

CBLE-24 / 4-PIPE COOLING

| Nominal Length ft | Nozzle Size | Primary Air | | | Sound NC | Coil Sensible Cooling (Btu/h) | | | | | | | | Induction ratio | Throw ft. | | | | |
|-------------------|-------------|-------------|-----------|-----------|----------|-------------------------------|-------|---------|-------|---------|-------|---------|-------|-----------------|-----------|------------|------------|-------------|--------------|
| | | Inlet Dia. | Flow Rate | Inlet ΔPS | | 1.0 GPM | | 2.0 GPM | | 3.0 GPM | | 4.0 GPM | | | | | | | |
| | | Inches | CFM | (in. H2O) | | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | | | | | | |
| 4 | B1 | 4 | 15 | 0.25 | 15 | 1659 | 0.70 | | 2.90 | 6.40 | 1.50 | 1897 | 1961 | 2010 | 5.9 | 0 - 1 - 4 | | | |
| | | | 20 | 0.44 | 15 | 2118 | | | | | | 2455 | 2553 | 2631 | | 1 - 2 - 7 | | | |
| | | | 25 | 0.68 | 15 | 2478 | | | | | | 2899 | 3024 | 3100 | | 1 - 3 - 10 | | | |
| | B2 | 4 | 20 | 0.17 | 15 | 1685 | | | | | | 1916 | 1983 | 2039 | | 4.8 | 1 - 1 - 5 | | |
| | | | 30 | 0.39 | 15 | 2308 | | | | | | 2665 | 2770 | 2836 | | | 1 - 3 - 10 | | |
| | | | 40 | 0.69 | 22 | 2893 | | | | | | 3437 | 3592 | 3713 | | | 2 - 5 - 14 | | |
| | B3 | 5 | 40 | 0.19 | 15 | 2260 | | | | | | 2571 | 2667 | 2718 | | | 4.0 | 2 - 4 - 12 | |
| | | | 60 | 0.43 | 23 | 3264 | | | | | | 3820 | 3995 | 4136 | | | | 4 - 8 - 18 | |
| | | | 80 | 0.77 | 30 | 4278 | | | | | | 4953 | 5218 | 5364 | | | | 7 - 12 - 21 | |
| | B4 | 6 | 70 | 0.19 | 19 | 3063 | | | | | | 3442 | 3554 | 3628 | | | | 2.5 | 2 - 6 - 14 |
| | | | 105 | 0.44 | 29 | 4537 | | | | | | 5125 | 5340 | 5484 | | | | | 6 - 11 - 20 |
| | | | 140 | 0.75 | 22 | 5772 | | | | | | 6566 | 6869 | 7025 | | | | | 10 - 14 - 23 |
| 6 | B1 | 4 | 20 | 0.18 | 15 | 2272 | 1.00 | | 4.10 | 9.30 | 2.10 | 2664 | 2802 | 2809 | 5.9 | | | | 0 - 1 - 4 |
| | | | 30 | 0.41 | 15 | 2919 | | | | | | 3497 | 3673 | 3770 | | | | | 1 - 2 - 9 |
| | | | 40 | 0.72 | 22 | 3651 | | | | | | 4427 | 4708 | 4812 | | | | | 2 - 4 - 13 |
| | B2 | 5 | 30 | 0.16 | 15 | 2382 | | | | | | 2793 | 2918 | 2977 | | 4.8 | | | 1 - 2 - 6 |
| | | | 45 | 0.36 | 16 | 3269 | | | | | | 3882 | 4095 | 4171 | | | | | 2 - 3 - 12 |
| | | | 60 | 0.64 | 24 | 4224 | | | | | | 5095 | 5415 | 5577 | | | | | 3 - 6 - 17 |
| | B3 | 6 | 60 | 0.18 | 16 | 3229 | | | | | | 3771 | 3968 | 4042 | | | 4.0 | | 2 - 5 - 14 |
| | | | 90 | 0.40 | 26 | 4816 | | | | | | 5732 | 6062 | 6287 | | | | | 5 - 10 - 21 |
| | | | 120 | 0.72 | 33 | 5893 | | | | | | 7001 | 7469 | 7778 | | | | | 8 - 14 - 26 |
| | B4 | 10* | 105 | 0.18 | 15 | 4435 | | | | | | 5061 | 5294 | 5392 | | | | 2.5 | 3 - 7 - 18 |
| | | | 160 | 0.42 | 21 | 6587 | | | | | | 7633 | 7997 | 8266 | | | | | 7 - 13 - 25 |
| | | | 215 | 0.76 | 29 | 8266 | | | | | | 9466 | 10075 | 10430 | | | | | 12 - 18 - 29 |
| 8 | B1 | 4 | 25 | 0.15 | 15 | 2902 | 1.40 | | 5.40 | 1.60 | 2.80 | 3425 | 3635 | 3715 | 5.9 | | | | 0 - 1 - 4 |
| | | | 40 | 0.40 | 20 | 3883 | | | | | | 4757 | 5055 | 5216 | | | | | 1 - 2 - 10 |
| | | | 55 | 0.73 | 22 | 4607 | | | | | | 5752 | 6174 | 6387 | | | | | 2 - 5 - 16 |
| | B2 | 5 | 40 | 0.16 | 15 | 3258 | | | | | | 3871 | 4096 | 4201 | | 4.8 | | | 1 - 2 - 7 |
| | | | 60 | 0.35 | 22 | 4057 | | | | | | 4973 | 5276 | 5453 | | | | | 2 - 4 - 14 |
| | | | 80 | 0.62 | 30 | 5198 | | | | | | 6368 | 6834 | 7094 | | | | | 3 - 7 - 19 |
| | B3 | 8 | 80 | 0.17 | 15 | 4056 | | | | | | 4833 | 5116 | 5262 | | | 4.0 | | 2 - 5 - 16 |
| | | | 120 | 0.38 | 18 | 6027 | | | | | | 7218 | 7732 | 8089 | | | | | 5 - 12 - 25 |
| | | | 160 | 0.68 | 25 | 7317 | | | | | | 8833 | 9613 | 10122 | | | | | 9 - 16 - 30 |
| | B4 | 10* | 145 | 0.19 | 17 | 5811 | | | | | | 6710 | 7062 | 7244 | | | | 2.5 | 4 - 8 - 21 |
| | | | 215 | 0.42 | 27 | 8378 | | | | | | 9726 | 10376 | 10811 | | | | | 8 - 16 - 29 |
| | | | 285 | 0.74 | 34 | 10363 | | | | | | 12121 | 12992 | 13567 | | | | | 14 - 21 - 33 |
| 10 | B1 | 5 | 35 | 0.19 | 15 | 3718 | 1.70 | | 6.70 | 1.90 | 3.40 | 4526 | 4862 | 5002 | 5.9 | | | | 1 - 1 - 5 |
| | | | 52 | 0.41 | 20 | 4618 | | | | | | 5753 | 6216 | 6463 | | | | | 1 - 3 - 12 |
| | | | 69 | 0.73 | 27 | 5322 | | | | | | 6772 | 7399 | 7720 | | | | | 2 - 5 - 18 |
| | B2 | 6 | 55 | 0.22 | 16 | 4288 | | | | | | 5263 | 5638 | 5838 | | 4.8 | | | 1 - 2 - 9 |
| | | | 80 | 0.39 | 24 | 4974 | | | | | | 6120 | 6631 | 6899 | | | | | 2 - 5 - 17 |
| | | | 105 | 0.67 | 31 | 6195 | | | | | | 7894 | 8616 | 9044 | | | | | 4 - 9 - 22 |
| | B3 | 8 | 100 | 0.17 | 15 | 4772 | | | | | | 5739 | 6161 | 6378 | | | 4.0 | | 3 - 6 - 18 |
| | | | 150 | 0.37 | 22 | 6870 | | | | | | 8544 | 9283 | 9793 | | | | | 6 - 13 - 28 |
| | | | 200 | 0.66 | 30 | 8415 | | | | | | 10363 | 11449 | 12170 | | | | | 10 - 18 - 33 |
| | B4 | 10* | 180 | 0.19 | 21 | 6792 | | | | | | 7988 | 8491 | 8753 | | | | 2.5 | 4 - 9 - 23 |
| | | | 240 | 0.36 | 30 | 9238 | | | | | | 10997 | 11824 | 12382 | | | | | 7 - 15 - 30 |
| | | | 300 | 0.52 | 35 | 10634 | | | | | | 12539 | 13613 | 14322 | | | | | 11 - 19 - 34 |

