.50           | 0.50           | 0.50           |
|                    | 17°F<br>(-8.3°C)       | TC        | 12551          | 12568          | 12581          | 12582          | 12599          | 13307          | 13323          | 13336          | 13339          | 13355          | 14102          | 14121          | 14137          | 14139          | 14155          | 14952          | 14968          | 14985          | 14987          | 15006          |
|                    |                        | S/T       | 0.36           | 0.43           | 0.48           | 0.48           | 0.55           | 0.38           | 0.45           | 0.51           | 0.51           | 0.58           | 0.41           | 0.48           | 0.54           | 0.54           | 0.62           | 0.43           | 0.51           | 0.58           | 0.58           | 0.66           |
|                    |                        | PI        | 0.40           | 0.40           | 0.40           | 0.40           | 0.40           | 0.42           | 0.42           | 0.42           | 0.42           | 0.42           | 0.45           | 0.45           | 0.45           | 0.45           | 0.45           | 0.47           | 0.48           | 0.48           | 0.48           | 0.48           |
|                    | 23°F<br>(-5.0°C)       | TC        | 12384          | 12401          | 12414          | 12415          | 12432          | 13131          | 13146          | 13159          | 13162          | 13178          | 13915          | 13933          | 13949          | 13951          | 13967          | 14754          | 14770          | 14786          | 14788          | 14807          |
|                    |                        | S/T       | 0.36           | 0.43           | 0.49           | 0.49           | 0.55           | 0.39           | 0.45           | 0.52           | 0.52           | 0.59           | 0.41           | 0.48           | 0.55           | 0.55           | 0.62           | 0.43           | 0.51           | 0.58           | 0.58           | 0.66           |
|                    |                        | PI        | 0.42           | 0.42           | 0.42           | 0.42           | 0.42           | 0.45           | 0.45           | 0.45           | 0.45           | 0.45           | 0.47           | 0.48           | 0.48           | 0.48           | 0.48           | 0.50           | 0.50           | 0.50           | 0.50           | 0.51           |
|                    | 35°F(1.7°C)            | TC        | 12051          | 12067          | 12080          | 12081          | 12097          | 12778          | 12793          | 12805          | 12808          | 12823          | 13541          | 13558          | 13574          | 13576          | 13591          | 14357          | 14372          | 14388          | 14390          | 14408          |
|                    |                        | S/T       | 0.37           | 0.43           | 0.49           | 0.49           | 0.56           | 0.39           | 0.46           | 0.52           | 0.52           | 0.59           | 0.41           | 0.48           | 0.55           | 0.55           | 0.63           | 0.44           | 0.51           | 0.58           | 0.58           | 0.66           |
|                    |                        | PI        | 0.47           | 0.47           | 0.47           | 0.47           | 0.47           | 0.50           | 0.50           | 0.50           | 0.50           | 0.50           | 0.53           | 0.53           | 0.53           | 0.53           | 0.53           | 0.56           | 0.56           | 0.56           | 0.56           | 0.56           |
|                    | 41°F(5.0°C)            | TC        | 11753          | 11769          | 11781          | 11782          | 11798          | 12461          | 12476          | 12488          | 12491          | 12506          | 13206          | 13223          | 13238          | 13240          | 13255          | 14001          | 14017          | 14032          | 14034          | 14052          |
|                    |                        | S/T       | 0.37           | 0.43           | 0.49           | 0.49           | 0.56           | 0.39           | 0.46           | 0.52           | 0.52           | 0.59           | 0.41           | 0.48           | 0.55           | 0.55           | 0.63           | 0.44           | 0.51           | 0.58           | 0.58           | 0.66           |
|                    |                        | PI        | 0.50           | 0.50           | 0.50           | 0.50           | 0.50           | 0.53           | 0.53           | 0.53           | 0.53           | 0.53           | 0.56           | 0.56           | 0.56           | 0.56           | 0.57           | 0.60           | 0.60           | 0.60           | 0.60           | 0.60           |
|                    | 47°F(8.3°C)            | TC        | 11455          | 11470          | 11482          | 11483          | 11498          | 12145          | 12159          | 12171          | 12174          | 12188          | 12871          | 12887          | 12902          | 12904          | 12918          | 13646          | 13661          | 13676          | 13678          | 13695          |
|                    |                        | S/T       | 0.37           | 0.43           | 0.49           | 0.49           | 0.56           | 0.39           | 0.46           | 0.52           | 0.52           | 0.59           | 0.41           | 0.49           | 0.55           | 0.55           | 0.63           | 0.44           | 0.51           | 0.58           | 0.58           | 0.67           |
|                    |                        | PI        | 0.53           | 0.53           | 0.53           | 0.53           | 0.53           | 0.56           | 0.56           | 0.57           | 0.57           | 0.57           | 0.60           | 0.60           | 0.60           | 0.60           | 0.60           | 0.63           | 0.63           | 0.64           | 0.64           | 0.64           |
|                    | 50°F(10.0°C)           | TC        | 11661          | 11676          | 11689          | 11689          | 11705          | 12363          | 12378          | 12390          | 12393          | 12407          | 13102          | 13119          | 13134          | 13136          | 13151          | 13891          | 13906          | 13922          | 13924          | 13941          |
|                    |                        | S/T       | 0.37           | 0.43           | 0.49           | 0.49           | 0.56           | 0.39           | 0.46           | 0.52           | 0.52           | 0.60           | 0.42           | 0.49           | 0.55           | 0.55           | 0.63           | 0.44           | 0.52           | 0.59           | 0.59           | 0.67           |
