



ACiQ 12K Ceiling Cassette Air Handler & 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-12CC-HH-MC<br>ACIQ-12ZPL-HP230C<br>(208-230V)<br>Test Airflow/CFM: 418 | -22°F (-30.0°C)       | TC                        | 8594            | 8606            | 8615            | 8616            | 8627            | 9112            | 9123            | 9132            | 9134            | 9145            | 9657            | 9669            | 9680            | 9682            | 9693            | 10239           | 10250           | 10261           | 10262           | 10275           |
|                                                                             |                       | 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                        | 0.33            | 0.33            | 0.33            | 0.33            | 0.33            | 0.35            | 0.35            | 0.35            | 0.35            | 0.35            | 0.37            | 0.37            | 0.38            | 0.38            | 0.38            | 0.40            | 0.40            | 0.40            | 0.40            | 0.40            |
|                                                                             | -13°F (-25.0°C)       | TC                        | 9311            | 9323            | 9333            | 9334            | 9346            | 9872            | 9883            | 9893            | 9895            | 9907            | 10461           | 10475           | 10487           | 10489           | 10500           | 11092           | 11104           | 11116           | 11118           | 11131           |
|                                                                             |                       | 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                        | 0.36            | 0.36            | 0.36            | 0.36            | 0.36            | 0.38            | 0.38            | 0.38            | 0.38            | 0.38            | 0.41            | 0.41            | 0.41            | 0.41            | 0.41            | 0.43            | 0.43            | 0.43            | 0.43            | 0.43            |
|                                                                             | -4°F (-20.0°C)        | TC                        | 10027           | 10040           | 10051           | 10051           | 10065           | 10631           | 10644           | 10654           | 10656           | 10669           | 11266           | 11281           | 11293           | 11295           | 11308           | 11945           | 11958           | 11971           | 11973           | 11988           |
|                                                                             |                       | 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                        | 0.39            | 0.39            | 0.39            | 0.39            | 0.39            | 0.41            | 0.41            | 0.41            | 0.41            | 0.41            | 0.44            | 0.44            | 0.44            | 0.44            | 0.44            | 0.46            | 0.46            | 0.46            | 0.46            | 0.46            |
|                                                                             | 0°F (-17.8°C)         | TC                        | 10345           | 10359           | 10370           | 10371           | 10385           | 10968           | 10981           | 10992           | 10994           | 11008           | 11624           | 11639           | 11652           | 11654           | 11667           | 12324           | 12338           | 12351           | 12353           | 12368           |
|                                                                             |                       | 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                        | 0.40            | 0.40            | 0.40            | 0.40            | 0.40            | 0.43            | 0.43            | 0.43            | 0.43            | 0.43            | 0.45            | 0.45            | 0.45            | 0.45            | 0.45            | 0.48            | 0.48            | 0.48            | 0.48            | 0.48            |
|                                                                             | 5°F (-15.0°C)         | TC                        | 10743           | 10757           | 10769           | 10769           | 10784           | 11390           | 11404           | 11415           | 11417           | 11431           | 12071           | 12087           | 12100           | 12102           | 12116           | 12798           | 12812           | 12826           | 12828           | 12844           |
|                                                                             |                       | 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                        | 0.42            | 0.42            | 0.42            | 0.42            | 0.44            | 0.44            | 0.44            | 0.44            | 0.44            | 0.44            | 0.47            | 0.47            | 0.47            | 0.47            | 0.47            | 0.50            | 0.50            | 0.50            | 0.50            | 0.50            |
|                                                                             | 14°F (-10.0°C)        | TC                        | 10995           | 11010           | 11022           | 11022           | 11037           | 11658           | 11672           | 11683           | 11685           | 11699           | 12354           | 12370           | 12384           | 12386           | 12400           | 13099           | 13113           | 13127           | 13129           | 13146           |
|                                                                             |                       | 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                        | 0.43            | 0.43            | 0.43            | 0.43            | 0.43            | 0.45            | 0.45            | 0.45            | 0.45            | 0.45            | 0.48            | 0.48            | 0.48            | 0.48            | 0.48            | 0.51            | 0.51            | 0.51            | 0.51            | 0.51            |
|                                                                             | 17°F (-8.3°C)         | TC                        | 11079           | 11094           | 11106           | 11107           | 11122           | 11747           | 11761           | 11772           | 11775           | 11789           | 12449           | 12465           | 12479           | 12481           | 12495           | 13199           | 13213           | 13228           | 13230           | 13246           |
|                                                                             |                       | 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                        | 0.43            | 0.43            | 0.43            | 0.43            | 0.43            | 0.46            | 0.46            | 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            |
|                                                                             | 23°F (-5.0°C)         | TC                        | 11109           | 11124           | 11136           | 11137           | 11152           | 11779           | 11793           | 11804           | 11807           | 11821           | 12483           | 12499           | 12513           | 12515           | 12529           | 13235           | 13249           | 13264           | 13266           | 13282           |
|                                                                             |                       | 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                        | 0.46            | 0.46            | 0.46            | 0.46            | 0.46            | 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            |