Note: Reference page U38 for operational conditions used for performance notes

CBLE-24 / 4-PIPE HEATING

| Nominal Length ft | Nozzle Size | Primary Air | | | Sound NC | Coil Heating (Btu/h) | | | | | | | | Induction ratio | Throw ft. | | | |
|-------------------|-------------|-------------|-----------|-----------|----------|----------------------|-------|---------|-------|---------|-------|---------|-------|-----------------|------------|------------|-------------|--------------|
| | | Inlet Dia. | Flow Rate | Inlet ΔPS | | 1.0 GPM | | 2.0 GPM | | 3.0 GPM | | 4.0 GPM | | | | | | |
| | | Inches | CFM | (in. H2O) | | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | | | | | |
| 4 | B1 | 4 | 15 | 0.25 | 15 | 2718 | 0.16 | 0.63 | 1.41 | 2.51 | 3248 | 3390 | 3500 | 5.9 | 0 - 1 - 4 | | | |
| | | | 20 | 0.44 | 15 | 3417 | | | | | 4166 | 4384 | 4557 | | 1 - 2 - 7 | | | |
| | | | 25 | 0.68 | 15 | 3895 | | | | | 4829 | 5108 | 5276 | | 1 - 3 - 10 | | | |
| | B2 | 4 | 20 | 0.17 | 15 | 2454 | | | | | 2968 | 3118 | 3242 | | 4.8 | 1 - 1 - 5 | | |
| | | | 30 | 0.39 | 15 | 3195 | | | | | 3987 | 4221 | 4368 | | | 1 - 3 - 10 | | |
| | | | 40 | 0.69 | 22 | 3848 | | | | | 5057 | 5402 | 5672 | | | 2 - 5 - 14 | | |
| | B3 | 5 | 40 | 0.19 | 15 | 2442 | | | | | 3133 | 3348 | 3459 | | | 4 | 2 - 4 - 12 | |
| | | | 60 | 0.43 | 23 | 3383 | | | | | 4619 | 5007 | 5320 | | | | 4 - 8 - 18 | |
| | | | 80 | 0.77 | 30 | 4346 | | | | | 5848 | 6435 | 6760 | | | | 7 - 12 - 21 | |
| | B4 | 6 | 70 | 0.19 | 19 | 2291 | | | | | 3133 | 3384 | 3548 | | | | 2.5 | 2 - 6 - 14 |
| | | | 105 | 0.44 | 29 | 3311 | | | | | 4617 | 5094 | 5415 | | | | | 6 - 11 - 20 |
| | | | 140 | 0.75 | 22 | 3798 | | | | | 5561 | 6236 | 6582 | | | | | 10 - 14 - 23 |
| 6 | B1 | 4 | 20 | 0.18 | 15 | 3758 | 0.23 | 0.92 | 2.06 | 3.67 | 4631 | 4936 | 4952 | 5.9 | | | | 0 - 1 - 4 |
| | | | 30 | 0.41 | 15 | 4551 | | | | | 5836 | 6227 | 6442 | | | | | 1 - 2 - 9 |
| | | | 40 | 0.72 | 22 | 5534 | | | | | 7258 | 7883 | 8115 | | | | | 2 - 4 - 13 |
| | B2 | 5 | 30 | 0.16 | 15 | 3360 | | | | | 4273 | 4549 | 4681 | | 4.8 | | | 1 - 2 - 6 |
| | | | 45 | 0.36 | 16 | 4363 | | | | | 5725 | 6197 | 6366 | | | | | 2 - 3 - 12 |
| | | | 60 | 0.64 | 24 | 5516 | | | | | 7451 | 8164 | 8524 | | | | | 3 - 6 - 17 |
| | B3 | 6 | 60 | 0.18 | 16 | 3306 | | | | | 4509 | 4949 | 5113 | | | 4 | | 2 - 5 - 14 |
| | | | 90 | 0.40 | 26 | 4897 | | | | | 6933 | 7666 | 8167 | | | | | 5 - 10 - 21 |
| | | | 120 | 0.72 | 33 | 5355 | | | | | 7817 | 8859 | 9544 | | | | | 8 - 14 - 26 |
| | B4 | 10* | 105 | 0.18 | 15 | 3083 | | | | | 4475 | 4992 | 5210 | | | | 2.5 | 3 - 7 - 18 |
| | | | 160 | 0.42 | 21 | 4318 | | | | | 6642 | 7453 | 8050 | | | | | 7 - 13 - 25 |
| | | | 215 | 0.76 | 29 | 4502 | | | | | 7170 | 8523 | 9311 | | | | | 12 - 18 - 29 |
| 8 | B1 | 4 | 25 | 0.15 | 15 | 4836 | 0.30 | 1.21 | 2.71 | 4.83 | 5998 | 6466 | 6642 | 5.9 | | | | 0 - 1 - 4 |
| | | | 40 | 0.40 | 20 | 6048 | | | | | 7992 | 8652 | 9011 | | | | | 1 - 2 - 10 |
| | | | 55 | 0.73 | 22 | 6690 | | | | | 9235 | 10173 | 10646 | | | | | 2 - 5 - 16 |
| | B2 | 5 | 40 | 0.16 | 15 | 4661 | | | | | 6022 | 6522 | 6755 | | 4.8 | | | 1 - 2 - 7 |
| | | | 60 | 0.35 | 22 | 5145 | | | | | 7181 | 7855 | 8248 | | | | | 2 - 4 - 14 |
| | | | 80 | 0.62 | 30 | 6391 | | | | | 8991 | 10026 | 10605 | | | | | 3 - 7 - 19 |
| | B3 | 8 | 80 | 0.17 | 15 | 3853 | | | | | 5581 | 6210 | 6533 | | | 4 | | 2 - 5 - 16 |
| | | | 120 | 0.38 | 18 | 5653 | | | | | 8300 | 9443 | 10236 | | | | | 5 - 12 - 25 |
| | | | 160 | 0.68 | 25 | 5941 | | | | | 9309 | 11042 | 12175 | | | | | 9 - 16 - 30 |
| | B4 | 10* | 145 | 0.19 | 17 | 3560 | | | | | 5558 | 6342 | 6746 | | | | 2.5 | 4 - 8 - 21 |
| | | | 215 | 0.42 | 27 | 4751 | | | | | 7747 | 9191 | 10157 | | | | | 8 - 16 - 29 |
| | | | 285 | 0.74 | 34 | 4647 | | | | | 8554 | 10490 | 11767 | | | | | 14 - 21 - 33 |
| 10 | B1 | 5 | 35 | 0.19 | 15 | 6005 | 0.37 | 1.50 | 3.37 | 5.98 | 7801 | 8548 | 8859 | 5.9 | | | | 1 - 1 - 5 |
| | | | 52 | 0.41 | 20 | 6908 | | | | | 9430 | 10459 | 11009 | | | | | 1 - 3 - 12 |
| | | | 69 | 0.73 | 27 | 7376 | | | | | 10598 | 11993 | 12704 | | | | | 2 - 5 - 18 |
| | B2 | 6 | 55 | 0.22 | 16 | 5660 | | | | | 7826 | 8660 | 9103 | | 4.8 | | | 1 - 2 - 9 |
| | | | 80 | 0.39 | 24 | 5893 | | | | | 8440 | 9577 | 10171 | | | | | 2 - 5 - 17 |
| | | | 105 | 0.67 | 31 | 6994 | | | | | 10769 | 12374 | 13325 | | | | | 4 - 9 - 22 |
| | B3 | 8 | 100 | 0.17 | 15 | 4155 | | | | | 6303 | 7241 | 7723 | | | 4 | | 3 - 6 - 18 |
| | | | 150 | 0.37 | 22 | 5591 | | | | | 9313 | 10955 | 12088 | | | | | 6 - 13 - 28 |
| | | | 200 | 0.66 | 30 | 5801 | | | | | 10129 | 12542 | 14144 | | | | | 10 - 18 - 33 |
| | B4 | 10* | 180 | 0.19 | 21 | 3484 | | | | | 6142 | 7260 | 7841 | | | | 2.5 | 4 - 9 - 23 |
| | | | 240 | 0.36 | 30 | 4405 | | | | | 8314 | 10150 | 11392 | | | | | 7 - 15 - 30 |
| | | | 300 | 0.52 | 35 | 4283 | | | | | 8516 | 10901 | 12478 | | | | | 11 - 19 - 34 |