|                    |                        | PI        | 0.54           | 0.55           | 0.55           | 0.55           | 0.55           | 0.58           | 0.58           | 0.58           | 0.58           | 0.58           | 0.61           | 0.61           | 0.61           | 0.61           | 0.61           | 0.65           | 0.65           | 0.65           | 0.65           | 0.65           |
|                    | 59°F(15.0°C)           | TC        | 12278          | 12295          | 12308          | 12309          | 12325          | 13018          | 13034          | 13047          | 13049          | 13065          | 13796          | 13814          | 13830          | 13832          | 13848          | 14627          | 14643          | 14659          | 14662          | 14680          |
|                    |                        | S/T       | 0.37           | 0.44           | 0.50           | 0.50           | 0.57           | 0.39           | 0.46           | 0.53           | 0.53           | 0.60           | 0.42           | 0.49           | 0.56           | 0.56           | 0.64           | 0.44           | 0.52           | 0.59           | 0.59           | 0.67           |
|                    |                        | PI        | 0.58           | 0.58           | 0.58           | 0.58           | 0.59           | 0.62           | 0.62           | 0.62           | 0.62           | 0.62           | 0.66           | 0.66           | 0.66           | 0.66           | 0.66           | 0.69           | 0.70           | 0.70           | 0.70           | 0.70           |
|                    | 68°F(20.0°C)           | TC        | 12896          | 12914          | 12928          | 12928          | 12946          | 13674          | 13690          | 13703          | 13706          | 13722          | 14490          | 14509          | 14525          | 14528          | 14544          | 15364          | 15380          | 15397          | 15399          | 15419          |
|                    |                        | S/T       | 0.38           | 0.45           | 0.51           | 0.51           | 0.58           | 0.40           | 0.48           | 0.54           | 0.54           | 0.62           | 0.43           | 0.50           | 0.57           | 0.57           | 0.65           | 0.45           | 0.53           | 0.61           | 0.61           | 0.69           |
|                    |                        | PI        | 0.62           | 0.62           | 0.62           | 0.62           | 0.62           | 0.66           | 0.66           | 0.66           | 0.66           | 0.66           | 0.70           | 0.70           | 0.70           | 0.70           | 0.70           | 0.74           | 0.74           | 0.74           | 0.74           | 0.74           |
|                    | 77°F(25.0°C)           | TC        | 13514          | 13532          | 13547          | 13548          | 13566          | 14329          | 14346          | 14360          | 14363          | 14380          | 15185          | 15204          | 15221          | 15224          | 15241          | 16100          | 16117          | 16135          | 16137          | 16157          |
|                    |                        | S/T       | 0.39           | 0.45           | 0.52           | 0.52           | 0.59           | 0.41           | 0.48           | 0.55           | 0.55           | 0.62           | 0.43           | 0.51           | 0.58           | 0.58           | 0.66           | 0.46           | 0.54           | 0.61           | 0.61           | 0.70           |

|  |   |               |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|--|---|---------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|  | ✓ |               | PI  | 0.66  | 0.66  | 0.66  | 0.66  | 0.66  | 0.70  | 0.70  | 0.70  | 0.70  | 0.70  | 0.74  | 0.74  | 0.74  | 0.74  | 0.74  | 0.79  | 0.79  | 0.79  | 0.79  | 0.79  |
|  |   | 82°F(27.8℃)   | TC  | 13561 | 13580 | 13594 | 13595 | 13613 | 14379 | 14396 | 14410 | 14413 | 14430 | 15238 | 15258 | 15275 | 15277 | 15294 | 16156 | 16173 | 16191 | 16194 | 16214 |
|  |   |               | S/T | 0.39  | 0.46  | 0.52  | 0.52  | 0.60  | 0.42  | 0.49  | 0.55  | 0.55  | 0.63  | 0.44  | 0.52  | 0.59  | 0.59  | 0.67  | 0.47  | 0.55  | 0.62  | 0.62  | 0.71  |
|  |   |               | PI  | 0.73  | 0.73  | 0.73  | 0.73  | 0.73  | 0.77  | 0.77  | 0.77  | 0.77  | 0.77  | 0.82  | 0.82  | 0.82  | 0.82  | 0.82  | 0.87  | 0.87  | 0.87  | 0.87  | 0.87  |
|  |   | 86°F(30.0℃)   | TC  | 13226 | 13244 | 13258 | 13258 | 13276 | 14023 | 14039 | 14053 | 14056 | 14073 | 14861 | 14880 | 14897 | 14899 | 14916 | 15756 | 15773 | 15790 | 15793 | 15812 |
|  |   |               | S/T | 0.40  | 0.47  | 0.53  | 0.53  | 0.60  | 0.42  | 0.49  | 0.56  | 0.56  | 0.64  | 0.45  | 0.52  | 0.59  | 0.59  | 0.68  | 0.47  | 0.55  | 0.63  | 0.63  | 0.72  |
|  |   |               | PI  | 0.84  | 0.84  | 0.84  | 0.84  | 0.84  | 0.89  | 0.89  | 0.89  | 0.89  | 0.89  | 0.94  | 0.95  | 0.95  | 0.95  | 0.95  | 1.00  | 1.00  | 1.00  | 1.00  | 1.01  |
|  |   | 95°F(35.0℃)   | TC  | 12471 | 12487 | 12501 | 12501 | 12518 | 13222 | 13238 | 13251 | 13253 | 13269 | 14012 | 14030 | 14046 | 14049 | 14064 | 14856 | 14872 | 14889 | 14891 | 14910 |
|  |   |               | S/T | 0.40  | 0.47  | 0.53  | 0.53  | 0.60  | 0.42  | 0.49  | 0.56  | 0.56  | 0.64  | 0.45  | 0.52  | 0.59  | 0.59  | 0.68  | 0.47  | 0.55  | 0.63  | 0.63  | 0.72  |
|  |   |               | PI  | 1.10  | 1.10  | 1.10  | 1.10  | 1.10  | 1.16  | 1.16  | 1.16  | 1.16  | 1.17  | 1.23  | 1.23  | 1.23  | 1.23  | 1.24  | 1.30  | 1.31  | 1.31  | 1.31  | 1.31  |
|  |   | 104°F(40.0℃)  | TC  | 10656 | 10670 | 10682 | 10682 | 10697 | 11298 | 11312 | 11323 | 11325 | 11339 | 11973 | 11989 | 12002 | 12004 | 12018 | 12695 | 12709 | 12722 | 12724 | 12740 |
|  |   |               | S/T | 0.41  | 0.48  | 0.54  | 0.54  | 0.62  | 0.43  | 0.51  | 0.57  | 0.57  | 0.66  | 0.46  | 0.54  | 0.61  | 0.61  | 0.69  | 0.48  | 0.57  | 0.65  | 0.65  | 0.74  |
|  |   |               | PI  | 1.01  | 1.01  | 1.01  | 1.01  | 1.01  | 1.07  | 1.07  | 1.07  | 1.07  | 1.07  | 1.13  | 1.14  | 1.14  | 1.14  | 1.14  | 1.20  | 1.20  | 1.21  | 1.21  | 1.21  |
|  |   | 110°F(43.0℃)  | TC  | 9567  | 9580  | 9591  | 9591  | 9604  | 10144 | 10156 | 10166 | 10168 | 10180 | 10750 | 10764 | 10776 | 10778 | 10790 | 11398 | 11410 | 11423 | 11424 | 11439 |