|                                                                             | 35°F (1.7°C)          | TC                        | 11170           | 11185           | 11197           | 11197           | 11212           | 11843           | 11857           | 11869           | 11871           | 11885           | 12550           | 12567           | 12581           | 12583           | 12597           | 13307           | 13321           | 13336           | 13338           | 13354           |
|                                                                             |                       | 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                        | 0.52            | 0.52            | 0.52            | 0.52            | 0.55            | 0.55            | 0.55            | 0.55            | 0.55            | 0.55            | 0.59            | 0.59            | 0.59            | 0.59            | 0.59            | 0.62            | 0.62            | 0.62            | 0.62            | 0.62            |
|                                                                             | 41°F (5.0°C)          | TC                        | 11659           | 11674           | 11687           | 11687           | 11703           | 12361           | 12376           | 12388           | 12391           | 12405           | 13100           | 13117           | 13131           | 13134           | 13149           | 13889           | 13904           | 13919           | 13921           | 13939           |
|                                                                             |                       | 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            | 0.61            | 0.61            | 0.61            | 0.65            | 0.65            | 0.65            | 0.65            | 0.65            |
|                                                                             | 47°F (8.3°C)          | TC                        | 12148           | 12164           | 12177           | 12178           | 12194           | 12880           | 12895           | 12908           | 12910           | 12926           | 13649           | 13667           | 13682           | 13685           | 13700           | 14472           | 14487           | 14503           | 14505           | 14523           |
|                                                                             |                       | 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                        | 0.57            | 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            |
|                                                                             | 50°F (10.0°C)         | TC                        | 12278           | 12294           | 12308           | 12308           | 12325           | 13018           | 13033           | 13046           | 13049           | 13064           | 13796           | 13814           | 13829           | 13832           | 13847           | 14627           | 14643           | 14659           | 14661           | 14679           |
|                                                                             |                       | 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                        | 0.57            | 0.57            | 0.57            | 0.57            | 0.57            | 0.61            | 0.61            | 0.61            | 0.61            | 0.61            | 0.64            | 0.64            | 0.64            | 0.64            | 0.64            | 0.68            | 0.68            | 0.68            | 0.68            | 0.68            |
|                                                                             | 59°F (15.0°C)         | TC                        | 12669           | 12686           | 12700           | 12700           | 12717           | 13432           | 13448           | 13462           | 13464           | 13480           | 14235           | 14253           | 14269           | 14272           | 14288           | 15093           | 15109           | 15126           | 15128           | 15147           |
|                                                                             |                       | 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                        | 0.58            | 0.58            | 0.58            | 0.58            | 0.58            | 0.62            | 0.62            | 0.62            | 0.62            | 0.62            | 0.65            | 0.65            | 0.65            | 0.66            | 0.66            | 0.69            | 0.69            | 0.69            | 0.69            | 0.70            |
|                                                                             | 68°F (20.0°C)         | TC                        | 13060           | 13078           | 13092           | 13092           | 13110           | 13847           | 13863           | 13877           | 13880           | 13896           | 14674           | 14693           | 14710           | 14713           | 14729           | 15559           | 15575           | 15592           | 15595           | 15614           |
|                                                                             |                       | 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                        | 0.59            | 0.59            | 0.59            | 0.59            | 0.59            | 0.63            | 0.63            | 0.63            | 0.63            | 0.63            | 0.66            | 0.66            | 0.67            | 0.67            | 0.67            | 0.70            | 0.70            | 0.71            | 0.71            | 0.71            |
|                                                                             | 77°F (25.0°C)         | TC                        | 13451           | 13469           | 13484           | 13484           | 13502           | 14262           | 14279           | 14293           | 14296           | 14312           | 15114           | 15133           | 15150           | 15153           | 15170           | 16024           | 16042           | 16059           | 16062           | 16082           |
|                                                                             |                       | 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                        | 0.60            | 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            | 0.72            | 0.72            | 0.72            | 0.72            | 0.72            |
|                                                                             | 82°F (27.8°C)         | TC                        | 13561           | 13579           | 13594           | 13594           | 13613           | 14378           | 14395           | 14409           | 14412           | 14429           | 15237           | 15257           | 15274           | 15277           | 15294           | 16155           | 16173           | 16190           | 16193           | 16213           |
|                                                                             |                       | 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                        | 0.67            | 0.67            | 0.67            | 0.67            | 0.67            | 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            |
|                                                                             | 86°F (30.0°C)         | TC                        | 13513           | 13532           | 13546           | 13547           | 13565           | 14328           | 14345           | 14359           | 14362           | 14379           | 15184           | 15204           | 15220           | 15223           | 15240           | 16099           | 16116           | 16134           | 16136           | 16156           |