Note: Reference page U38 for operational conditions used for performance notes

CBLE-24 / 2-PIPE COOLING

| Nominal Length ft | Nozzle Size | Primary Air | | | Sound NC | Coil Sensible Cooling (Btu/h) | | | | | | | | Induction ratio | Throw ft. | | | | |
|-------------------|-------------|-------------|-----------|-----------|----------|-------------------------------|-------|---------|-------|---------|-------|---------|-------|-----------------|-----------|------------|------------|-------------|--------------|
| | | Inlet Dia. | Flow Rate | Inlet ΔPS | | 1.0 GPM | | 2.0 GPM | | 3.0 GPM | | 4.0 GPM | | | | | | | |
| | | Inches | CFM | (in. H2O) | | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | | | | | | |
| 4 | B1 | 4 | 15 | 0.25 | 15 | 1747 | 1.00 | | 3.80 | 8.60 | 1.90 | 2002 | 2070 | 2123 | 5.9 | 0 - 1 - 4 | | | |
| | | | 20 | 0.44 | 15 | 2230 | | | | | | 2590 | 2694 | 2777 | | 1 - 2 - 7 | | | |
| | | | 25 | 0.68 | 15 | 2607 | | | | | | 3056 | 3190 | 3270 | | 1 - 3 - 10 | | | |
| | B2 | 4 | 20 | 0.17 | 15 | 1768 | | | | | | 2015 | 2087 | 2146 | | 4.8 | 1 - 1 - 5 | | |
| | | | 30 | 0.39 | 15 | 2419 | | | | | | 2799 | 2911 | 2982 | | | 1 - 3 - 10 | | |
| | | | 40 | 0.69 | 22 | 3027 | | | | | | 3608 | 3774 | 3903 | | | 2 - 5 - 14 | | |
| | B3 | 5 | 40 | 0.19 | 15 | 2353 | | | | | | 2684 | 2787 | 2841 | | | 4.0 | 2 - 4 - 12 | |
| | | | 60 | 0.43 | 23 | 3395 | | | | | | 3988 | 4174 | 4325 | | | | 4 - 8 - 18 | |
| | | | 80 | 0.77 | 30 | 4447 | | | | | | 5168 | 5450 | 5606 | | | | 7 - 12 - 21 | |
| | B4 | 6 | 70 | 0.19 | 19 | 3166 | | | | | | 3570 | 3690 | 3769 | | | | 2.5 | 2 - 6 - 14 |
| | | | 105 | 0.44 | 29 | 4688 | | | | | | 5315 | 5544 | 5698 | | | | | 6 - 11 - 20 |
| | | | 140 | 0.75 | 22 | 5955 | | | | | | 6801 | 7125 | 7291 | | | | | 10 - 14 - 23 |
| 6 | B1 | 4 | 20 | 0.18 | 15 | 2394 | 1.40 | | 5.50 | 1.60 | 2.80 | 2813 | 2960 | 2967 | 5.9 | | | | 0 - 1 - 4 |
| | | | 30 | 0.41 | 15 | 3070 | | | | | | 3687 | 3874 | 3978 | | | | | 1 - 2 - 9 |
| | | | 40 | 0.72 | 22 | 3837 | | | | | | 4664 | 4964 | 5075 | | | | | 2 - 4 - 13 |
| | B2 | 5 | 30 | 0.16 | 15 | 2498 | | | | | | 2936 | 3069 | 3132 | | 4.8 | | | 1 - 2 - 6 |
| | | | 45 | 0.36 | 16 | 3422 | | | | | | 4076 | 4303 | 4384 | | | | | 2 - 3 - 12 |
| | | | 60 | 0.64 | 24 | 4419 | | | | | | 5347 | 5690 | 5862 | | | | | 3 - 6 - 17 |
| | B3 | 6 | 60 | 0.18 | 16 | 3358 | | | | | | 3935 | 4146 | 4225 | | | 4.0 | | 2 - 5 - 14 |
| | | | 90 | 0.40 | 26 | 5006 | | | | | | 5984 | 6336 | 6576 | | | | | 5 - 10 - 21 |
| | | | 120 | 0.72 | 33 | 6112 | | | | | | 7294 | 7794 | 8122 | | | | | 8 - 14 - 26 |
| | B4 | 10* | 105 | 0.18 | 15 | 4578 | | | | | | 5247 | 5495 | 5600 | | | | 2.5 | 3 - 7 - 18 |
| | | | 160 | 0.42 | 21 | 6795 | | | | | | 7910 | 8299 | 8586 | | | | | 7 - 13 - 25 |
| | | | 215 | 0.76 | 29 | 8506 | | | | | | 9787 | 10436 | 10815 | | | | | 12 - 18 - 29 |
| 8 | B1 | 4 | 25 | 0.15 | 15 | 3059 | 1.80 | | 7.20 | 2.10 | 3.70 | 3617 | 3842 | 3926 | 5.9 | | | | 0 - 1 - 4 |
| | | | 40 | 0.40 | 20 | 4084 | | | | | | 5016 | 5334 | 5506 | | | | | 1 - 2 - 10 |
| | | | 55 | 0.73 | 22 | 4834 | | | | | | 6056 | 6506 | 6733 | | | | | 2 - 5 - 16 |
| | B2 | 5 | 40 | 0.16 | 15 | 3418 | | | | | | 4071 | 4311 | 4423 | | 4.8 | | | 1 - 2 - 7 |
| | | | 60 | 0.35 | 22 | 4241 | | | | | | 5218 | 5541 | 5730 | | | | | 2 - 4 - 14 |
| | | | 80 | 0.62 | 30 | 5429 | | | | | | 6677 | 7173 | 7452 | | | | | 3 - 7 - 19 |
| | B3 | 8 | 80 | 0.17 | 15 | 4210 | | | | | | 5040 | 5342 | 5497 | | | 4.0 | | 2 - 5 - 16 |
| | | | 120 | 0.38 | 18 | 6255 | | | | | | 7526 | 8074 | 8455 | | | | | 5 - 12 - 25 |
| | | | 160 | 0.68 | 25 | 7574 | | | | | | 9190 | 10022 | 10566 | | | | | 9 - 16 - 30 |
| | B4 | 10* | 145 | 0.19 | 17 | 5988 | | | | | | 6947 | 7323 | 7517 | | | | 2.5 | 4 - 8 - 21 |
| | | | 215 | 0.42 | 27 | 8626 | | | | | | 10063 | 10757 | 11220 | | | | | 8 - 16 - 29 |
| | | | 285 | 0.74 | 34 | 10641 | | | | | | 12517 | 13446 | 14059 | | | | | 14 - 21 - 33 |
| 10 | B1 | 5 | 35 | 0.19 | 15 | 3915 | 2.20 | | 8.90 | 2.60 | 4.60 | 4777 | 5136 | 5285 | 5.9 | | | | 1 - 1 - 5 |
| | | | 52 | 0.41 | 20 | 4850 | | | | | | 6061 | 6555 | 6819 | | | | | 1 - 3 - 12 |
| | | | 69 | 0.73 | 27 | 5577 | | | | | | 7124 | 7793 | 8134 | | | | | 2 - 5 - 18 |
| | B2 | 6 | 55 | 0.18 | 15 | 4274 | | | | | | 5255 | 5625 | 5815 | | 4.8 | | | 1 - 2 - 9 |
| | | | 80 | 0.39 | 24 | 5190 | | | | | | 6412 | 6958 | 7243 | | | | | 2 - 5 - 17 |
| | | | 105 | 0.67 | 31 | 6456 | | | | | | 8268 | 9038 | 9495 | | | | | 4 - 9 - 22 |
| | B3 | 8 | 100 | 0.17 | 15 | 4946 | | | | | | 5977 | 6427 | 6658 | | | 4.0 | | 3 - 6 - 18 |
| | | | 150 | 0.37 | 22 | 7110 | | | | | | 8897 | 9685 | 10229 | | | | | 6 - 13 - 28 |
| | | | 200 | 0.66 | 30 | 8687 | | | | | | 10764 | 11922 | 12692 | | | | | 10 - 18 - 33 |
| | B4 | 10* | 180 | 0.19 | 21 | 6985 | | | | | | 8260 | 8797 | 9076 | | | | 2.5 | 4 - 9 - 23 |
| | | | 240 | 0.33 | 29 | 9205 | | | | | | 11057 | 11874 | 12438 | | | | | 7 - 15 - 30 |
| | | | 300 | 0.52 | 35 | 10909 | | | | | | 12941 | 14086 | 14843 | | | | | 11 - 19 - 34 |