|  |   |               | S/T | 0.42  | 0.49  | 0.56  | 0.56  | 0.64  | 0.45  | 0.52  | 0.60  | 0.60  | 0.68  | 0.47  | 0.56  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.76  |
|  |   |               | PI  | 0.96  | 0.96  | 0.96  | 0.96  | 0.96  | 1.02  | 1.02  | 1.02  | 1.02  | 1.02  | 1.08  | 1.08  | 1.08  | 1.08  | 1.08  | 1.14  | 1.14  | 1.14  | 1.14  | 1.15  |
|  |   | 115°F(46.0℃)  | TC  | 6914  | 6924  | 6931  | 6931  | 6941  | 7331  | 7340  | 7347  | 7348  | 7357  | 7769  | 7779  | 7788  | 7789  | 7798  | 8237  | 8246  | 8255  | 8256  | 8267  |
|  |   |               | S/T | 0.43  | 0.50  | 0.57  | 0.57  | 0.65  | 0.45  | 0.53  | 0.60  | 0.60  | 0.69  | 0.48  | 0.56  | 0.64  | 0.64  | 0.73  | 0.51  | 0.60  | 0.68  | 0.68  | 0.77  |
|  |   |               | PI  | 0.78  | 0.78  | 0.78  | 0.78  | 0.78  | 0.83  | 0.83  | 0.83  | 0.83  | 0.83  | 0.87  | 0.88  | 0.88  | 0.88  | 0.88  | 0.93  | 0.93  | 0.93  | 0.93  | 0.93  |
|  |   | 122°F(50.0℃)  | TC  | 3377  | 3382  | 3385  | 3385  | 3390  | 3580  | 3585  | 3588  | 3589  | 3593  | 3794  | 3799  | 3804  | 3804  | 3808  | 4023  | 4027  | 4032  | 4032  | 4037  |
|  |   |               | S/T | 0.44  | 0.51  | 0.58  | 0.58  | 0.66  | 0.46  | 0.54  | 0.62  | 0.62  | 0.70  | 0.49  | 0.58  | 0.65  | 0.65  | 0.75  | 0.52  | 0.61  | 0.69  | 0.69  | 0.79  |
|  |   |               | PI  | 0.54  | 0.54  | 0.54  | 0.54  | 0.54  | 0.57  | 0.57  | 0.57  | 0.57  | 0.57  | 0.60  | 0.61  | 0.61  | 0.61  | 0.61  | 0.64  | 0.64  | 0.64  | 0.64  | 0.64  |
|  |   | -22°F(-30.0℃) | TC  | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|  |   |               | S/T | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|  |   |               | PI  | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|  |   | -13°F(-25.0℃) | TC  | 13006 | 13024 | 13038 | 13038 | 13056 | 13790 | 13807 | 13820 | 13823 | 13839 | 14614 | 14633 | 14649 | 14652 | 14668 | 15495 | 15511 | 15528 | 15531 | 15550 |
|  |   |               | S/T | 0.39  | 0.46  | 0.52  | 0.52  | 0.60  | 0.42  | 0.49  | 0.56  | 0.56  | 0.63  | 0.44  | 0.52  | 0.59  | 0.59  | 0.67  | 0.47  | 0.55  | 0.62  | 0.62  | 0.71  |
|  |   |               | PI  | 0.51  | 0.51  | 0.51  | 0.51  | 0.51  | 0.54  | 0.54  | 0.54  | 0.54  | 0.54  | 0.58  | 0.58  | 0.58  | 0.58  | 0.58  | 0.61  | 0.61  | 0.61  | 0.61  | 0.61  |
|  |   | -4°F(-20.0℃)  | TC  | 13059 | 13077 | 13091 | 13091 | 13109 | 13846 | 13863 | 13876 | 13879 | 13895 | 14673 | 14692 | 14709 | 14712 | 14728 | 15558 | 15574 | 15591 | 15594 | 15613 |
|  |   |               | S/T | 0.40  | 0.46  | 0.53  | 0.53  | 0.60  | 0.42  | 0.49  | 0.56  | 0.56  | 0.64  | 0.44  | 0.52  | 0.59  | 0.59  | 0.68  | 0.47  | 0.55  | 0.63  | 0.63  | 0.72  |
|  |   |               | PI  | 0.51  | 0.51  | 0.51  | 0.51  | 0.51  | 0.54  | 0.54  | 0.54  | 0.54  | 0.55  | 0.58  | 0.58  | 0.58  | 0.58  | 0.58  | 0.61  | 0.61  | 0.61  | 0.61  | 0.61  |
|  |   | 0°F(-17.8℃)   | TC  | 13083 | 13100 | 13114 | 13115 | 13133 | 13871 | 13887 | 13901 | 13904 | 13920 | 14700 | 14719 | 14735 | 14738 | 14754 | 15585 | 15602 | 15619 | 15622 | 15641 |
|  |   |               | S/T | 0.40  | 0.47  | 0.53  | 0.53  | 0.60  | 0.42  | 0.49  | 0.56  | 0.56  | 0.64  | 0.45  | 0.52  | 0.59  | 0.59  | 0.68  | 0.47  | 0.55  | 0.63  | 0.63  | 0.72  |
|  |   |               | PI  | 0.51  | 0.51  | 0.51  | 0.51  | 0.51  | 0.54  | 0.54  | 0.54  | 0.54  | 0.55  | 0.58  | 0.58  | 0.58  | 0.58  | 0.58  | 0.61  | 0.61  | 0.61  | 0.61  | 0.61  |
|  |   | 5°F(-15.0℃)   | TC  | 13112 | 13130 | 13144 | 13144 | 13162 | 13902 | 13919 | 13932 | 13935 | 13952 | 14733 | 14752 | 14768 | 14771 | 14788 | 15620 | 15637 | 15654 | 15657 | 15676 |
|  |   |               | S/T | 0.40  | 0.47  | 0.53  | 0.53  | 0.61  | 0.42  | 0.50  | 0.56  | 0.56  | 0.64  | 0.45  | 0.53  | 0.60  | 0.60  | 0.68  | 0.47  | 0.56  | 0.63  | 0.63  | 0.72  |
|  |   |               | PI  | 0.51  | 0.51  | 0.51  | 0.51  | 0.52  | 0.54  | 0.54  | 0.55  | 0.55  | 0.55  | 0.58  | 0.58  | 0.58  | 0.58  | 0.58  | 0.61  | 0.61  | 0.61  | 0.61  | 0.61  |
|  |   | 14°F(-10.0℃)  | TC  | 13670 | 13689 | 13703 | 13704 | 13723 | 14494 | 14511 | 14526 | 14528 | 14546 | 15360 | 15380 | 15397 | 15400 | 15417 | 16286 | 16303 | 16321 | 16324 | 16344 |
|  |   |               | S/T | 0.40  | 0.47  | 0.53  | 0.53  | 0.61  | 0.42  | 0.50  | 0.56  | 0.56  | 0.64  | 0.45  | 0.53  | 0.60  | 0.60  | 0.68  | 0.48  | 0.56  | 0.63  | 0.63  | 0.72  |
|  |   |               | PI  | 0.46  | 0.46  | 0.46  | 0.46  | 0.46  | 0.49  | 0.49  | 0.49  | 0.49  | 0.49  | 0.51  | 0.52  | 0.52  | 0.52  | 0.52  | 0.55  | 0.55  | 0.55  | 0.55  | 0.55  |
|  |   | 17°F(-8.3℃)   | TC  | 13856 | 13875 | 13890 | 13891 | 13909 | 14691 | 14709 | 14723 | 14726 | 14744 | 15569 | 15589 | 15607 | 15610 | 15627 | 16507 | 16525 | 16543 | 16546 | 16566 |
|  |   |               | S/T | 0.40  | 0.47  | 0.53  | 0.53  | 0.61  | 0.42  | 0.50  | 0.57  | 0.57  | 0.65  | 0.45  | 0.53  | 0.60  | 0.60  | 0.68  | 0.48  | 0.56  | 0.64  | 0.64  | 0.73  |
|  |   |               | PI  | 0.44  | 0.44  | 0.44  | 0.44  | 0.44  | 0.47  | 0.47  | 0.47  | 0.47  | 0.47  | 0.49  | 0.50  | 0.50  | 0.50  | 0.50  | 0.52  | 0.52  | 0.53  | 0.53  | 0.53  |
|  |   | 23°F(-5.0℃)   | TC  | 13672 | 13691 | 13706 | 13706 | 13725 | 14496 | 14514 | 14528 | 14531 | 14548 | 15363 | 15382 | 15400 | 15402 | 15420 | 16288 | 16306 | 16324 | 16326 | 16346 |
|  |   |               | S/T | 0.40  | 0.47  | 0.54  | 0.54  | 0.61  | 0.43  | 0.50  | 0.57  | 0.57  | 0.65  | 0.45  | 0.53  | 0.60  | 0.60  | 0.69  | 0.48  | 0.56  | 0.64  | 0.64  | 0.73  |
|  |   |               | PI  | 0.47  | 0.47  | 0.47  | 0.47  | 0.47  | 0.49  | 0.50  | 0.50  | 0.50  | 0.50  | 0.52  | 0.52  | 0.53  | 0.53  | 0.53  | 0.56  | 0.56  | 0.56  | 0.56  | 0.56  |
|  |   | 35°F(1.7℃)    | TC  | 13305 | 13323 | 13337 | 13337 | 13355 | 14106 | 14123 | 14137 | 14140 | 14157 | 14949 | 14969 | 14985 | 14988 | 15005 | 15850 | 15867 | 15884 | 15887 | 15907 |
|  |   |               | S/T | 0.40  | 0.47  | 0.54  | 0.54  | 0.62  | 0.43  | 0.50  | 0.57  | 0.57  | 0.65  | 0.45  | 0.53  | 0.61  | 0.61  | 0.69  | 0.48  | 0.57  | 0.64  | 0.64  | 0.73  |
|  |   |               | PI  | 0.52  | 0.52  | 0.52  | 0.52  | 0.52  | 0.55  | 0.55  | 0.55  | 0.55  | 0.55  | 0.58  | 0.58  | 0.59  | 0.59  | 0.59  | 0.62  | 0.62  | 0.62  | 0.62  | 0.62  |
|  |   | 41°F(5.0℃)    | TC  | 12975 | 12993 | 13007 | 13007 | 13025 | 13757 | 13774 | 13787 | 13790 | 13806 | 14579 | 14598 | 14614 | 14617 | 14633 | 15458 | 15474 | 15491 | 15494 | 15513 |
|  |   |               | S/T | 0.41  | 0.48  | 0.54  | 0.54  | 0.62  | 0.43  | 0.50  | 0.57  | 0.57  | 0.65  | 0.46  | 0.53  | 0.61  | 0.61  | 0.69  | 0.48  | 0.57  | 0.64  | 0.64  | 0.73  |
