



ACiQ 12K Floor & Ceiling Mounted Air Handler (Console) & 12K Platinum Single-Zone Condenser  
Extended Heating & Cooling Performance Tables

| COOLING PERFORMANCE DATA                                                    |                       |                           |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|-----------------------------------------------------------------------------|-----------------------|---------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Model                                                                       | Outdoor Conditions DB | Indoor Conditions (WB/DB) |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |
|                                                                             |                       | WB (F°)                   | 60.8°F (16°C)   |                 |                 |                 |                 | 64.4°F (18°C)   |                 |                 |                 |                 | 67.0°F (19.4°C) |                 |                 |                 |                 | 71.6°F (22.0°C) |                 |                 |                 |                 |
|                                                                             |                       | 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) |
| ACIQ-12FM-HH-MD<br>ACIQ-12ZPL-HP230C<br>(208-230V)<br>Test Airflow/CFM: 441 | -22°F (-30.0°C)       | TC                        | 8381            | 8393            | 8402            | 8402            | 8413            | 8886            | 8897            | 8906            | 8907            | 8918            | 9417            | 9429            | 9440            | 9442            | 9452            | 9985            | 9996            | 10006           | 10008           | 10020           |
|                                                                             |                       | S/T                       | 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            | 0.57            | 0.67            | 0.76            | 0.76            | 0.86            |
|                                                                             |                       | PI                        | 0.45            | 0.45            | 0.46            | 0.46            | 0.46            | 0.48            | 0.48            | 0.48            | 0.48            | 0.48            | 0.51            | 0.51            | 0.51            | 0.51            | 0.51            | 0.54            | 0.54            | 0.54            | 0.54            | 0.54            |
|                                                                             | -13°F (-25.0°C)       | TC                        | 9080            | 9092            | 9102            | 9102            | 9114            | 9627            | 9638            | 9648            | 9650            | 9661            | 10202           | 10215           | 10227           | 10229           | 10240           | 10817           | 10828           | 10840           | 10842           | 10855           |
|                                                                             |                       | 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            |
|                                                                             |                       | 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            | 0.59            | 0.59            | 0.59            | 0.59            | 0.59            |
|                                                                             | -4°F (-20.0°C)        | TC                        | 9778            | 9791            | 9802            | 9802            | 9815            | 10367           | 10380           | 10390           | 10392           | 10404           | 10987           | 11001           | 11013           | 11015           | 11028           | 11649           | 11661           | 11674           | 11676           | 11690           |
|                                                                             |                       | 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            |
|                                                                             |                       | PI                        | 0.53            | 0.53            | 0.53            | 0.53            | 0.53            | 0.56            | 0.56            | 0.56            | 0.56            | 0.56            | 0.60            | 0.60            | 0.60            | 0.60            | 0.60            | 0.63            | 0.63            | 0.63            | 0.63            | 0.63            |
|                                                                             | 0°F (-17.8°C)         | TC                        | 10089           | 10102           | 10113           | 10113           | 10127           | 10697           | 10709           | 10720           | 10722           | 10735           | 11336           | 11350           | 11363           | 11365           | 11378           | 12019           | 12032           | 12045           | 12047           | 12062           |
|                                                                             |                       | 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                        | 0.55            | 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            | 0.65            | 0.65            | 0.65            | 0.65            | 0.65            |
|                                                                             | 5°F (-15.0°C)         | TC                        | 10477           | 10491           | 10502           | 10502           | 10517           | 11108           | 11121           | 11132           | 11134           | 11147           | 11772           | 11787           | 11800           | 11802           | 11815           | 12481           | 12494           | 12508           | 12510           | 12526           |
|                                                                             |                       | 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                        | 0.57            | 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            | 0.68            | 0.68            | 0.68            | 0.68            | 0.68            |
|                                                                             | 14°F (-10.0°C)        | TC                        | 10623           | 10638           | 10649           | 10650           | 10664           | 11264           | 11277           | 11288           | 11290           | 11304           | 11937           | 11952           | 11965           | 11968           | 11981           | 12656           | 12669           | 12683           | 12685           | 12701           |
|                                                                             |                       | 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                        | 0.60            | 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            | 0.71            | 0.71            | 0.72            | 0.72            | 0.72            |
|                                                                             | 17°F (-8.3°C)         | TC                        | 10672           | 10687           | 10698           | 10699           | 10713           | 11315           | 11329           | 11340           | 11342           | 11356           | 11992           | 12007           | 12020           | 12023           | 12036           | 12714           | 12728           | 12742           | 12744           | 12760           |
|                                                                             |                       | 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                        | 0.61            | 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            |
|                                                                             | 23°F (-5.0°C)         | TC                        | 10869           | 10883           | 10895           | 10895           | 10910           | 11524           | 11537           | 11549           | 11551           | 11565           | 12212           | 12228           | 12242           | 12244           | 12258           | 12948           | 12962           | 12976           | 12978           | 12994           |
|                                                                             |                       | 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                        | 0.60            | 0.60            | 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            |