Note: Reference page U38 for operational conditions used for performance notes

CBLE-24 / 2-PIPE HEATING

| Nominal Length ft | Nozzle Size | Primary Air | | | Sound NC | Coil Heating (Btu/h) | | | | | | | | Induction ratio | Throw ft. | | | |
|-------------------|-------------|-------------|-----------|-----------|----------|----------------------|-------|---------|-------|---------|-------|---------|-------|-----------------|------------|------------|-------------|--------------|
| | | Inlet Dia. | Flow Rate | Inlet ΔPS | | 1.0 GPM | | 2.0 GPM | | 3.0 GPM | | 4.0 GPM | | | | | | |
| | | Inches | CFM | (in. H2O) | | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | | | | | |
| 4 | B1 | 4 | 15 | 0.25 | 15 | 3706 | 0.95 | 3.80 | 8.55 | 1.94 | 4412 | 4602 | 4748 | 5.9 | 0 - 1 - 4 | | | |
| | | | 20 | 0.44 | 15 | 4664 | | | | | 5663 | 5953 | 6184 | | 1 - 2 - 7 | | | |
| | | | 25 | 0.68 | 15 | 5329 | | | | | 6575 | 6946 | 7170 | | 1 - 3 - 10 | | | |
| | B2 | 4 | 20 | 0.17 | 15 | 3380 | | | | | 4066 | 4265 | 4431 | | 4.8 | 1 - 1 - 5 | | |
| | | | 30 | 0.39 | 15 | 4422 | | | | | 5479 | 5791 | 5987 | | | 1 - 3 - 10 | | |
| | | | 40 | 0.69 | 22 | 5348 | | | | | 6960 | 7420 | 7780 | | | 2 - 5 - 14 | | |
| | B3 | 5 | 40 | 0.19 | 15 | 3473 | | | | | 4394 | 4680 | 4830 | | | 4.0 | 2 - 4 - 12 | |
| | | | 60 | 0.43 | 23 | 4836 | | | | | 6484 | 7001 | 7419 | | | | 4 - 8 - 18 | |
| | | | 80 | 0.77 | 30 | 6229 | | | | | 8231 | 9014 | 9448 | | | | 7 - 12 - 21 | |
| | B4 | 6 | 70 | 0.19 | 19 | 3435 | | | | | 4558 | 4892 | 5110 | | | | 2.5 | 2 - 6 - 14 |
| | | | 105 | 0.44 | 29 | 4984 | | | | | 6725 | 7362 | 7790 | | | | | 6 - 11 - 20 |
| | | | 140 | 0.75 | 22 | 5823 | | | | | 8174 | 9074 | 9535 | | | | | 10 - 14 - 23 |
| 6 | B1 | 4 | 20 | 0.18 | 15 | 5120 | 1.38 | 5.51 | 1.58 | 2.81 | 6283 | 6690 | 6712 | 5.9 | | | | 0 - 1 - 4 |
| | | | 30 | 0.41 | 15 | 6231 | | | | | 7944 | 8466 | 8753 | | | | | 1 - 2 - 9 |
| | | | 40 | 0.72 | 22 | 7595 | | | | | 9894 | 10727 | 11036 | | | | | 2 - 4 - 13 |
| | B2 | 5 | 30 | 0.16 | 15 | 4642 | | | | | 5860 | 6228 | 6404 | | 4.8 | | | 1 - 2 - 6 |
| | | | 45 | 0.36 | 16 | 6061 | | | | | 7878 | 8507 | 8733 | | | | | 2 - 3 - 12 |
| | | | 60 | 0.64 | 24 | 7681 | | | | | 10261 | 11211 | 11691 | | | | | 3 - 6 - 17 |
| | B3 | 6 | 60 | 0.18 | 16 | 4734 | | | | | 6338 | 6924 | 7143 | | | 4.0 | | 2 - 5 - 14 |
| | | | 90 | 0.40 | 26 | 7017 | | | | | 9733 | 10709 | 11378 | | | | | 5 - 10 - 21 |
| | | | 120 | 0.72 | 33 | 7791 | | | | | 11074 | 12463 | 13376 | | | | | 8 - 14 - 26 |
| | B4 | 10* | 105 | 0.18 | 15 | 4680 | | | | | 6536 | 7226 | 7516 | | | | 2.5 | 3 - 7 - 18 |
| | | | 160 | 0.42 | 21 | 6626 | | | | | 9724 | 10805 | 11602 | | | | | 7 - 13 - 25 |
| | | | 215 | 0.76 | 29 | 7170 | | | | | 10726 | 12530 | 13582 | | | | | 12 - 18 - 29 |
| 8 | B1 | 4 | 25 | 0.15 | 15 | 6583 | 1.80 | 7.21 | 2.07 | 3.68 | 8133 | 8757 | 8992 | 5.9 | | | | 0 - 1 - 4 |
| | | | 40 | 0.40 | 20 | 8281 | | | | | 10873 | 11754 | 12232 | | | | | 1 - 2 - 10 |
| | | | 55 | 0.73 | 22 | 9218 | | | | | 12612 | 13863 | 14493 | | | | | 2 - 5 - 16 |
| | B2 | 5 | 40 | 0.16 | 15 | 6432 | | | | | 8247 | 8913 | 9224 | | 4.8 | | | 1 - 2 - 7 |
| | | | 60 | 0.35 | 22 | 7186 | | | | | 9901 | 10799 | 11323 | | | | | 2 - 4 - 14 |
| | | | 80 | 0.62 | 30 | 8955 | | | | | 12422 | 13802 | 14575 | | | | | 3 - 7 - 19 |
| | B3 | 8 | 80 | 0.17 | 15 | 5571 | | | | | 7875 | 8714 | 9144 | | | 4.0 | | 2 - 5 - 16 |
| | | | 120 | 0.38 | 18 | 8188 | | | | | 11718 | 13242 | 14298 | | | | | 5 - 12 - 25 |
| | | | 160 | 0.68 | 25 | 8790 | | | | | 13280 | 15590 | 17101 | | | | | 9 - 16 - 30 |
| | B4 | 10* | 145 | 0.19 | 17 | 5534 | | | | | 8198 | 9242 | 9782 | | | | 2.5 | 4 - 8 - 21 |
| | | | 215 | 0.42 | 27 | 7501 | | | | | 11495 | 13421 | 14709 | | | | | 8 - 16 - 29 |
| | | | 285 | 0.74 | 34 | 7742 | | | | | 12951 | 15533 | 17235 | | | | | 14 - 21 - 33 |
| 10 | B1 | 5 | 35 | 0.19 | 15 | 8197 | 2.23 | 8.92 | 2.56 | 4.55 | 10591 | 11587 | 12002 | 5.9 | | | | 1 - 1 - 5 |
| | | | 52 | 0.41 | 20 | 9493 | | | | | 12855 | 14228 | 14961 | | | | | 1 - 3 - 12 |
| | | | 69 | 0.73 | 27 | 10209 | | | | | 14505 | 16365 | 17313 | | | | | 2 - 5 - 18 |
| | B2 | 6 | 55 | 0.18 | 15 | 7663 | | | | | 10386 | 11415 | 11942 | | 4.8 | | | 1 - 2 - 9 |
| | | | 80 | 0.39 | 24 | 8291 | | | | | 11687 | 13203 | 13996 | | | | | 2 - 5 - 17 |
| | | | 105 | 0.67 | 31 | 8995 | | | | | 14929 | 17068 | 18337 | | | | | 4 - 9 - 22 |
| | B3 | 8 | 100 | 0.17 | 15 | 6082 | | | | | 8947 | 10197 | 10840 | | | 4.0 | | 3 - 6 - 18 |
| | | | 150 | 0.37 | 22 | 8268 | | | | | 13231 | 15420 | 16931 | | | | | 6 - 13 - 28 |
| | | | 200 | 0.66 | 30 | 8819 | | | | | 14591 | 17807 | 19944 | | | | | 10 - 18 - 33 |
| | B4 | 10* | 180 | 0.19 | 21 | 5622 | | | | | 9166 | 10656 | 11431 | | | | 2.5 | 4 - 9 - 23 |
| | | | 240 | 0.33 | 29 | 7197 | | | | | 12341 | 14611 | 16177 | | | | | 7 - 15 - 30 |
| | | | 300 | 0.52 | 35 | 7338 | | | | | 12982 | 16162 | 18264 | | | | | 11 - 19 - 34 |