|  |   |               | PI  | 0.55  | 0.55  | 0.55  | 0.56  | 0.56  | 0.59  | 0.59  | 0.59  | 0.59  | 0.59  | 0.62  | 0.62  | 0.62  | 0.62  | 0.62  | 0.66  | 0.66  | 0.66  | 0.66  | 0.66  |
|  |   | 47°F(8.3℃)    | TC  | 12646 | 12663 | 12677 | 12677 | 12694 | 13408 | 13424 | 13437 | 13440 | 13456 | 14209 | 14228 | 14243 | 14246 | 14262 | 15065 | 15082 | 15098 | 15100 | 15119 |
|  |   |               | S/T | 0.41  | 0.48  | 0.54  | 0.54  | 0.62  | 0.43  | 0.51  | 0.57  | 0.57  | 0.66  | 0.46  | 0.54  | 0.61  | 0.61  | 0.69  | 0.48  | 0.57  | 0.65  | 0.65  | 0.74  |

|     |               |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----|---------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 300 | 50°F(10.0℃)   | PI  | 0.59  | 0.59  | 0.59  | 0.59  | 0.59  | 0.62  | 0.62  | 0.62  | 0.62  | 0.62  | 0.66  | 0.66  | 0.66  | 0.66  | 0.66  | 0.70  | 0.70  | 0.70  | 0.70  | 0.70  |
|     |               | TC  | 12873 | 12891 | 12905 | 12905 | 12923 | 13649 | 13665 | 13679 | 13682 | 13698 | 14465 | 14483 | 14500 | 14502 | 14518 | 15336 | 15353 | 15370 | 15372 | 15391 |
|     |               | S/T | 0.41  | 0.48  | 0.54  | 0.54  | 0.62  | 0.43  | 0.51  | 0.58  | 0.58  | 0.66  | 0.46  | 0.54  | 0.61  | 0.61  | 0.70  | 0.49  | 0.57  | 0.65  | 0.65  | 0.74  |
|     | 59°F(15.0℃)   | PI  | 0.60  | 0.60  | 0.60  | 0.60  | 0.60  | 0.64  | 0.64  | 0.64  | 0.64  | 0.64  | 0.68  | 0.68  | 0.68  | 0.68  | 0.68  | 0.72  | 0.72  | 0.72  | 0.72  | 0.72  |
|     |               | TC  | 13555 | 13574 | 13588 | 13589 | 13607 | 14372 | 14389 | 14404 | 14406 | 14424 | 15231 | 15251 | 15268 | 15271 | 15288 | 16149 | 16166 | 16184 | 16186 | 16207 |
|     |               | S/T | 0.41  | 0.48  | 0.55  | 0.55  | 0.62  | 0.44  | 0.51  | 0.58  | 0.58  | 0.66  | 0.46  | 0.54  | 0.62  | 0.62  | 0.70  | 0.49  | 0.57  | 0.65  | 0.65  | 0.74  |
|     | 68°F(20.0℃)   | PI  | 0.64  | 0.64  | 0.65  | 0.65  | 0.65  | 0.68  | 0.68  | 0.68  | 0.68  | 0.69  | 0.72  | 0.72  | 0.73  | 0.73  | 0.73  | 0.77  | 0.77  | 0.77  | 0.77  | 0.77  |
|     |               | TC  | 14238 | 14257 | 14272 | 14273 | 14292 | 15096 | 15113 | 15128 | 15131 | 15149 | 15997 | 16018 | 16036 | 16039 | 16057 | 16961 | 16980 | 16998 | 17001 | 17022 |
|     |               | S/T | 0.42  | 0.49  | 0.56  | 0.56  | 0.64  | 0.45  | 0.52  | 0.60  | 0.60  | 0.68  | 0.47  | 0.56  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.76  |
|     | 77°F(25.0℃)   | PI  | 0.69  | 0.69  | 0.69  | 0.69  | 0.69  | 0.73  | 0.73  | 0.73  | 0.73  | 0.73  | 0.77  | 0.77  | 0.77  | 0.77  | 0.77  | 0.82  | 0.82  | 0.82  | 0.82  | 0.82  |
|     |               | TC  | 14920 | 14940 | 14956 | 14957 | 14977 | 15819 | 15838 | 15853 | 15856 | 15875 | 16764 | 16786 | 16804 | 16808 | 16826 | 17774 | 17793 | 17813 | 17815 | 17838 |
|     |               | S/T | 0.43  | 0.50  | 0.57  | 0.57  | 0.65  | 0.45  | 0.53  | 0.60  | 0.60  | 0.69  | 0.48  | 0.56  | 0.64  | 0.64  | 0.73  | 0.51  | 0.60  | 0.68  | 0.68  | 0.77  |
|     | 82°F(27.8℃)   | PI  | 0.73  | 0.73  | 0.73  | 0.73  | 0.73  | 0.77  | 0.77  | 0.77  | 0.77  | 0.78  | 0.82  | 0.82  | 0.82  | 0.82  | 0.82  | 0.87  | 0.87  | 0.87  | 0.87  | 0.87  |
|     |               | TC  | 14972 | 14992 | 15008 | 15009 | 15029 | 15874 | 15893 | 15909 | 15912 | 15931 | 16823 | 16844 | 16863 | 16866 | 16885 | 17836 | 17856 | 17875 | 17878 | 17900 |
|     |               | S/T | 0.43  | 0.51  | 0.58  | 0.58  | 0.66  | 0.46  | 0.54  | 0.61  | 0.61  | 0.70  | 0.49  | 0.57  | 0.65  | 0.65  | 0.74  | 0.52  | 0.60  | 0.69  | 0.69  | 0.78  |
|     | 86°F(30.0℃)   | PI  | 0.80  | 0.80  | 0.81  | 0.81  | 0.81  | 0.85  | 0.85  | 0.85  | 0.85  | 0.86  | 0.90  | 0.90  | 0.91  | 0.91  | 0.91  | 0.96  | 0.96  | 0.96  | 0.96  | 0.96  |
|     |               | TC  | 14601 | 14621 | 14637 | 14637 | 14657 | 15481 | 15500 | 15515 | 15518 | 15536 | 16406 | 16428 | 16446 | 16449 | 16467 | 17395 | 17414 | 17433 | 17435 | 17457 |
|     |               | S/T | 0.44  | 0.51  | 0.58  | 0.58  | 0.67  | 0.46  | 0.54  | 0.62  | 0.62  | 0.71  | 0.49  | 0.58  | 0.66  | 0.66  | 0.75  | 0.52  | 0.61  | 0.70  | 0.70  | 0.79  |
|     | 95°F(35.0℃)   | PI  | 0.93  | 0.93  | 0.93  | 0.93  | 0.93  | 0.98  | 0.99  | 0.99  | 0.99  | 0.99  | 1.04  | 1.04  | 1.05  | 1.05  | 1.05  | 1.11  | 1.11  | 1.11  | 1.11  | 1.11  |
|     |               | TC  | 13768 | 13786 | 13801 | 13802 | 13820 | 14597 | 14615 | 14629 | 14632 | 14649 | 15469 | 15489 | 15507 | 15510 | 15527 | 16401 | 16419 | 16437 | 16440 | 16460 |
|     |               | S/T | 0.44  | 0.51  | 0.58  | 0.58  | 0.67  | 0.46  | 0.54  | 0.62  | 0.62  | 0.71  | 0.49  | 0.58  | 0.66  | 0.66  | 0.75  | 0.52  | 0.61  | 0.70  | 0.70  | 0.79  |
|     | 104°F(40.0℃)  | PI  | 1.21  | 1.21  | 1.21  | 1.21  | 1.21  | 1.28  | 1.28  | 1.28  | 1.29  | 1.29  | 1.36  | 1.36  | 1.36  | 1.36  | 1.36  | 1.44  | 1.44  | 1.44  | 1.44  | 1.45  |
|     |               | TC  | 11764 | 11780 | 11793 | 11793 | 11809 | 12473 | 12488 | 12500 | 12503 | 12518 | 13219 | 13236 | 13250 | 13253 | 13268 | 14015 | 14030 | 14046 | 14048 | 14065 |
|     |               | S/T | 0.45  | 0.53  | 0.60  | 0.60  | 0.68  | 0.48  | 0.56  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.77  | 0.53  | 0.63  | 0.71  | 0.71  | 0.81  |
|     | 110°F(43.0℃)  | PI  | 1.11  | 1.12  | 1.12  | 1.12  | 1.12  | 1.18  | 1.18  | 1.18  | 1.18  | 1.19  | 1.25  | 1.25  | 1.26  | 1.26  | 1.26  | 1.33  | 1.33  | 1.33  | 1.33  | 1.33  |
|     |               | TC  | 10562 | 10577 | 10588 | 10589 | 10603 | 11199 | 11212 | 11223 | 11226 | 11239 | 11868 | 11883 | 11897 | 11899 | 11912 | 12583 | 12597 | 12611 | 12612 | 12628 |
|     |               | S/T | 0.47  | 0.55  | 0.62  | 0.62  | 0.71  | 0.49  | 0.58  | 0.66  | 0.66  | 0.75  | 0.52  | 0.61  | 0.70  | 0.70  | 0.80  | 0.55  | 0.65  | 0.74  | 0.74  | 0.84  |
|     | 115°F(46.0℃)  | PI  | 1.06  | 1.06  | 1.06  | 1.06  | 1.06  | 1.12  | 1.12  | 1.12  | 1.12  | 1.13  | 1.19  | 1.19  | 1.19  | 1.19  | 1.19  | 1.26  | 1.26  | 1.26  | 1.26  | 1.26  |
|     |               | TC  | 7633  | 7644  | 7652  | 7652  | 7663  | 8093  | 8103  | 8111  | 8113  | 8122  | 8577  | 8588  | 8598  | 8599  | 8609  | 9094  | 9104  | 9114  | 9115  | 9126  |
|     |               | S/T | 0.47  | 0.55  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.76  | 0.53  | 0.62  | 0.71  | 0.71  | 0.80  | 0.56  | 0.66  | 0.75  | 0.75  | 0.85  |
|     | 122°F(50.0℃)  | PI  | 0.86  | 0.86  | 0.86  | 0.86  | 0.86  | 0.91  | 0.91  | 0.91  | 0.91  | 0.91  | 0.97  | 0.97  | 0.97  | 0.97  | 0.97  | 1.02  | 1.02  | 1.03  | 1.03  | 1.03  |