|                                                                             |                       | 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                        | 0.81            | 0.81            | 0.81            | 0.81            | 0.81            | 0.86            | 0.86            | 0.86            | 0.86            | 0.86            | 0.91            | 0.91            | 0.91            | 0.91            | 0.91            | 0.96            | 0.96            | 0.97            | 0.97            | 0.97            |
|                                                                             | 95°F (35.0°C)         | TC                        | 13406           | 13424           | 13439           | 13440           | 13458           | 14214           | 14231           | 14245           | 14248           | 14265           | 15064           | 15083           | 15100           | 15103           | 15120           | 15971           | 15989           | 16006           | 16008           | 16028           |
| S/T                                                                         |                       | 0.53                      | 0.63            | 0.71            | 0.71            | 0.81            | 0.57            | 0.66            | 0.75            | 0.75            | 0.86            | 0.60            |                 |                 |                 |                 |                 |                 |                 |                 |                 |                 |

HEATING PERFORMANCE

| Model                                                                       | Outdoor 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-12CC-HH-MC<br>ACiQ-12ZPL-HP230C<br>(208-230V)<br>Test Airflow/CFM: 418 | -22°F<br>(-30.0°C)    | 4410                                | 4322             | 4300             | 4283               | 4244               | 1.20                      | 1.21             | 1.21             | 1.21               | 1.22               |
|                                                                             | -13°F<br>(-25.0°C)    | 5743                                | 5628             | 5600             | 5578               | 5527               | 1.25                      | 1.26             | 1.26             | 1.27               | 1.27               |
|                                                                             | -4°F<br>(-20.0°C)     | 7692                                | 7538             | 7500             | 7470               | 7403               | 1.31                      | 1.32             | 1.32             | 1.33               | 1.33               |
|                                                                             | 0°F<br>(-17.8°C)      | 9515                                | 9324             | 9278             | 9241               | 9158               | 1.47                      | 1.48             | 1.48             | 1.49               | 1.49               |
|                                                                             | 5°F<br>(-15.0°C)      | 11794                               | 11558            | 11500            | 11454              | 11351              | 1.67                      | 1.68             | 1.69             | 1.69               | 1.70               |
|                                                                             | 14°F<br>(-10.0°C)     | 12870                               | 12613            | 12550            | 12500              | 12387              | 1.73                      | 1.74             | 1.75             | 1.75               | 1.76               |
|                                                                             | 17°F<br>(-8.3°C)      | 13229                               | 12965            | 12900            | 12848              | 12733              | 1.75                      | 1.76             | 1.77             | 1.77               | 1.78               |
|                                                                             | 22°F<br>(-5.6°C)      | 13898                               | 13620            | 13552            | 13498              | 13377              | 1.73                      | 1.74             | 1.74             | 1.75               | 1.75               |
|                                                                             | 27°F<br>(-2.8°C)      | 14567                               | 14276            | 14205            | 14148              | 14020              | 1.70                      | 1.72             | 1.72             | 1.72               | 1.73               |
|                                                                             | 32°F<br>(0.0°C)       | 15236                               | 14932            | 14857            | 14797              | 14664              | 1.68                      | 1.69             | 1.69             | 1.70               | 1.70               |
|                                                                             | 35°F<br>(1.7°C)       | 15638                               | 15325            | 15248            | 15187              | 15051              | 1.66                      | 1.68             | 1.68             | 1.68               | 1.69               |
|                                                                             | 37°F<br>(2.8°C)       | 15817                               | 15501            | 15424            | 15362              | 15224              | 1.61                      | 1.62             | 1.62             | 1.62               | 1.63               |
|                                                                             | 42°F<br>(5.6°C)       | 16267                               | 15941            | 15862            | 15798              | 15656              | 1.46                      | 1.47             | 1.48             | 1.48               | 1.48               |
|                                                                             | 44.6°F<br>(7.0°C)     | 16447                               | 16118            | 16037            | 15973              | 15829              | 1.40                      | 1.41             | 1.42             | 1.42               | 1.43               |
|                                                                             | 47°F<br>(8.3°C)       | 16716                               | 16382            | 16300            | 16235              | 16089              | 1.32                      | 1.33             | 1.33             | 1.33               | 1.34               |
|                                                                             | 52°F<br>(11.1°C)      | 16448                               | 16119            | 16039            | 15975              | 15831              | 1.16                      | 1.17             | 1.18             | 1.18               | 1.18               |
|                                                                             | 57°F<br>(13.9°C)      | 16181                               | 15857            | 15778            | 15715              | 15573              | 1.01                      | 1.02             | 1.02             | 1.02               | 1.03               |
|                                                                             | 59°F<br>(15.0°C)      | 16073                               | 15752            | 15673            | 15610              | 15470              | 0.95                      | 0.96             | 0.96             | 0.96               | 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