Note: Reference page U38 for operational conditions used for performance notes

CBLE-12 / 4-PIPE COOLING

| Nominal Length ft | Nozzle Size | Primary Air | | | Sound NC | Coil Sensible Cooling (Btu/h) | | | | | | | | Induction ratio | Throw ft. | | | |
|-------------------|-------------|-------------|-----------|-----------|----------|-------------------------------|-------|---------|-------|---------|-------|---------|-------|-----------------|-----------|-------|----------|--------|
| | | Inlet Dia. | Flow Rate | Inlet ΔPS | | 1.0 GPM | | 2.0 GPM | | 3.0 GPM | | 4.0 GPM | | | | | | |
| | | Inches | CFM | (in. H2O) | | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | | | | | |
| 4 | A1 | 5 | 26 | 0.22 | 15 | 1684 | 0.70 | 1759 | 2.90 | 1793 | 6.50 | 1810 | 1.40 | 4.6 | 3-4-6 | | | |
| | | | 32 | 0.34 | 15 | 1974 | | | | | | | | | 2078 | 2123 | 2147 | 3-5-7 |
| | | | 38 | 0.47 | 19 | 2247 | | | | | | | | | 2379 | 2437 | 2468 | 4-5-8 |
| | | | 44 | 0.64 | 23 | 2506 | | | | | | | | | 2665 | 2737 | 2775 | 4-6-8 |
| | A2 | 6 | 36 | 0.14 | 15 | 1963 | | | | | | | | | 2050 | 2088 | 2108 | 3-4-7 |
| | | | 48 | 0.25 | 17 | 2452 | | | | | | | | | 2584 | 2642 | 2673 | 4-6-8 |
| | | | 60 | 0.39 | 23 | 2908 | | | | | | | | | 3085 | 3165 | 3206 | 5-7-9 |
| | | | 72 | 0.56 | 28 | 3336 | | | | | | | | | 3558 | 3658 | 3711 | 6-7-10 |
| | A3 | 8 | 55 | 0.15 | 15 | 2467 | | | | | | | | | 2577 | 2625 | 2650 | 3-5-8 |
| | | | 75 | 0.28 | 15 | 3156 | | | | | | | | | 3322 | 3397 | 3436 | 5-7-10 |
| | | | 95 | 0.45 | 18 | 3801 | | | | | | | | | 4023 | 4124 | 4178 | 6-8-11 |
| | | | 115 | 0.66 | 23 | 4412 | | | | | | | | | 4691 | 4819 | 4888 | 7-8-12 |
| 6 | A1 | 6 | 30 | 0.15 | 15 | 2025 | 1.00 | 2120 | 4.20 | 2163 | 9.40 | 2184 | 2.10 | 4.6 | 2-4-7 | | | |
| | | | 40 | 0.26 | 15 | 2528 | | | | | | | | | 2677 | 2742 | 2775 | 3-5-8 |
| | | | 50 | 0.41 | 19 | 2990 | | | | | | | | | 3194 | 3282 | 3328 | 4-6-9 |
| | | | 60 | 0.58 | 24 | 3420 | | | | | | | | | 3679 | 3793 | 3852 | 5-7-10 |
| | A2 | 6 | 55 | 0.18 | 19 | 2933 | | | | | | | | 3102 | 3175 | 3212 | 4-5-9 | |
| | | | 70 | 0.29 | 25 | 3526 | | | | | | | | 3761 | 3862 | 3915 | 5-7-10 | |
| | | | 85 | 0.43 | 30 | 4079 | | | | | | | | 4379 | 4513 | 4584 | 6-8-11 | |
| | | | 100 | 0.60 | 35 | 4603 | | | | | | | | 4971 | 5135 | 5222 | 7-9-12 | |
| | A3 | 8 | 85 | 0.21 | 15 | 3723 | | | | | | | | 3935 | 4026 | 4073 | 4-6-10 | |
| | | | 110 | 0.35 | 20 | 4555 | | | | | | | | 4850 | 4980 | 5050 | 6-8-12 | |
| | | | 135 | 0.53 | 25 | 5342 | | | | | | | | 5721 | 5890 | 5981 | 7-9-13 | |
| | | | 160 | 0.74 | 30 | 6090 | | | | | | | | 6551 | 6760 | 6873 | 8-10-14 | |
| 8 | A1 | 6 | 40 | 0.16 | 15 | 2647 | 1.40 | 2801 | 5.40 | 2867 | 1.50 | 2900 | 2.70 | 4.6 | 3-4-8 | | | |
| | | | 53 | 0.27 | 19 | 3279 | | | | | | | | | 3512 | 3612 | 3663 | 4-6-9 |
| | | | 66 | 0.42 | 25 | 3855 | | | | | | | | | 4169 | 4306 | 4377 | 5-7-10 |
| | | | 79 | 0.61 | 30 | 4391 | | | | | | | | | 4787 | 4961 | 5052 | 6-8-11 |
| | A2 | 8 | 70 | 0.18 | 15 | 3687 | | | | | | | | 3936 | 4043 | 4098 | 4-6-10 | |
| | | | 95 | 0.33 | 17 | 4645 | | | | | | | | 5018 | 5181 | 5266 | 5-8-12 | |
| | | | 120 | 0.53 | 23 | 5516 | | | | | | | | 6015 | 6237 | 6355 | 7-9-13 | |
| | | | 145 | 0.77 | 28 | 6337 | | | | | | | | 6957 | 7237 | 7390 | 8-10-14 | |
| | A3 | 8 | 110 | 0.23 | 18 | 4743 | | | | | | | | 5059 | 5198 | 5269 | 5-7-12 | |
| | | | 145 | 0.40 | 26 | 5876 | | | | | | | | 6326 | 6525 | 6631 | 6-9-13 | |
| | | | 180 | 0.62 | 31 | 6939 | | | | | | | | 7518 | 7779 | 7921 | 8-10-15 | |
| | | | 215 | 0.88 | 34 | 7948 | | | | | | | | 8651 | 8975 | 9152 | 9-11-16 | |
| 10 | A1 | 8 | 55 | 0.19 | 15 | 3485 | 1.70 | 3741 | 6.70 | 3851 | 1.90 | 3907 | 3.40 | 4.6 | 4-5-9 | | | |
| | | | 70 | 0.30 | 15 | 4166 | | | | | | | | | 4524 | 4679 | 4759 | 4-7-10 |
| | | | 85 | 0.44 | 16 | 4792 | | | | | | | | | 5255 | 5458 | 5563 | 5-8-11 |
| | | | 100 | 0.61 | 20 | 5377 | | | | | | | | | 5945 | 6196 | 6328 | 6-9-12 |
| | A2 | 8 | 90 | 0.20 | 15 | 4603 | | | | | | | | 4971 | 5131 | 5213 | 5-7-11 | |
| | | | 120 | 0.35 | 22 | 5699 | | | | | | | | 6233 | 6469 | 6592 | 6-9-13 | |
| | | | 150 | 0.55 | 28 | 6701 | | | | | | | | 7397 | 7711 | 7878 | 8-10-15 | |
| | | | 180 | 0.79 | 32 | 7644 | | | | | | | | 8498 | 8889 | 9102 | 9-11-16 | |
| | A3 | 8 | 130 | 0.22 | 22 | 5555 | | | | | | | | 5973 | 6155 | 6250 | 5-8-13 | |
| | | | 170 | 0.38 | 29 | 6827 | | | | | | | | 7411 | 7670 | 7808 | 7-10-14 | |
| | | | 210 | 0.58 | 34 | 8019 | | | | | | | | 8764 | 9103 | 9285 | 8-11-16 | |
| | | | 250 | 0.81 | 36 | 9153 | | | | | | | | 10051 | 10468 | 10696 | 10-12-17 | |