|     |               | TC  | 3728  | 3733  | 3737  | 3737  | 3742  | 3953  | 3958  | 3961  | 3962  | 3967  | 4189  | 4194  | 4199  | 4200  | 4205  | 4441  | 4446  | 4451  | 4452  | 4457  |
|     |               | S/T | 0.48  | 0.57  | 0.64  | 0.64  | 0.73  | 0.51  | 0.60  | 0.68  | 0.68  | 0.78  | 0.54  | 0.64  | 0.72  | 0.72  | 0.82  | 0.57  | 0.67  | 0.77  | 0.77  | 0.87  |
|     | -22°F(-30.0℃) | PI  | 0.59  | 0.59  | 0.60  | 0.60  | 0.60  | 0.63  | 0.63  | 0.63  | 0.63  | 0.63  | 0.67  | 0.67  | 0.67  | 0.67  | 0.67  | 0.71  | 0.71  | 0.71  | 0.71  | 0.71  |
|     |               | TC  | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|     |               | S/T | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|     | -13°F(-25.0℃) | PI  | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|     |               | TC  | 14359 | 14378 | 14394 | 14395 | 14414 | 15224 | 15242 | 15258 | 15261 | 15279 | 16134 | 16155 | 16173 | 16176 | 16194 | 17106 | 17125 | 17143 | 17146 | 17167 |
|     |               | S/T | 0.43  | 0.51  | 0.58  | 0.58  | 0.66  | 0.46  | 0.54  | 0.61  | 0.61  | 0.70  | 0.49  | 0.57  | 0.65  | 0.65  | 0.74  | 0.52  | 0.61  | 0.69  | 0.69  | 0.79  |
|     | -4°F(-20.0℃)  | PI  | 0.57  | 0.57  | 0.57  | 0.57  | 0.57  | 0.60  | 0.60  | 0.60  | 0.60  | 0.60  | 0.64  | 0.64  | 0.64  | 0.64  | 0.64  | 0.67  | 0.67  | 0.67  | 0.68  | 0.68  |
|     |               | TC  | 14417 | 14437 | 14452 | 14453 | 14472 | 15286 | 15304 | 15319 | 15322 | 15341 | 16200 | 16221 | 16239 | 16242 | 16260 | 17176 | 17194 | 17213 | 17216 | 17237 |
|     |               | S/T | 0.44  | 0.51  | 0.58  | 0.58  | 0.66  | 0.46  | 0.54  | 0.62  | 0.62  | 0.70  | 0.49  | 0.58  | 0.65  | 0.65  | 0.75  | 0.52  | 0.61  | 0.69  | 0.69  | 0.79  |
|     | 0°F(-17.8℃)   | PI  | 0.57  | 0.57  | 0.57  | 0.57  | 0.57  | 0.60  | 0.60  | 0.60  | 0.60  | 0.60  | 0.64  | 0.64  | 0.64  | 0.64  | 0.64  | 0.67  | 0.67  | 0.68  | 0.68  | 0.68  |
|     |               | TC  | 14443 | 14463 | 14478 | 14479 | 14498 | 15314 | 15332 | 15347 | 15350 | 15368 | 16229 | 16250 | 16268 | 16271 | 16289 | 17206 | 17225 | 17244 | 17247 | 17268 |
|     |               | S/T | 0.44  | 0.51  | 0.58  | 0.58  | 0.67  | 0.46  | 0.54  | 0.62  | 0.62  | 0.71  | 0.49  | 0.58  | 0.66  | 0.66  | 0.75  | 0.52  | 0.61  | 0.70  | 0.70  | 0.79  |
|     | 5°F(-15.0℃)   | PI  | 0.57  | 0.57  | 0.57  | 0.57  | 0.57  | 0.60  | 0.60  | 0.60  | 0.60  | 0.60  | 0.64  | 0.64  | 0.64  | 0.64  | 0.64  | 0.67  | 0.68  | 0.68  | 0.68  | 0.68  |
|     |               | TC  | 14476 | 14495 | 14511 | 14511 | 14531 | 15348 | 15366 | 15381 | 15384 | 15403 | 16265 | 16286 | 16304 | 16307 | 16326 | 17245 | 17264 | 17283 | 17285 | 17307 |
|     |               | S/T | 0.44  | 0.52  | 0.59  | 0.59  | 0.67  | 0.47  | 0.55  | 0.62  | 0.62  | 0.71  | 0.49  | 0.58  | 0.66  | 0.66  | 0.75  | 0.52  | 0.61  | 0.70  | 0.70  | 0.80  |
|     | 14°F(-10.0℃)  | PI  | 0.57  | 0.57  | 0.57  | 0.57  | 0.57  | 0.60  | 0.60  | 0.60  | 0.60  | 0.60  | 0.64  | 0.64  | 0.64  | 0.64  | 0.64  | 0.67  | 0.68  | 0.68  | 0.68  | 0.68  |
|     |               | TC  | 15092 | 15112 | 15129 | 15129 | 15150 | 16002 | 16021 | 16036 | 16040 | 16059 | 16958 | 16980 | 16999 | 17002 | 17021 | 17979 | 17999 | 18018 | 18021 | 18044 |
|     |               | S/T | 0.44  | 0.52  | 0.59  | 0.59  | 0.67  | 0.47  | 0.55  | 0.62  | 0.62  | 0.71  | 0.50  | 0.58  | 0.66  | 0.66  | 0.75  | 0.53  | 0.62  | 0.70  | 0.70  | 0.80  |
|     | 17°F(-8.3℃)   | PI  | 0.51  | 0.51  | 0.51  | 0.51  | 0.51  | 0.54  | 0.54  | 0.54  | 0.54  | 0.54  | 0.57  | 0.57  | 0.57  | 0.57  | 0.57  | 0.60  | 0.60  | 0.60  | 0.60  | 0.60  |
|     |               | TC  | 15297 | 15318 | 15335 | 15335 | 15356 | 16219 | 16239 | 16255 | 16258 | 16277 | 17188 | 17211 | 17230 | 17233 | 17252 | 18224 | 18244 | 18264 | 18267 | 18289 |
|     |               | S/T | 0.44  | 0.52  | 0.59  | 0.59  | 0.67  | 0.47  | 0.55  | 0.63  | 0.63  | 0.71  | 0.50  | 0.58  | 0.66  | 0.66  | 0.76  | 0.53  | 0.62  | 0.70  | 0.70  | 0.80  |

|     |         |                    |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----|---------|--------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 352 | 1000000 | 23°F<br>(-5.0°C)   | PI  | 0.49  | 0.49  | 0.49  | 0.49  | 0.49  | 0.52  | 0.52  | 0.52  | 0.52  | 0.52  | 0.55  | 0.55  | 0.55  | 0.55  | 0.55  | 0.58  | 0.58  | 0.58  | 0.58  | 0.58  |
|     |         |                    | TC  | 15094 | 15115 | 15131 | 15132 | 15152 | 16004 | 16023 | 16039 | 16042 | 16061 | 16960 | 16982 | 17001 | 17004 | 17023 | 17982 | 18002 | 18021 | 18024 | 18047 |
|     |         |                    | S/T | 0.44  | 0.52  | 0.59  | 0.59  | 0.68  | 0.47  | 0.55  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.76  | 0.53  | 0.62  | 0.71  | 0.71  | 0.80  |
|     |         | 35°F(1.7°C)        | PI  | 0.52  | 0.52  | 0.52  | 0.52  | 0.52  | 0.55  | 0.55  | 0.55  | 0.55  | 0.55  | 0.58  | 0.58  | 0.58  | 0.58  | 0.58  | 0.61  | 0.61  | 0.62  | 0.62  | 0.62  |
|     |         |                    | TC  | 14688 | 14708 | 14724 | 14725 | 14744 | 15574 | 15592 | 15607 | 15610 | 15629 | 16504 | 16525 | 16544 | 16547 | 16565 | 17498 | 17517 | 17536 | 17539 | 17561 |
|     |         |                    | S/T | 0.45  | 0.52  | 0.60  | 0.60  | 0.68  | 0.47  | 0.56  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.76  | 0.53  | 0.62  | 0.71  | 0.71  | 0.81  |
|     |         | 41°F(5.0°C)        | PI  | 0.57  | 0.57  | 0.58  | 0.58  | 0.58  | 0.61  | 0.61  | 0.61  | 0.61  | 0.61  | 0.64  | 0.65  | 0.65  | 0.65  | 0.65  | 0.68  | 0.68  | 0.69  | 0.69  | 0.69  |
|     |         |                    | TC  | 14325 | 14344 | 14359 | 14360 | 14379 | 15188 | 15206 | 15221 | 15224 | 15242 | 16095 | 16116 | 16134 | 16137 | 16155 | 17065 | 17084 | 17102 | 17105 | 17126 |
|     |         |                    | S/T | 0.45  | 0.53  | 0.60  | 0.60  | 0.68  | 0.47  | 0.56  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.76  | 0.53  | 0.63  | 0.71  | 0.71  | 0.81  |
|     |         | 47°F(8.3°C)        | PI  | 0.61  | 0.61  | 0.61  | 0.61  | 0.61  | 0.65  | 0.65  | 0.65  | 0.65  | 0.65  | 0.69  | 0.69  | 0.69  | 0.69  | 0.69  | 0.73  | 0.73  | 0.73  | 0.73  | 0.73  |
|     |         |                    | TC  | 13961 | 13980 | 13995 | 13996 | 14015 | 14803 | 14820 | 14835 | 14838 | 14855 | 15687 | 15707 | 15725 | 15728 | 15745 | 16632 | 16650 | 16668 | 16671 | 16692 |
|     |         |                    | S/T | 0.45  | 0.53  | 0.60  | 0.60  | 0.68  | 0.48  | 0.56  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.77  | 0.53  | 0.63  | 0.71  | 0.71  | 0.81  |