|                                                                             | 35°F (1.7°C)          | TC                        | 11261           | 11276           | 11289           | 11289           | 11304           | 11940           | 11954           | 11966           | 11968           | 11982           | 12653           | 12670           | 12684           | 12686           | 12700           | 13416           | 13430           | 13445           | 13447           | 13464           |
|                                                                             |                       | 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                        | 0.57            | 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            | 0.68            | 0.68            | 0.68            | 0.68            | 0.68            |
|                                                                             | 41°F (5.0°C)          | TC                        | 10978           | 10993           | 11005           | 11005           | 11020           | 11640           | 11654           | 11665           | 11667           | 11681           | 12335           | 12351           | 12365           | 12367           | 12381           | 13078           | 13093           | 13107           | 13109           | 13125           |
|                                                                             |                       | 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                        | 0.55            | 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            | 0.65            | 0.65            | 0.65            | 0.65            | 0.65            |
|                                                                             | 47°F (8.3°C)          | TC                        | 10695           | 10709           | 10721           | 10721           | 10736           | 11340           | 11353           | 11364           | 11366           | 11380           | 12017           | 12033           | 12046           | 12048           | 12062           | 12741           | 12755           | 12769           | 12771           | 12787           |
|                                                                             |                       | 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                        | 0.53            | 0.53            | 0.53            | 0.53            | 0.53            | 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            |
|                                                                             | 50°F (10.0°C)         | TC                        | 10901           | 10915           | 10927           | 10928           | 10942           | 11558           | 11571           | 11583           | 11585           | 11599           | 12248           | 12264           | 12278           | 12280           | 12294           | 12986           | 13000           | 13014           | 13017           | 13033           |
|                                                                             |                       | 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                        | 0.53            | 0.53            | 0.53            | 0.53            | 0.53            | 0.56            | 0.56            | 0.56            | 0.56            | 0.56            | 0.60            | 0.60            | 0.60            | 0.60            | 0.60            | 0.63            | 0.63            | 0.63            | 0.63            | 0.64            |
|                                                                             | 59°F (15.0°C)         | TC                        | 11518           | 11534           | 11546           | 11547           | 11562           | 12212           | 12227           | 12239           | 12241           | 12256           | 12942           | 12959           | 12973           | 12975           | 12990           | 13722           | 13737           | 13751           | 13754           | 13771           |
|                                                                             |                       | 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                        | 0.55            | 0.55            | 0.55            | 0.55            | 0.55            | 0.58            | 0.58            | 0.58            | 0.58            | 0.58            | 0.62            | 0.62            | 0.62            | 0.62            | 0.62            | 0.65            | 0.65            | 0.65            | 0.65            | 0.65            |
|                                                                             | 68°F (20.0°C)         | TC                        | 12135           | 12152           | 12165           | 12165           | 12182           | 12867           | 12882           | 12895           | 12897           | 12913           | 13635           | 13653           | 13668           | 13671           | 13686           | 14457           | 14473           | 14488           | 14491           | 14509           |
|                                                                             |                       | 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                        | 0.56            | 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            | 0.67            | 0.67            | 0.67            | 0.67            | 0.67            |
|                                                                             | 77°F (25.0°C)         | TC                        | 12753           | 12770           | 12784           | 12784           | 12801           | 13521           | 13537           | 13551           | 13553           | 13569           | 14329           | 14348           | 14364           | 14366           | 14382           | 15192           | 15209           | 15225           | 15228           | 15247           |
|                                                                             |                       | 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                        | 0.58            | 0.58            | 0.58            | 0.58            | 0.58            | 0.62            | 0.62            | 0.62            | 0.62            | 0.62            | 0.65            | 0.65            | 0.65            | 0.65            | 0.65            | 0.69            | 0.69            | 0.69            | 0.69            | 0.69            |
|                                                                             | 82°F (27.8°C)         | TC                        | 12893           | 12911           | 12925           | 12925           | 12943           | 13670           | 13687           | 13700           | 13703           | 13719           | 14487           | 14506           | 14522           | 14525           | 14541           | 15360           | 15377           | 15393           | 15396           | 15415           |
|                                                                             |                       | 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                        | 0.64            | 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            | 0.77            | 0.77            | 0.77            | 0.77            | 0.77            |
|                                                                             | 86°F (30.0°C)         | TC                        | 12751           | 12768           | 12782           | 12782           | 12799           | 13519           | 13535           | 13549           | 13551           | 13567           | 14327           | 14345           | 14361           | 14364           | 14380           | 15190           | 15207           | 15223           | 15225           | 15244           |
|                                                                             |                       | 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                        | 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            | 0.90            | 0.91            | 0.91            | 0.91            | 0.91            |
|                                                                             | 95°F (35.0°C)         | TC                        | 12430           | 12447           | 12460           | 12461           | 12477           | 13179           | 13195           | 13208           | 13210           | 13226           | 13966           | 13984           | 14000           | 14003           | 14018           | 14808           | 14824           | 14840           | 14842           | 14861           |
| S/T                                                                         |                       | 0.53                      | 0.63            | 0.71            | 0.71            | 0.81            | 0.57            | 0.66            | 0.75            | 0.75            | 0.86            |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |

HEATING PERFORMANCE

| Model                                                                       | Outdoor<br>Conditions DB | TC: Total Heating Capacity (BTU/hr) |                  |                  |                    |                    | PI: Power Input (kW)      |                  |                  |                    |                    |
|-----------------------------------------------------------------------------|--------------------------|-------------------------------------|------------------|------------------|--------------------|--------------------|---------------------------|------------------|------------------|--------------------|--------------------|
|                                                                             |                          | Indoor Conditions DB (°F)           |                  |                  |                    |                    | Indoor Conditions DB (°F) |                  |                  |                    |                    |
|                                                                             |                          | 60.8°F<br>(16.0°C)                  | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) | 60.8°F<br>(16.0°C)        | 68°F<br>(20.0°C) | 70°F<br>(21.1°C) | 71.6°F<br>(22.0°C) | 75.2°F<br>(24.0°C) |
| ACiQ-12FM-HH-MD<br>ACiQ-12ZPL-HP230C<br>(208-230V)<br>Test Airflow/CFM: 441 | -22°F<br>(-30.0°C)       | 4923                                | 4824             | 4800             | 4781               | 4738               | 1.34                      | 1.35             | 1.35             | 1.36               | 1.36               |
|                                                                             | -13°F<br>(-25.0°C)       | 6153                                | 6030             | 6000             | 5976               | 5922               | 1.40                      | 1.42             | 1.42             | 1.42               | 1.43               |
|                                                                             | -4°F<br>(-20.0°C)        | 8409                                | 8241             | 8200             | 8167               | 8094               | 1.52                      | 1.53             | 1.53             | 1.53               | 1.54               |
|                                                                             | 0°F<br>(-17.8°C)         | 9822                                | 9626             | 9578             | 9539               | 9454               | 1.62                      | 1.63             | 1.63             | 1.64               | 1.64               |
|                                                                             | 5°F<br>(-15.0°C)         | 11589                               | 11357            | 11300            | 11255              | 11154              | 1.74                      | 1.76             | 1.76             | 1.77               | 1.77               |
|                                                                             | 14°F<br>(-10.0°C)        | 12358                               | 12111            | 12050            | 12002              | 11894              | 1.69                      | 1.71             | 1.71             | 1.71               | 1.72               |
|                                                                             | 17°F<br>(-8.3°C)         | 12614                               | 12362            | 12300            | 12251              | 12141              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                                                                             | 22°F<br>(-5.6°C)         | 13081                               | 12820            | 12756            | 12705              | 12590              | 1.66                      | 1.67             | 1.68             | 1.68               | 1.69               |
|                                                                             | 27°F<br>(-2.8°C)         | 13549                               | 13278            | 13211            | 13158              | 13040              | 1.65                      | 1.66             | 1.66             | 1.67               | 1.67               |
|                                                                             | 32°F<br>(0.0°C)          | 14016                               | 13735            | 13667            | 13612              | 13490              | 1.63                      | 1.65             | 1.65             | 1.65               | 1.66               |
|                                                                             | 35°F<br>(1.7°C)          | 14296                               | 14010            | 13940            | 13884              | 13759              | 1.62                      | 1.64             | 1.64             | 1.64               | 1.65               |
|                                                                             | 37°F<br>(2.8°C)          | 14699                               | 14405            | 14333            | 14276              | 14148              | 1.58                      | 1.59             | 1.59             | 1.60               | 1.60               |
|                                                                             | 42°F<br>(5.6°C)          | 15708                               | 15394            | 15317            | 15255              | 15118              | 1.46                      | 1.47             | 1.47             | 1.47               | 1.48               |
|                                                                             | 44.6°F<br>(7.0°C)        | 16111                               | 15789            | 15710            | 15647              | 15506              | 1.41                      | 1.42             | 1.42             | 1.43               | 1.43               |
|                                                                             | 47°F<br>(8.3°C)          | 16716                               | 16382            | 16300            | 16235              | 16089              | 1.34                      | 1.35             | 1.35             | 1.35               | 1.36               |
|                                                                             | 52°F<br>(11.1°C)         | 16448                               | 16119            | 16039            | 15975              | 15831              | 1.18                      | 1.19             | 1.19             | 1.19               | 1.20               |
|                                                                             | 57°F<br>(13.9°C)         | 16181                               | 15857            | 15778            | 15715              | 15573              | 1.02                      | 1.03             | 1.03             | 1.03               | 1.04               |
|                                                                             | 59°F<br>(15.0°C)         | 16073                               | 15752            | 15673            | 15610              | 15470              | 0.96                      | 0.96             | 0.97             | 0.97               | 0.97               |
|                                                                             | 62°F<br>(16.7°C)         | 15913                               | 15594            | 15516            | 15454              | 15315              | 0.86                      | 0.87             | 0.87             | 0.87               | 0.87               |
|                                                                             | 64.4°F<br>(18.0°C)       | 15806                               | 15489            | 15412            | 15350              | 15212              | 0.80                      | 0.80             | 0.81             | 0.81               | 0.81               |

LEGEND  
• TC: Total Cooling Capacity (BTU/hr)  
• PI: Power Input (kW)  
• DB: Dry Bulb  
• WB: Wet Bulb