Note: Reference page U38 for operational conditions used for performance notes

CBLE-12 / 4-PIPE HEATING

| Nominal Length ft | Nozzle Size | Primary Air | | | Sound NC | Coil Heating (Btu/h) | | | | | | | | Induction ratio | Throw ft. |
|-------------------|-------------|-------------|-----------|-----------|----------|----------------------|-------|---------|-------|---------|-------|---------|-------|-----------------|-----------|
| | | Inlet Dia. | Flow Rate | Inlet ΔPS | | 1.0 GPM | | 2.0 GPM | | 3.0 GPM | | 4.0 GPM | | | |
| | | Inches | CFM | (in. H2O) | | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | | |
| 4 | A1 | 5 | 26 | 0.22 | 15 | 2065 | 0.24 | 0.96 | 2232 | 2.16 | 2308 | 3.84 | 4.6 | 3-4-6 | |
| | | | 32 | 0.34 | 15 | 2324 | | | 2554 | | 2654 | | | 2707 | 3-5-7 |
| | | | 38 | 0.47 | 19 | 2543 | | | 2835 | | 2965 | | | 3033 | 4-5-8 |
| | | | 44 | 0.64 | 23 | 2730 | | | 3085 | | 3245 | | | 3328 | 4-6-8 |
| | A2 | 6 | 36 | 0.14 | 15 | 2039 | | | 2233 | | 2319 | | | 2363 | 3-4-7 |
| | | | 48 | 0.25 | 17 | 2352 | | | 2645 | | 2776 | | | 2844 | 4-6-8 |
| | | | 60 | 0.39 | 23 | 2592 | | | 2985 | | 3162 | | | 3254 | 5-7-9 |
| | | | 72 | 0.56 | 28 | 2769 | | | 3263 | | 3485 | | | 3604 | 6-7-10 |
| | A3 | 8 | 55 | 0.15 | 15 | 1936 | | | 2180 | | 2287 | | | 2342 | 3-5-8 |
| | | | 75 | 0.28 | 15 | 2177 | | | 2545 | | 2712 | | | 2798 | 5-7-10 |
| | | | 95 | 0.45 | 18 | 2319 | | | 2813 | | 3037 | | | 3156 | 6-8-11 |
| | | | 115 | 0.66 | 23 | 2387 | | | 3008 | | 3291 | | | 3444 | 7-8-12 |
| 6 | A1 | 6 | 30 | 0.15 | 15 | 2564 | 0.35 | 1.38 | 2777 | 3.11 | 2871 | 5.54 | 4.6 | 2-4-7 | |
| | | | 40 | 0.26 | 15 | 3039 | | | 3370 | | 3513 | | | 3586 | 3-5-8 |
| | | | 50 | 0.41 | 19 | 3419 | | | 3873 | | 4068 | | | 4170 | 4-6-9 |
| | | | 60 | 0.58 | 24 | 3730 | | | 4306 | | 4558 | | | 4691 | 5-7-10 |
| | A2 | 6 | 55 | 0.18 | 19 | 2971 | | | 3347 | | 3508 | | | 3591 | 4-5-9 |
| | | | 70 | 0.29 | 25 | 3320 | | | 3842 | | 4068 | | | 4186 | 5-7-10 |
| | | | 85 | 0.43 | 30 | 3583 | | | 4250 | | 4546 | | | 4703 | 6-8-11 |
| | | | 100 | 0.60 | 35 | 3780 | | | 4597 | | 4961 | | | 5156 | 7-9-12 |
| | A3 | 8 | 85 | 0.21 | 15 | 2790 | | | 3261 | | 3464 | | | 3570 | 4-6-10 |
| | | | 110 | 0.35 | 20 | 3028 | | | 3682 | | 3973 | | | 4127 | 6-8-12 |
| | | | 135 | 0.53 | 25 | 3165 | | | 4007 | | 4383 | | | 4583 | 7-9-13 |
| | | | 160 | 0.74 | 30 | 3214 | | | 4238 | | 4702 | | | 4953 | 8-10-14 |
| 8 | A1 | 6 | 40 | 0.16 | 15 | 3303 | 0.46 | 1.83 | 3645 | 4.11 | 3792 | 7.30 | 4.6 | 3-4-8 | |
| | | | 53 | 0.27 | 19 | 3868 | | | 4386 | | 4608 | | | 4721 | 4-6-9 |
| | | | 66 | 0.42 | 25 | 4310 | | | 5008 | | 5313 | | | 5469 | 5-7-10 |
| | | | 79 | 0.61 | 30 | 4662 | | | 5542 | | 5930 | | | 6132 | 6-8-11 |
| | A2 | 8 | 70 | 0.18 | 15 | 3678 | | | 4231 | | 4470 | | | 4591 | 4-6-10 |
| | | | 95 | 0.33 | 17 | 4195 | | | 5023 | | 5386 | | | 5576 | 5-8-12 |
| | | | 120 | 0.53 | 23 | 4519 | | | 5627 | | 6120 | | | 6383 | 7-9-13 |
| | | | 145 | 0.77 | 28 | 4730 | | | 6108 | | 6730 | | | 7069 | 8-10-14 |
| | A3 | 8 | 110 | 0.23 | 18 | 3445 | | | 4149 | | 4456 | | | 4615 | 5-7-12 |
| | | | 145 | 0.40 | 26 | 3707 | | | 4706 | | 5149 | | | 5384 | 6-9-13 |
| | | | 180 | 0.62 | 31 | 3811 | | | 5098 | | 5677 | | | 5992 | 8-10-15 |
| | | | 215 | 0.88 | 34 | 3794 | | | 5358 | | 6078 | | | 6472 | 9-11-16 |
| 10 | A1 | 8 | 55 | 0.19 | 15 | 4198 | 0.57 | 2.26 | 4766 | 5.09 | 5010 | 9.05 | 4.6 | 4-5-9 | |
| | | | 70 | 0.30 | 15 | 4742 | | | 5538 | | 5884 | | | 6061 | 4-7-10 |
| | | | 85 | 0.44 | 16 | 5166 | | | 6195 | | 6646 | | | 6881 | 5-8-11 |
| | | | 100 | 0.61 | 20 | 5499 | | | 6761 | | 7319 | | | 7613 | 6-9-12 |
| | A2 | 8 | 90 | 0.20 | 15 | 4424 | | | 5241 | | 5597 | | | 5780 | 5-7-11 |
| | | | 120 | 0.35 | 22 | 4925 | | | 6112 | | 6635 | | | 6910 | 6-9-13 |
| | | | 150 | 0.55 | 28 | 5217 | | | 6764 | | 7460 | | | 7833 | 8-10-15 |
| | | | 180 | 0.79 | 32 | 5378 | | | 7274 | | 8143 | | | 8617 | 9-11-16 |
| | A3 | 8 | 130 | 0.22 | 22 | 3960 | | | 4888 | | 5294 | | | 5504 | 5-8-13 |
| | | | 170 | 0.38 | 29 | 4206 | | | 5503 | | 6080 | | | 6386 | 7-10-14 |
| | | | 210 | 0.58 | 34 | 4276 | | | 5932 | | 6683 | | | 7089 | 8-11-16 |
| | | | 250 | 0.81 | 36 | 4216 | | | 6211 | | 7138 | | | 7644 | 10-12-17 |