|     |         | 50°F(10.0°C)       | PI  | 0.65  | 0.65  | 0.65  | 0.65  | 0.65  | 0.69  | 0.69  | 0.69  | 0.69  | 0.69  | 0.73  | 0.73  | 0.73  | 0.73  | 0.73  | 0.77  | 0.77  | 0.77  | 0.77  | 0.78  |
|     |         |                    | TC  | 14212 | 14231 | 14247 | 14247 | 14267 | 15069 | 15087 | 15101 | 15104 | 15122 | 15969 | 15990 | 16008 | 16011 | 16028 | 16931 | 16950 | 16968 | 16971 | 16992 |
|     |         |                    | S/T | 0.45  | 0.53  | 0.60  | 0.60  | 0.69  | 0.48  | 0.56  | 0.64  | 0.64  | 0.73  | 0.51  | 0.59  | 0.68  | 0.68  | 0.77  | 0.54  | 0.63  | 0.72  | 0.72  | 0.82  |
|     |         | 59°F(15.0°C)       | PI  | 0.66  | 0.66  | 0.67  | 0.67  | 0.67  | 0.70  | 0.70  | 0.71  | 0.71  | 0.71  | 0.75  | 0.75  | 0.75  | 0.75  | 0.75  | 0.79  | 0.79  | 0.79  | 0.79  | 0.79  |
|     |         |                    | TC  | 14965 | 14985 | 15002 | 15002 | 15022 | 15867 | 15886 | 15902 | 15905 | 15924 | 16815 | 16837 | 16856 | 16859 | 16878 | 17828 | 17848 | 17867 | 17870 | 17892 |
|     |         |                    | S/T | 0.45  | 0.53  | 0.60  | 0.60  | 0.69  | 0.48  | 0.56  | 0.64  | 0.64  | 0.73  | 0.51  | 0.60  | 0.68  | 0.68  | 0.77  | 0.54  | 0.63  | 0.72  | 0.72  | 0.82  |
|     |         | 68°F(20.0°C)       | PI  | 0.71  | 0.71  | 0.71  | 0.71  | 0.71  | 0.75  | 0.75  | 0.76  | 0.76  | 0.76  | 0.80  | 0.80  | 0.80  | 0.80  | 0.80  | 0.85  | 0.85  | 0.85  | 0.85  | 0.85  |
|     |         |                    | TC  | 15718 | 15739 | 15756 | 15757 | 15778 | 16666 | 16685 | 16702 | 16705 | 16725 | 17661 | 17684 | 17704 | 17707 | 17727 | 18725 | 18746 | 18766 | 18769 | 18792 |
|     |         |                    | S/T | 0.47  | 0.55  | 0.62  | 0.62  | 0.71  | 0.49  | 0.58  | 0.66  | 0.66  | 0.75  | 0.52  | 0.61  | 0.70  | 0.70  | 0.80  | 0.55  | 0.65  | 0.74  | 0.74  | 0.84  |
|     |         | 77°F(25.0°C)       | PI  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.80  | 0.80  | 0.81  | 0.81  | 0.81  | 0.85  | 0.85  | 0.85  | 0.85  | 0.85  | 0.90  | 0.90  | 0.90  | 0.90  | 0.91  |
|     |         |                    | TC  | 16471 | 16494 | 16511 | 16512 | 16534 | 17464 | 17485 | 17502 | 17505 | 17526 | 18507 | 18531 | 18552 | 18556 | 18576 | 19623 | 19644 | 19665 | 19668 | 19693 |
|     |         |                    | S/T | 0.47  | 0.55  | 0.63  | 0.63  | 0.72  | 0.50  | 0.59  | 0.67  | 0.67  | 0.76  | 0.53  | 0.62  | 0.71  | 0.71  | 0.81  | 0.56  | 0.66  | 0.75  | 0.75  | 0.85  |
|     |         | 82°F(27.8°C)       | PI  | 0.80  | 0.81  | 0.81  | 0.81  | 0.81  | 0.85  | 0.85  | 0.85  | 0.85  | 0.86  | 0.90  | 0.90  | 0.91  | 0.91  | 0.91  | 0.96  | 0.96  | 0.96  | 0.96  | 0.96  |
|     |         |                    | TC  | 16529 | 16551 | 16569 | 16570 | 16592 | 17525 | 17546 | 17563 | 17567 | 17588 | 18572 | 18596 | 18617 | 18620 | 18641 | 19691 | 19713 | 19734 | 19737 | 19762 |
|     |         |                    | S/T | 0.48  | 0.56  | 0.64  | 0.64  | 0.73  | 0.51  | 0.59  | 0.68  | 0.68  | 0.77  | 0.54  | 0.63  | 0.72  | 0.72  | 0.82  | 0.57  | 0.67  | 0.76  | 0.76  | 0.86  |
|     |         | 86°F(30.0°C)       | PI  | 0.89  | 0.89  | 0.89  | 0.89  | 0.89  | 0.94  | 0.94  | 0.94  | 0.94  | 0.94  | 1.00  | 1.00  | 1.00  | 1.00  | 1.00  | 1.06  | 1.06  | 1.06  | 1.06  | 1.06  |
|     |         |                    | TC  | 16120 | 16142 | 16159 | 16160 | 16182 | 17091 | 17112 | 17129 | 17132 | 17152 | 18113 | 18136 | 18156 | 18160 | 18180 | 19204 | 19225 | 19246 | 19249 | 19273 |
|     |         |                    | S/T | 0.48  | 0.57  | 0.64  | 0.64  | 0.74  | 0.51  | 0.60  | 0.68  | 0.68  | 0.78  | 0.54  | 0.64  | 0.72  | 0.72  | 0.83  | 0.58  | 0.68  | 0.77  | 0.77  | 0.88  |
|     |         | 95°F(35.0°C)       | PI  | 1.02  | 1.03  | 1.03  | 1.03  | 1.03  | 1.09  | 1.09  | 1.09  | 1.09  | 1.09  | 1.15  | 1.15  | 1.15  | 1.15  | 1.16  | 1.22  | 1.22  | 1.22  | 1.22  | 1.23  |
|     |         |                    | TC  | 15199 | 15220 | 15236 | 15237 | 15258 | 16115 | 16135 | 16150 | 16154 | 16173 | 17078 | 17100 | 17120 | 17123 | 17142 | 18107 | 18127 | 18147 | 18150 | 18172 |
|     |         |                    | S/T | 0.48  | 0.57  | 0.64  | 0.64  | 0.74  | 0.51  | 0.60  | 0.68  | 0.68  | 0.78  | 0.54  | 0.64  | 0.72  | 0.72  | 0.83  | 0.58  | 0.68  | 0.77  | 0.77  | 0.88  |
|     |         | 104°F(40.0°C)      | PI  | 1.33  | 1.34  | 1.34  | 1.34  | 1.34  | 1.42  | 1.42  | 1.42  | 1.42  | 1.42  | 1.50  | 1.50  | 1.50  | 1.50  | 1.51  | 1.59  | 1.59  | 1.59  | 1.59  | 1.60  |
|     |         |                    | TC  | 12988 | 13005 | 13019 | 13020 | 13038 | 13771 | 13787 | 13801 | 13803 | 13820 | 14593 | 14612 | 14629 | 14631 | 14648 | 15473 | 15489 | 15506 | 15509 | 15528 |
|     |         |                    | S/T | 0.50  | 0.58  | 0.66  | 0.66  | 0.75  | 0.53  | 0.62  | 0.70  | 0.70  | 0.80  | 0.56  | 0.65  | 0.74  | 0.74  | 0.85  | 0.59  | 0.69  | 0.79  | 0.79  | 0.90  |
|     |         | 110°F(43.0°C)      | PI  | 1.23  | 1.23  | 1.23  | 1.23  | 1.24  | 1.30  | 1.31  | 1.31  | 1.31  | 1.31  | 1.38  | 1.38  | 1.39  | 1.39  | 1.39  | 1.47  | 1.47  | 1.47  | 1.47  | 1.47  |
|     |         |                    | TC  | 11661 | 11677 | 11689 | 11690 | 11706 | 12364 | 12378 | 12391 | 12393 | 12408 | 13102 | 13119 | 13134 | 13136 | 13151 | 13892 | 13907 | 13922 | 13924 | 13942 |
|     |         |                    | S/T | 0.51  | 0.60  | 0.69  | 0.69  | 0.78  | 0.54  | 0.64  | 0.73  | 0.73  | 0.83  | 0.58  | 0.68  | 0.77  | 0.77  | 0.88  | 0.61  | 0.72  | 0.82  | 0.82  | 0.93  |
|     |         | 115°F(46.0°C)      | PI  | 1.17  | 1.17  | 1.17  | 1.17  | 1.17  | 1.24  | 1.24  | 1.24  | 1.24  | 1.24  | 1.31  | 1.31  | 1.32  | 1.32  | 1.32  | 1.39  | 1.39  | 1.39  | 1.39  | 1.40  |
|     |         |                    | TC  | 8427  | 8439  | 8448  | 8448  | 8460  | 8935  | 8946  | 8955  | 8956  | 8967  | 9469  | 9481  | 9492  | 9494  | 9504  | 10040 | 10051 | 10061 | 10063 | 10076 |
|     |         |                    | S/T | 0.52  | 0.61  | 0.69  | 0.69  | 0.79  | 0.55  | 0.65  | 0.73  | 0.73  | 0.84  | 0.58  | 0.69  | 0.78  | 0.78  | 0.89  | 0.62  | 0.73  | 0.83  | 0.83  | 0.94  |
|     |         | 122°F(50.0°C)      | PI  | 0.95  | 0.95  | 0.95  | 0.95  | 0.95  | 1.01  | 1.01  | 1.01  | 1.01  | 1.01  | 1.07  | 1.07  | 1.07  | 1.07  | 1.07  | 1.13  | 1.13  | 1.13  | 1.13  | 1.13  |
|     |         |                    | TC  | 4116  | 4121  | 4126  | 4126  | 4132  | 4364  | 4369  | 4373  | 4374  | 4380  | 4625  | 4631  | 4636  | 4637  | 4642  | 4903  | 4909  | 4914  | 4915  | 4921  |