Note: Reference page U38 for operational conditions used for performance notes

CBLE-12 / 2-PIPE COOLING

| Nominal Length ft | Nozzle Size | Primary Air | | | Sound NC | Coil Sensible Cooling (Btu/h) | | | | | | | | Induction ratio | Throw ft. | | | | | | | |
|-------------------|-------------|-------------|-----------|-----------|----------|-------------------------------|-------|---------|-------|---------|-------|---------|-------|-----------------|-----------|-------|-------|-------|-------|----------|--------|-------|
| | | Inlet Dia. | Flow Rate | Inlet ΔPS | | 1.0 GPM | | 2.0 GPM | | 3.0 GPM | | 4.0 GPM | | | | | | | | | | |
| | | Inches | CFM | (in. H2O) | | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | | | | | | | | | |
| 4 | A1 | 5 | 26 | 0.22 | 15 | 1758 | 1.00 | 1839 | 3.80 | 1875 | 8.70 | 1894 | 1.10 | 4.6 | 3-4-6 | | | | | | | |
| | | | 32 | 0.34 | 15 | 2060 | | | | | | | | | 2170 | 2218 | 2244 | 3-5-7 | | | | |
| | | | 38 | 0.47 | 19 | 2342 | | | | | | | | | 2482 | 2544 | 2577 | 2896 | 4-5-8 | | | |
| | | | 44 | 0.64 | 23 | 2609 | | | | | | | | | 2779 | 2856 | 2896 | 2896 | 4-6-8 | | | |
| | A2 | 6 | 36 | 0.14 | 15 | 2041 | | | | | | | | | 2134 | 2175 | 2197 | 2197 | 2197 | 2197 | 3.7 | 3-4-7 |
| | | | 48 | 0.25 | 17 | 2546 | | | | | | | | | 2686 | 2749 | 2782 | 2782 | 2782 | 2782 | 4-6-8 | |
| | | | 60 | 0.39 | 23 | 3015 | | | | | | | | | 3204 | 3289 | 3333 | 3333 | 3333 | 3333 | 5-7-9 | |
| | | | 72 | 0.56 | 28 | 3454 | | | | | | | | | 3691 | 3798 | 3855 | 3855 | 3855 | 3855 | 6-7-10 | |
| | A3 | 8 | 55 | 0.15 | 15 | 2552 | | | | | | | | | 2670 | 2721 | 2747 | 2747 | 2747 | 2747 | 2.9 | 3-5-8 |
| | | | 75 | 0.28 | 15 | 3258 | | | | | | | | | 3435 | 3515 | 3556 | 3556 | 3556 | 3556 | 5-7-10 | |
| | | | 95 | 0.45 | 18 | 3917 | | | | | | | | | 4154 | 4261 | 4319 | 4319 | 4319 | 4319 | 6-8-11 | |
| | | | 115 | 0.66 | 23 | 4540 | | | | | | | | | 4838 | 4974 | 5047 | 5047 | 5047 | 5047 | 7-8-12 | |
| 6 | A1 | 6 | 30 | 0.15 | 15 | 2116 | 1.40 | 2218 | 5.50 | 2264 | 1.60 | 2286 | 2.90 | 4.6 | 2-4-7 | | | | | | | |
| | | | 40 | 0.26 | 15 | 2639 | | | | | | | | | 2798 | 2867 | 2902 | 2902 | 2902 | 2902 | 3-5-8 | |
| | | | 50 | 0.41 | 19 | 3117 | | | | | | | | | 3335 | 3428 | 3477 | 3477 | 3477 | 3477 | 4-6-9 | |
| | | | 60 | 0.58 | 24 | 3561 | | | | | | | | | 3837 | 3959 | 4022 | 4022 | 4022 | 4022 | 5-7-10 | |
| | A2 | 6 | 55 | 0.18 | 19 | 3049 | | | | | | | | 3230 | 3307 | 3347 | 3347 | 3347 | 3347 | 3.7 | 4-5-9 | |
| | | | 70 | 0.29 | 25 | 3660 | | | | | | | | 3910 | 4018 | 4075 | 4075 | 4075 | 4075 | 5-7-10 | | |
| | | | 85 | 0.43 | 30 | 4228 | | | | | | | | 4548 | 4691 | 4766 | 4766 | 4766 | 4766 | 6-8-11 | | |
| | | | 100 | 0.60 | 35 | 4766 | | | | | | | | 5158 | 5333 | 5426 | 5426 | 5426 | 5426 | 7-9-12 | | |
| | A3 | 8 | 85 | 0.21 | 15 | 3848 | | | | | | | | 4074 | 4171 | 4222 | 4222 | 4222 | 4222 | 2.9 | 4-6-10 | |
| | | | 110 | 0.35 | 20 | 4700 | | | | | | | | 5014 | 5153 | 5227 | 5227 | 5227 | 5227 | 6-8-12 | | |
| | | | 135 | 0.53 | 25 | 5503 | | | | | | | | 5907 | 6088 | 6184 | 6184 | 6184 | 6184 | 7-9-13 | | |
| | | | 160 | 0.74 | 30 | 6265 | | | | | | | | 6756 | 6979 | 7099 | 7099 | 7099 | 7099 | 8-10-14 | | |
| 8 | A1 | 6 | 40 | 0.16 | 15 | 2766 | 1.80 | 2930 | 7.30 | 3001 | 3.90 | 3036 | 6.90 | 4.6 | 3-4-8 | | | | | | | |
| | | | 53 | 0.27 | 19 | 3421 | | | | | | | | | 3669 | 3776 | 3830 | 3830 | 3830 | 3830 | 4-6-9 | |
| | | | 66 | 0.42 | 25 | 4017 | | | | | | | | | 4352 | 4498 | 4573 | 4573 | 4573 | 4573 | 5-7-10 | |
| | | | 79 | 0.61 | 30 | 4569 | | | | | | | | | 4992 | 5178 | 5275 | 5275 | 5275 | 5275 | 6-8-11 | |
| | A2 | 8 | 70 | 0.18 | 15 | 3831 | | | | | | | | 4097 | 4211 | 4270 | 4270 | 4270 | 4270 | 3.7 | 4-6-10 | |
| | | | 95 | 0.33 | 17 | 4817 | | | | | | | | 5215 | 5389 | 5480 | 5480 | 5480 | 5480 | 5-8-12 | | |
| | | | 120 | 0.53 | 23 | 5711 | | | | | | | | 6243 | 6479 | 6605 | 6605 | 6605 | 6605 | 7-9-13 | | |
| | | | 145 | 0.77 | 28 | 6550 | | | | | | | | 7211 | 7510 | 7672 | 7672 | 7672 | 7672 | 8-10-14 | | |
| | A3 | 8 | 110 | 0.23 | 18 | 4900 | | | | | | | | 5238 | 5385 | 5462 | 5462 | 5462 | 5462 | 2.9 | 5-7-12 | |
| | | | 145 | 0.40 | 26 | 6058 | | | | | | | | 6538 | 6751 | 6863 | 6863 | 6863 | 6863 | 6-9-13 | | |
| | | | 180 | 0.62 | 31 | 7141 | | | | | | | | 7759 | 8037 | 8188 | 8188 | 8188 | 8188 | 8-10-15 | | |
| | | | 215 | 0.88 | 34 | 8166 | | | | | | | | 8917 | 9262 | 9451 | 9451 | 9451 | 9451 | 9-11-16 | | |
| 10 | A1 | 8 | 55 | 0.19 | 15 | 3638 | 2.20 | 3911 | 8.90 | 4028 | 5.30 | 4088 | 9.50 | 4.6 | 4-5-9 | | | | | | | |
| | | | 70 | 0.30 | 15 | 4342 | | | | | | | | | 4724 | 4890 | 4975 | 4975 | 4975 | 4975 | 4-7-10 | |
| | | | 85 | 0.44 | 16 | 4988 | | | | | | | | | 5482 | 5699 | 5811 | 5811 | 5811 | 5811 | 5-8-11 | |
| | | | 100 | 0.61 | 20 | 5591 | | | | | | | | | 6197 | 6464 | 6606 | 6606 | 6606 | 6606 | 6-9-12 | |
| | A2 | 8 | 90 | 0.20 | 15 | 4780 | | | | | | | | 5172 | 5343 | 5431 | 5431 | 5431 | 5431 | 3.7 | 5-7-11 | |
| | | | 120 | 0.35 | 22 | 5906 | | | | | | | | 6475 | 6726 | 6858 | 6858 | 6858 | 6858 | 6-9-13 | | |
| | | | 150 | 0.55 | 28 | 6931 | | | | | | | | 7674 | 8008 | 8187 | 8187 | 8187 | 8187 | 8-10-15 | | |
| | | | 180 | 0.79 | 32 | 7893 | | | | | | | | 8804 | 9221 | 9448 | 9448 | 9448 | 9448 | 9-11-16 | | |
| | A3 | 8 | 130 | 0.22 | 22 | 5737 | | | | | | | | 6183 | 6378 | 6479 | 6479 | 6479 | 6479 | 2.9 | 5-8-13 | |
| | | | 170 | 0.38 | 29 | 7036 | | | | | | | | 7659 | 7935 | 8082 | 8082 | 8082 | 8082 | 7-10-14 | | |
| | | | 210 | 0.58 | 34 | 8250 | | | | | | | | 9045 | 9406 | 9600 | 9600 | 9600 | 9600 | 8-11-16 | | |
| | | | 250 | 0.81 | 36 | 9402 | | | | | | | | 10359 | 10804 | 11047 | 11047 | 11047 | 11047 | 10-12-17 | | |

Note: Reference page U38 for operational conditions used for performance notes

CBLE-12 / 2-PIPE HEATING

| Nominal Length ft | Nozzle Size | Primary Air | | | Sound NC | Coil Heating (Btu/h) | | | | | | | | Induction ratio | Throw ft. | | | |
|-------------------|-------------|-------------|-----------|-----------|----------|----------------------|-------|---------|-------|---------|-------|---------|-------|-----------------|-----------|-------|----------|--------|
| | | Inlet Dia. | Flow Rate | Inlet ΔPS | | 1.0 GPM | | 2.0 GPM | | 3.0 GPM | | 4.0 GPM | | | | | | |
| | | Inches | CFM | (in. H2O) | | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | qTOTAL | ΔCOIL | | | | | |
| 4 | A1 | 5 | 26 | 0.22 | 15 | 2894 | 0.96 | 3118 | 3.84 | 3218 | 8.65 | 3269 | 1.06 | 4.6 | 3-4-6 | | | |
| | | | 32 | 0.34 | 15 | 3272 | | | | | | | | | 3578 | 3713 | 3783 | 3-5-7 |
| | | | 38 | 0.47 | 19 | 3597 | | | | | | | | | 3986 | 4159 | 4249 | 4-5-8 |
| | | | 44 | 0.64 | 23 | 3879 | | | | | | | | | 4352 | 4565 | 4676 | 4-6-8 |
| | A2 | 6 | 36 | 0.14 | 15 | 2914 | | | | | | | | | 3173 | 3287 | 3346 | 3-4-7 |
| | | | 48 | 0.25 | 17 | 3397 | | | | | | | | | 3788 | 3961 | 4052 | 4-6-8 |
| | | | 60 | 0.39 | 23 | 3781 | | | | | | | | | 4306 | 4542 | 4665 | 5-7-9 |
| | | | 72 | 0.56 | 28 | 4083 | | | | | | | | | 4741 | 5037 | 5195 | 6-7-10 |
| | A3 | 8 | 55 | 0.15 | 15 | 2879 | | | | | | | | | 3205 | 3347 | 3421 | 3-5-8 |
| | | | 75 | 0.28 | 15 | 3309 | | | | | | | | | 3801 | 4023 | 4138 | 5-7-10 |
| | | | 95 | 0.45 | 18 | 3607 | | | | | | | | | 4267 | 4564 | 4724 | 6-8-11 |
| | | | 115 | 0.66 | 23 | 3807 | | | | | | | | | 4634 | 5012 | 5216 | 7-8-12 |
| 6 | A1 | 6 | 30 | 0.15 | 15 | 3582 | 1.38 | 3865 | 5.54 | 3991 | 1.62 | 4053 | 2.87 | 4.6 | 2-4-7 | | | |
| | | | 40 | 0.26 | 15 | 4269 | | | | | | | | | 4710 | 4901 | 4998 | 3-5-8 |
| | | | 50 | 0.41 | 19 | 4830 | | | | | | | | | 5436 | 5696 | 5831 | 4-6-9 |
| | | | 60 | 0.58 | 24 | 5299 | | | | | | | | | 6066 | 6403 | 6580 | 5-7-10 |
| | A2 | 6 | 55 | 0.18 | 19 | 4260 | | | | | | | | 4761 | 4976 | 5086 | 4-5-9 | |
| | | | 70 | 0.29 | 25 | 4807 | | | | | | | | 5503 | 5803 | 5961 | 5-7-10 | |
| | | | 85 | 0.43 | 30 | 5238 | | | | | | | | 6128 | 6523 | 6732 | 6-8-11 | |
| | | | 100 | 0.60 | 35 | 5582 | | | | | | | | 6672 | 7157 | 7417 | 7-9-12 | |
| | A3 | 8 | 85 | 0.21 | 15 | 4181 | | | | | | | | 4810 | 5080 | 5221 | 4-6-10 | |
| | | | 110 | 0.35 | 20 | 4634 | | | | | | | | 5506 | 5894 | 6100 | 6-8-12 | |
| | | | 135 | 0.53 | 25 | 4952 | | | | | | | | 6075 | 6576 | 6843 | 7-9-13 | |
| | | | 160 | 0.74 | 30 | 5153 | | | | | | | | 6518 | 7137 | 7472 | 8-10-14 | |
| 8 | A1 | 6 | 40 | 0.16 | 15 | 4621 | 1.83 | 5077 | 7.30 | 5273 | 3.90 | 5371 | 6.93 | 4.6 | 3-4-8 | | | |
| | | | 53 | 0.27 | 19 | 5445 | | | | | | | | | 6135 | 6432 | 6582 | 4-6-9 |
| | | | 66 | 0.42 | 25 | 6105 | | | | | | | | | 7036 | 7442 | 7650 | 5-7-10 |
| | | | 79 | 0.61 | 30 | 6645 | | | | | | | | | 7819 | 8335 | 8605 | 6-8-11 |
| | A2 | 8 | 70 | 0.18 | 15 | 5284 | | | | | | | | 6021 | 6340 | 6501 | 4-6-10 | |
| | | | 95 | 0.33 | 17 | 6108 | | | | | | | | 7213 | 7697 | 7950 | 5-8-12 | |
| | | | 120 | 0.53 | 23 | 6677 | | | | | | | | 8154 | 8811 | 9161 | 7-9-13 | |
| | | | 145 | 0.77 | 28 | 7093 | | | | | | | | 8931 | 9760 | 10212 | 8-10-14 | |
| | A3 | 8 | 110 | 0.23 | 18 | 5190 | | | | | | | | 6128 | 6538 | 6750 | 5-7-12 | |
| | | | 145 | 0.40 | 26 | 5729 | | | | | | | | 7061 | 7651 | 7965 | 6-9-13 | |
| | | | 180 | 0.62 | 31 | 6057 | | | | | | | | 7773 | 8546 | 8966 | 8-10-15 | |
| | | | 215 | 0.88 | 34 | 6225 | | | | | | | | 8311 | 9270 | 9795 | 9-11-16 | |
| 10 | A1 | 8 | 55 | 0.19 | 15 | 5895 | 2.23 | 6653 | 8.91 | 6978 | 5.53 | 7145 | 9.47 | 4.6 | 4-5-9 | | | |
| | | | 70 | 0.30 | 15 | 6703 | | | | | | | | | 7764 | 8225 | 8461 | 4-7-10 |
| | | | 85 | 0.44 | 16 | 7350 | | | | | | | | | 8721 | 9323 | 9635 | 5-8-11 |
| | | | 100 | 0.61 | 20 | 7874 | | | | | | | | | 9557 | 10301 | 10694 | 6-9-12 |
| | A2 | 8 | 90 | 0.20 | 15 | 6387 | | | | | | | | 7477 | 7951 | 8195 | 5-7-11 | |
| | | | 120 | 0.35 | 22 | 7218 | | | | | | | | 8801 | 9498 | 9865 | 6-9-13 | |
| | | | 150 | 0.55 | 28 | 7769 | | | | | | | | 9833 | 10760 | 11258 | 8-10-15 | |
| | | | 180 | 0.79 | 32 | 8147 | | | | | | | | 10676 | 11834 | 12466 | 9-11-16 | |
| | A3 | 8 | 130 | 0.22 | 22 | 5986 | | | | | | | | 7222 | 7764 | 8044 | 5-8-13 | |
| | | | 170 | 0.38 | 29 | 6530 | | | | | | | | 8260 | 9028 | 9437 | 7-10-14 | |
| | | | 210 | 0.58 | 34 | 6841 | | | | | | | | 9048 | 10051 | 10591 | 8-11-16 | |
| | | | 250 | 0.81 | 36 | 6978 | | | | | | | | 9638 | 10873 | 11548 | 10-12-17 | |



Note: Reference page U38 for operational conditions used for performance notes

NOTES:

1. All performance data based on test performed in accordance with ASHRAE Standard 200-2015
2. ΔP_s values are measured in inches of water
3. NC values are based on room absorption of 10 dB. A dash (-) indicates an NC value less than 15.
4. Throw values are based on isothermal supply air and represent throw distances to terminal velocities of 150, 100 and 50 fpm respectively
5. ΔP_{Coil} values are measured in feet of water. ΔP_{Coil} values in shaded cells indicate use of a two circuit coil. All other values represent a single circuit coil.
6. Induction ratio is multiplied by the volume flow rate of primary air to estimate the volume flow rate of room air entrained through the coil

Cooling performance:

- Cooling capacity listed (qTOTAL) is the total sensible heat removal by the beam's integral coil. It does not include any contribution or offset by the primary air.
- Capacity is based on 18°F ΔT between the induced air and the chilled water supply. Table 1 provides correction factors for other temperature differentials.
- Primary air sensible cooling contribution can be calculated by the following equation:

$$q_{SENSPA} = 1.085 \times CFM_{PA} \times (T_{ROOM} - T_{PA})$$

- Primary air latent cooling can be calculated by the following equation:

$$q_{LATENT} = 0.69 \times CFM_{PA} \times (W_{ROOM} - W_{PA})$$

where W_{ROOM} and W_{PA} are the humidity ratio of the room and primary air respectively expressed in Grains of moisture per pound dry air

TABLE 4: CORRECTION FOR (ΔT) BETWEEN ENTERING AIR AND ENTERING CHILLED WATER

| | | | | | | | | |
|--------------------------|------|------|------|------|-------------|------|------|------|
| Actual ΔT | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |
| Multiply Table Value by: | 0.56 | 0.67 | 0.78 | 0.89 | 1.00 | 1.11 | 1.22 | 1.33 |

Heating performance:

- Heating capacity listed (qTOTAL) is the sensible heat removal by the beam's integral coil. It does not include any contribution or offset by the primary air
- Capacity is based on 50°F ΔT between the induced air and the chilled water supply. Table 2 provides correction factors for other temperature differentials.
- Primary air sensible heating offset (or contribution) can be calculated by the following equation:

$$q_{SENSPA} = 1.085 \times CFM_{PA} \times (T_{PA} - T_{ROOM})$$

if the primary air temperature is lower than that of the room, it will offset the coil's heating

if the primary air temperature is higher than that of the room, it will contribute to the coil's heating

TABLE 2: CORRECTION FOR (ΔT) BETWEEN ENTERING AIR AND ENTERING CHILLED WATER

| | | | | | | | | | | | |
|--------------------------|------|------|------|------|------|------|------|------|------|------|------|
| Actual ΔT | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 |
| Multiply Table Value by: | 0.40 | 0.60 | 0.80 | 1.00 | 1.20 | 1.40 | 1.60 | 1.80 | 2.00 | 2.20 | 2.40 |

Legend:

ΔP_s = Unit Inlet Pressure [in wg]

q_{SENSPA} = Sensible Capacity, Primary Air [Btu/h]

T_{ROOM} = Temperature Room Air [°F]

qCoil = Sensible Capacity, Coil [Btu/h]

CFM_{PA} = Air Flowrate, Primary Air [CFM]

q_{SENSPA} = Latent Capacity, Primary Air [Btu/h]

$\Delta Coil$ = Water coil pressure drop [ft wg]

T_{PA} = Temperature Primary Air [°F]