|     |         |                    | S/T | 0.53  | 0.62  | 0.71  | 0.71  | 0.81  | 0.56  | 0.66  | 0.75  | 0.75  | 0.86  | 0.60  | 0.70  | 0.80  | 0.80  | 0.91  | 0.63  | 0.74  | 0.84  | 0.85  | 0.96  |
|     |         | -22°F<br>(-30.0°C) | PI  | 0.66  | 0.66  | 0.66  | 0.66  | 0.66  | 0.70  | 0.70  | 0.70  | 0.70  | 0.70  | 0.74  | 0.74  | 0.74  | 0.74  | 0.74  | 0.78  | 0.78  | 0.78  | 0.78  | 0.78  |
|     |         |                    | TC  | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|     |         |                    | S/T | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|     |         | -13°F<br>(-25.0°C) | PI  | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     | /     |
|     |         |                    | TC  | 15852 | 15874 | 15891 | 15892 | 15913 | 16808 | 16828 | 16844 | 16848 | 16868 | 17812 | 17835 | 17855 | 17858 | 17878 | 18885 | 18906 | 18926 | 18929 | 18953 |
|     |         |                    | S/T | 0.48  | 0.56  | 0.64  | 0.64  | 0.73  | 0.51  | 0.60  | 0.68  | 0.68  | 0.77  | 0.54  | 0.63  | 0.72  | 0.72  | 0.82  | 0.57  | 0.67  | 0.76  | 0.76  | 0.87  |
|     |         | -4°F<br>(-20.0°C)  | PI  | 0.62  | 0.62  | 0.63  | 0.63  | 0.63  | 0.66  | 0.66  | 0.66  | 0.66  | 0.66  | 0.70  | 0.70  | 0.70  | 0.70  | 0.70  | 0.74  | 0.74  | 0.75  | 0.75  | 0.75  |
|     |         |                    | TC  | 15917 | 15938 | 15955 | 15956 | 15978 | 16876 | 16896 | 16913 | 16916 | 16936 | 17884 | 17908 | 17927 | 17931 | 17951 | 18962 | 18982 | 19003 | 19006 | 19030 |
|     |         |                    | S/T | 0.48  | 0.57  | 0.64  | 0.64  | 0.73  | 0.51  | 0.60  | 0.68  | 0.68  | 0.78  | 0.54  | 0.64  | 0.72  | 0.72  | 0.82  | 0.57  | 0.67  | 0.77  | 0.77  | 0.87  |

|     |                   |     |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-----|-------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 400 | 0°F<br>(-17.8°C)  | PI  | 0.62  | 0.63  | 0.63  | 0.63  | 0.63  | 0.66  | 0.66  | 0.66  | 0.66  | 0.66  | 0.70  | 0.70  | 0.70  | 0.70  | 0.70  | 0.74  | 0.75  | 0.75  | 0.75  | 0.75  |
|     |                   | TC  | 15945 | 15967 | 15984 | 15985 | 16006 | 16906 | 16926 | 16943 | 16946 | 16967 | 17916 | 17940 | 17960 | 17963 | 17983 | 18996 | 19017 | 19037 | 19040 | 19064 |
|     |                   | S/T | 0.48  | 0.57  | 0.64  | 0.64  | 0.73  | 0.51  | 0.60  | 0.68  | 0.68  | 0.78  | 0.54  | 0.64  | 0.72  | 0.72  | 0.83  | 0.58  | 0.68  | 0.77  | 0.77  | 0.88  |
|     |                   | PI  | 0.63  | 0.63  | 0.63  | 0.63  | 0.63  | 0.66  | 0.66  | 0.66  | 0.66  | 0.67  | 0.70  | 0.70  | 0.70  | 0.70  | 0.70  | 0.74  | 0.75  | 0.75  | 0.75  | 0.75  |
|     | 5°F<br>(-15.0°C)  | TC  | 15981 | 16003 | 16020 | 16021 | 16042 | 16944 | 16964 | 16981 | 16984 | 17005 | 17957 | 17980 | 18000 | 18003 | 18023 | 19039 | 19059 | 19080 | 19083 | 19107 |
|     |                   | S/T | 0.49  | 0.57  | 0.65  | 0.65  | 0.74  | 0.51  | 0.60  | 0.69  | 0.69  | 0.78  | 0.55  | 0.64  | 0.73  | 0.73  | 0.83  | 0.58  | 0.68  | 0.77  | 0.77  | 0.88  |
|     |                   | PI  | 0.63  | 0.63  | 0.63  | 0.63  | 0.63  | 0.66  | 0.66  | 0.66  | 0.66  | 0.67  | 0.70  | 0.70  | 0.70  | 0.70  | 0.71  | 0.74  | 0.75  | 0.75  | 0.75  | 0.75  |
|     | 14°F<br>(-10.0°C) | TC  | 16662 | 16684 | 16702 | 16703 | 16725 | 17666 | 17687 | 17704 | 17708 | 17729 | 18721 | 18746 | 18766 | 18770 | 18791 | 19849 | 19871 | 19892 | 19896 | 19920 |
|     |                   | S/T | 0.49  | 0.57  | 0.65  | 0.65  | 0.74  | 0.52  | 0.61  | 0.69  | 0.69  | 0.78  | 0.55  | 0.64  | 0.73  | 0.73  | 0.83  | 0.58  | 0.68  | 0.77  | 0.77  | 0.88  |
|     |                   | PI  | 0.56  | 0.56  | 0.56  | 0.56  | 0.56  | 0.59  | 0.59  | 0.59  | 0.59  | 0.59  | 0.63  | 0.63  | 0.63  | 0.63  | 0.63  | 0.67  | 0.67  | 0.67  | 0.67  | 0.67  |
|     | 17°F<br>(-8.3°C)  | TC  | 16888 | 16911 | 16929 | 16930 | 16953 | 17906 | 17927 | 17945 | 17949 | 17970 | 18976 | 19001 | 19022 | 19025 | 19047 | 20119 | 20141 | 20163 | 20166 | 20191 |
|     |                   | S/T | 0.49  | 0.57  | 0.65  | 0.65  | 0.74  | 0.52  | 0.61  | 0.69  | 0.69  | 0.79  | 0.55  | 0.64  | 0.73  | 0.73  | 0.83  | 0.58  | 0.68  | 0.78  | 0.78  | 0.88  |
|     |                   | PI  | 0.54  | 0.54  | 0.54  | 0.54  | 0.54  | 0.57  | 0.57  | 0.57  | 0.57  | 0.57  | 0.60  | 0.60  | 0.60  | 0.60  | 0.60  | 0.64  | 0.64  | 0.64  | 0.64  | 0.64  |
|     | 23°F<br>(-5.0°C)  | TC  | 16664 | 16687 | 16705 | 16705 | 16728 | 17669 | 17690 | 17707 | 17710 | 17732 | 18724 | 18749 | 18769 | 18773 | 18794 | 19852 | 19874 | 19896 | 19899 | 19923 |
|     |                   | S/T | 0.49  | 0.58  | 0.65  | 0.65  | 0.75  | 0.52  | 0.61  | 0.69  | 0.69  | 0.79  | 0.55  | 0.65  | 0.74  | 0.74  | 0.84  | 0.58  | 0.69  | 0.78  | 0.78  | 0.89  |
|     |                   | PI  | 0.57  | 0.57  | 0.57  | 0.57  | 0.57  | 0.60  | 0.60  | 0.60  | 0.60  | 0.61  | 0.64  | 0.64  | 0.64  | 0.64  | 0.64  | 0.68  | 0.68  | 0.68  | 0.68  | 0.68  |
|     | 35°F(1.7°C)       | TC  | 16216 | 16238 | 16255 | 16256 | 16278 | 17193 | 17214 | 17231 | 17234 | 17254 | 18220 | 18244 | 18264 | 18268 | 18288 | 19318 | 19339 | 19360 | 19363 | 19387 |
|     |                   | S/T | 0.49  | 0.58  | 0.66  | 0.66  | 0.75  | 0.52  | 0.61  | 0.70  | 0.70  | 0.79  | 0.55  | 0.65  | 0.74  | 0.74  | 0.84  | 0.59  | 0.69  | 0.78  | 0.78  | 0.89  |
|     |                   | PI  | 0.63  | 0.63  | 0.64  | 0.64  | 0.64  | 0.67  | 0.67  | 0.67  | 0.67  | 0.67  | 0.71  | 0.71  | 0.71  | 0.71  | 0.71  | 0.75  | 0.76  | 0.76  | 0.76  | 0.76  |
|     | 41°F(5.0°C)       | TC  | 15815 | 15836 | 15853 | 15854 | 15875 | 16768 | 16788 | 16804 | 16807 | 16827 | 17769 | 17793 | 17812 | 17816 | 17836 | 18840 | 18861 | 18881 | 18884 | 18908 |
|     |                   | S/T | 0.49  | 0.58  | 0.66  | 0.66  | 0.75  | 0.52  | 0.61  | 0.70  | 0.70  | 0.80  | 0.56  | 0.65  | 0.74  | 0.74  | 0.84  | 0.59  | 0.69  | 0.78  | 0.78  | 0.89  |
|     |                   | PI  | 0.67  | 0.68  | 0.68  | 0.68  | 0.68  | 0.72  | 0.72  | 0.72  | 0.72  | 0.72  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.80  | 0.80  | 0.81  | 0.81  | 0.81  |
|     | 47°F(8.3°C)       | TC  | 15413 | 15434 | 15451 | 15451 | 15472 | 16342 | 16361 | 16378 | 16381 | 16400 | 17318 | 17341 | 17360 | 17363 | 17383 | 18362 | 18382 | 18402 | 18405 | 18428 |
|     |                   | S/T | 0.50  | 0.58  | 0.66  | 0.66  | 0.75  | 0.53  | 0.62  | 0.70  | 0.70  | 0.80  | 0.56  | 0.65  | 0.74  | 0.74  | 0.85  | 0.59  | 0.69  | 0.79  | 0.79  | 0.90  |
|     |                   | PI  | 0.72  | 0.72  | 0.72  | 0.72  | 0.72  | 0.76  | 0.76  | 0.76  | 0.76  | 0.76  | 0.80  | 0.81  | 0.81  | 0.81  | 0.81  | 0.85  | 0.85  | 0.85  | 0.85  | 0.86  |
|     | 50°F(10.0 °C)     | TC  | 15690 | 15711 | 15728 | 15729 | 15750 | 16636 | 16656 | 16672 | 16675 | 16695 | 17630 | 17653 | 17672 | 17676 | 17695 | 18692 | 18712 | 18733 | 18736 | 18759 |
|     |                   | S/T | 0.50  | 0.58  | 0.66  | 0.66  | 0.76  | 0.53  | 0.62  | 0.70  | 0.70  | 0.80  | 0.56  | 0.66  | 0.75  | 0.75  | 0.85  | 0.59  | 0.70  | 0.79  | 0.79  | 0.90  |
|     |                   | PI  | 0.73  | 0.73  | 0.73  | 0.73  | 0.74  | 0.78  | 0.78  | 0.78  | 0.78  | 0.78  | 0.82  | 0.82  | 0.83  | 0.83  | 0.83  | 0.87  | 0.87  | 0.88  | 0.88  | 0.88  |
|     | 59°F(15.0 °C)     | TC  | 16522 | 16544 | 16562 | 16563 | 16585 | 17517 | 17538 | 17555 | 17559 | 17580 | 18564 | 18588 | 18609 | 18612 | 18633 | 19682 | 19704 | 19725 | 19728 | 19753 |
|     |                   | S/T | 0.50  | 0.59  | 0.67  | 0.67  | 0.76  | 0.53  | 0.62  | 0.71  | 0.71  | 0.81  | 0.56  | 0.66  | 0.75  | 0.75  | 0.86  | 0.60  | 0.70  | 0.80  | 0.80  | 0.91  |
|     |                   | PI  | 0.78  | 0.79  | 0.79  | 0.79  | 0.79  | 0.83  | 0.83  | 0.83  | 0.83  | 0.84  | 0.88  | 0.88  | 0.88  | 0.88  | 0.89  | 0.93  | 0.94  | 0.94  | 0.94  | 0.94  |
|     | 68°F(20.0 °C)     | TC  | 17353 | 17376 | 17395 | 17396 | 17419 | 18399 | 18421 | 18439 | 18443 | 18464 | 19498 | 19523 | 19545 | 19549 | 19571 | 20673 | 20695 | 20718 | 20721 | 20747 |
|     |                   | S/T | 0.51  | 0.60  | 0.69  | 0.69  | 0.78  | 0.54  | 0.64  | 0.73  | 0.73  | 0.83  | 0.58  | 0.68  | 0.77  | 0.77  | 0.88  | 0.61  | 0.72  | 0.82  | 0.82  | 0.93  |
|     |                   | PI  | 0.84  | 0.84  | 0.84  | 0.84  | 0.84  | 0.89  | 0.89  | 0.89  | 0.89  | 0.89  | 0.94  | 0.94  | 0.94  | 0.94  | 0.94  | 1.00  | 1.00  | 1.00  | 1.00  | 1.00  |
|     | 77°F(25.0 °C)     | TC  | 18184 | 18209 | 18229 | 18229 | 18254 | 19280 | 19303 | 19322 | 19326 | 19349 | 20432 | 20459 | 20482 | 20485 | 20508 | 21663 | 21687 | 21711 | 21714 | 21741 |
|     |                   | S/T | 0.52  | 0.61  | 0.69  | 0.69  | 0.79  | 0.55  | 0.65  | 0.74  | 0.74  | 0.84  | 0.59  | 0.69  | 0.78  | 0.78  | 0.89  | 0.62  | 0.73  | 0.83  | 0.83  | 0.94  |
|     |                   | PI  | 0.89  | 0.89  | 0.89  | 0.89  | 0.89  | 0.94  | 0.94  | 0.94  | 0.94  | 0.94  | 1.00  | 1.00  | 1.00  | 1.00  | 1.00  | 1.06  | 1.06  | 1.06  | 1.06  | 1.06  |
|     | 82°F(27.8 °C)     | TC  | 18248 | 18273 | 18292 | 18293 | 18318 | 19348 | 19371 | 19390 | 19394 | 19417 | 20504 | 20530 | 20553 | 20557 | 20580 | 21739 | 21763 | 21786 | 21790 | 21817 |
|     |                   | S/T | 0.53  | 0.62  | 0.70  | 0.70  | 0.80  | 0.56  | 0.66  | 0.75  | 0.75  | 0.85  | 0.59  | 0.70  | 0.79  | 0.79  | 0.90  | 0.63  | 0.74  | 0.84  | 0.84  | 0.95  |
|     |                   | PI  | 0.98  | 0.98  | 0.98  | 0.98  | 0.98  | 1.04  | 1.04  | 1.04  | 1.04  | 1.04  | 1.10  | 1.10  | 1.10  | 1.10  | 1.10  | 1.17  | 1.17  | 1.17  | 1.17  | 1.17  |
|     | 86°F(30.0 °C)     | TC  | 17796 | 17820 | 17840 | 17840 | 17864 | 18869 | 18891 | 18910 | 18914 | 18936 | 19996 | 20022 | 20045 | 20048 | 20071 | 21201 | 21224 | 21247 | 21251 | 21277 |
|     |                   | S/T | 0.53  | 0.63  | 0.71  | 0.71  | 0.81  | 0.57  | 0.66  | 0.75  | 0.75  | 0.86  | 0.60  | 0.70  | 0.80  | 0.80  | 0.91  | 0.64  | 0.75  | 0.85  | 0.85  | 0.97  |
|     |                   | PI  | 1.13  | 1.13  | 1.13  | 1.13  | 1.14  | 1.20  | 1.20  | 1.20  | 1.20  | 1.20  | 1.27  | 1.27  | 1.27  | 1.27  | 1.28  | 1.35  | 1.35  | 1.35  | 1.35  | 1.35  |
|     | 95°F(35.0 °C)     | TC  | 16780 | 16803 | 16821 | 16822 | 16844 | 17792 | 17813 | 17830 | 17834 | 17855 | 18854 | 18879 | 18900 | 18904 | 18925 | 19990 | 20012 | 20034 | 20037 | 20062 |
|     |                   | S/T | 0.53  | 0.63  | 0.71  | 0.71  | 0.81  | 0.57  | 0.66  | 0.75  | 0.75  | 0.86  | 0.60  | 0.70  | 0.80  | 0.80  | 0.91  | 0.64  | 0.75  | 0.85  | 0.85  | 0.97  |
|     |                   | PI  | 1.47  | 1.48  | 1.48  | 1.48  | 1.48  | 1.56  | 1.56  | 1.57  | 1.57  | 1.57  | 1.66  | 1.66  | 1.66  | 1.66  | 1.66  | 1.76  | 1.76  | 1.76  | 1.76  | 1.76  |
|     | 104°F(40.0 °C)    | TC  | 14339 | 14358 | 14373 | 14374 | 14393 | 15203 | 15221 | 15236 | 15239 | 15257 | 16111 | 16132 | 16150 | 16153 | 16171 | 17082 | 17100 | 17119 | 17122 | 17143 |
|     |                   | S/T | 0.55  | 0.64  | 0.73  | 0.73  | 0.83  | 0.58  | 0.68  | 0.77  | 0.77  | 0.88  | 0.62  | 0.72  | 0.82  | 0.82  | 0.93  | 0.65  | 0.76  | 0.87  | 0.87  | 0.99  |
|     |                   | PI  | 1.36  | 1.36  | 1.36  | 1.36  | 1.36  | 1.44  | 1.44  | 1.44  | 1.44  | 1.45  | 1.53  | 1.53  | 1.53  | 1.53  | 1.53  | 1.62  | 1.62  | 1.62  | 1.62  | 1.62  |
|     | 110°F(43.0 °C)    | TC  | 12874 | 12891 | 12905 | 12906 | 12923 | 13650 | 13666 | 13679 | 13682 | 13698 | 14465 | 14484 | 14500 | 14503 | 14519 | 15337 | 15353 | 15370 | 15372 | 15392 |
|     |                   | S/T | 0.57  | 0.67  | 0.76  | 0.76  | 0.86  | 0.60  | 0.71  | 0.80  | 0.80  | 0.91  | 0.64  | 0.75  | 0.85  | 0.85  | 0.97  | 0.68  | 0.79  | 0.90  | 0.90  | 1.00  |
|     |                   | PI  | 1.29  | 1.29  | 1.29  | 1.29  | 1.29  | 1.37  | 1.37  | 1.37  | 1.37  | 1.37  | 1.45  | 1.45  | 1.45  | 1.45  | 1.45  | 1.54  | 1.54  | 1.54  | 1.54  | 1.54  |
|     | 115°F(46.0 °C)    | TC  | 9304  | 9316  | 9326  | 9327  | 9339  | 9865  | 9876  | 9886  | 9888  | 9900  | 10454 | 10467 | 10479 | 10481 | 10493 | 11084 | 11096 | 11108 | 11110 | 11123 |
|     |                   | S/T | 0.57  | 0.67  | 0.77  | 0.77  | 0.87  | 0.61  | 0.71  | 0.81  | 0.81  | 0.92  | 0.65  | 0.76  | 0.86  | 0.86  | 0.98  | 0.68  | 0.80  | 0.91  | 0.91  | 1.00  |

|  |               |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|---------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  |               | PI  | 1.05 | 1.05 | 1.05 | 1.05 | 1.05 | 1.11 | 1.11 | 1.11 | 1.11 | 1.11 | 1.18 | 1.18 | 1.18 | 1.18 | 1.18 | 1.25 | 1.25 | 1.25 | 1.25 | 1.25 |
|  | 122°F(50.0°C) | TC  | 4544 | 4550 | 4555 | 4555 | 4561 | 4818 | 4824 | 4828 | 4829 | 4835 | 5106 | 5112 | 5118 | 5119 | 5125 | 5413 | 5419 | 5425 | 5426 | 5433 |
|  |               | S/T | 0.59 | 0.69 | 0.78 | 0.78 | 0.89 | 0.62 | 0.73 | 0.83 | 0.83 | 0.95 | 0.66 | 0.77 | 0.88 | 0.88 | 1.00 | 0.70 | 0.82 | 0.93 | 0.93 | 1.00 |
|  |               | PI  | 0.72 | 0.72 | 0.73 | 0.73 | 0.73 | 0.77 | 0.77 | 0.77 | 0.77 | 0.77 | 0.81 | 0.81 | 0.82 | 0.82 | 0.82 | 0.86 | 0.86 | 0.86 | 0.86 | 0.87 |

TC:Total Cooling Capacity (BTU/hr)  
S/T:Sensible Cooling Capacity Ratio  
PI:Power Input(kW)  
Extrapolatred Data  
The data highlighed in green are tested, other data are simulated and for reference only