



ACiQ 24K Ducted Wall-Mount Air Handler & 24K Std. Heat 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-24W-WMB<br>ACIQ-24-EHPD<br>(208-230V)<br>Test Airflow/CFM: 824 | -13°F (-25.0°C)       | TC                        | 20090           | 20117           | 20138           | 20139           | 20166           | 21300           | 21326           | 21347           | 21351           | 21376           | 22573           | 22602           | 22627           | 22632           | 22657           | 23933           | 23959           | 23985           | 23989           | 24019           |
|                                                                     |                       | 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                        | 1.03            | 1.03            | 1.03            | 1.03            | 1.04            | 1.09            | 1.09            | 1.10            | 1.10            | 1.10            | 1.16            | 1.16            | 1.16            | 1.16            | 1.16            | 1.23            | 1.23            | 1.23            | 1.23            | 1.23            |
|                                                                     | -4°F (-20.0°C)        | TC                        | 21635           | 21664           | 21687           | 21688           | 21718           | 22939           | 22966           | 22989           | 22993           | 23021           | 24309           | 24341           | 24368           | 24373           | 24400           | 25774           | 25802           | 25830           | 25834           | 25866           |
|                                                                     |                       | 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                        | 1.11            | 1.11            | 1.11            | 1.11            | 1.11            | 1.18            | 1.18            | 1.18            | 1.18            | 1.18            | 1.25            | 1.25            | 1.25            | 1.25            | 1.25            | 1.32            | 1.32            | 1.33            | 1.33            | 1.33            |
|                                                                     | 0°F (-17.8°C)         | TC                        | 22322           | 22352           | 22376           | 22377           | 22407           | 23667           | 23695           | 23719           | 23723           | 23751           | 25081           | 25114           | 25142           | 25146           | 25174           | 26592           | 26621           | 26650           | 26654           | 26687           |
|                                                                     |                       | 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                        | 1.15            | 1.15            | 1.15            | 1.15            | 1.15            | 1.21            | 1.22            | 1.22            | 1.22            | 1.22            | 1.29            | 1.29            | 1.29            | 1.29            | 1.29            | 1.36            | 1.37            | 1.37            | 1.37            | 1.37            |
|                                                                     | 5°F (-15.0°C)         | TC                        | 23180           | 23212           | 23237           | 23238           | 23269           | 24577           | 24606           | 24631           | 24636           | 24665           | 26046           | 26080           | 26109           | 26113           | 26143           | 27615           | 27645           | 27675           | 27679           | 27714           |
|                                                                     |                       | 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                        | 1.19            | 1.19            | 1.19            | 1.19            | 1.19            | 1.26            | 1.26            | 1.26            | 1.26            | 1.27            | 1.34            | 1.34            | 1.34            | 1.34            | 1.34            | 1.42            | 1.42            | 1.42            | 1.42            | 1.42            |
|                                                                     | 14°F (-10.0°C)        | TC                        | 24055           | 24087           | 24113           | 24115           | 24147           | 25505           | 25535           | 25560           | 25565           | 25596           | 27029           | 27064           | 27094           | 27099           | 27129           | 28657           | 28688           | 28719           | 28724           | 28760           |
|                                                                     |                       | 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                        | 1.23            | 1.23            | 1.23            | 1.23            | 1.23            | 1.30            | 1.30            | 1.31            | 1.31            | 1.31            | 1.38            | 1.38            | 1.38            | 1.38            | 1.39            | 1.46            | 1.47            | 1.47            | 1.47            | 1.47            |
|                                                                     | 17°F (-8.3°C)         | TC                        | 24347           | 24379           | 24406           | 24407           | 24440           | 25814           | 25845           | 25870           | 25875           | 25906           | 27356           | 27392           | 27422           | 27427           | 27458           | 29004           | 29036           | 29068           | 29072           | 29108           |
|                                                                     |                       | 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                        | 1.24            | 1.24            | 1.25            | 1.25            | 1.25            | 1.32            | 1.32            | 1.32            | 1.32            | 1.32            | 1.40            | 1.40            | 1.40            | 1.40            | 1.40            | 1.48            | 1.48            | 1.48            | 1.48            | 1.49            |
|                                                                     | 23°F (-5.0°C)         | TC                        | 24619           | 24652           | 24679           | 24680           | 24713           | 26103           | 26134           | 26160           | 26165           | 26196           | 27663           | 27698           | 27729           | 27734           | 27765           | 29329           | 29361           | 29393           | 29398           | 29434           |
|                                                                     |                       | 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                        | 1.35            | 1.35            | 1.35            | 1.35            | 1.35            | 1.43            | 1.43            | 1.43            | 1.43            | 1.43            | 1.51            | 1.51            | 1.52            | 1.52            | 1.52            | 1.60            | 1.60            | 1.61            | 1.61            | 1.61            |
|                                                                     | 35°F (1.7°C)          | TC                        | 25165           | 25198           | 25226           | 25227           | 25261           | 26681           | 26713           | 26739           | 26744           | 26776           | 28275           | 28312           | 28343           | 28349           | 28380           | 29979           | 30011           | 30044           | 30049           | 30086           |
|                                                                     |                       | 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                        | 1.55            | 1.55            | 1.55            | 1.55            | 1.55            | 1.64            | 1.65            | 1.65            | 1.65            | 1.65            | 1.74            | 1.75            | 1.75            | 1.75            | 1.75            | 1.85            | 1.85            | 1.85            | 1.85            | 1.85            |
|                                                                     | 41°F (5.0°C)          | TC                        | 23176           | 23207           | 23232           | 23233           | 23264           | 24573           | 24602           | 24626           | 24631           | 24660           | 26041           | 26074           | 26104           | 26108           | 26137           | 27610           | 27640           | 27670           | 27674           | 27708           |
|                                                                     |                       | 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                        | 1.24            | 1.24            | 1.25            | 1.25            | 1.25            | 1.32            | 1.32            | 1.32            | 1.32            | 1.32            | 1.40            | 1.40            | 1.40            | 1.40            | 1.40            | 1.48            | 1.48            | 1.48            | 1.48            | 1.49            |
|                                                                     | 47°F (8.3°C)          | TC                        | 21187           | 21216           | 21238           | 21239           | 21268           | 22464           | 22491           | 22513           | 22517           | 22544           | 23806           | 23837           | 23864           | 23868           | 23895           | 25240           | 25268           | 25295           | 25299           | 25331           |
|                                                                     |                       | 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                        | 0.93            | 0.94            | 0.94            | 0.94            | 0.94            | 0.99            | 0.99            | 0.99            | 0.99            | 0.99            | 1.05            | 1.05            | 1.05            | 1.05            | 1.05            | 1.11            | 1.11            | 1.12            | 1.12            | 1.12            |
|                                                                     | 50°F (10.0°C)         | TC                        | 21304           | 21333           | 21356           | 21357           | 21386           | 22588           | 22615           | 22637           | 22642           | 22669           | 23938           | 23969           | 23995           | 24000           | 24027           | 25380           | 25407           | 25435           | 25439           | 25471           |
|                                                                     |                       | 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                        | 0.96            | 0.96            | 0.96            | 0.96            | 0.96            | 1.01            | 1.02            | 1.02            | 1.02            | 1.02            | 1.08            | 1.08            | 1.08            | 1.08            | 1.08            | 1.14            | 1.14            | 1.14            | 1.14            | 1.14            |
|                                                                     | 59°F (15.0°C)         | TC                        | 21656           | 21685           | 21708           | 21709           | 21738           | 22961           | 22988           | 23010           | 23015           | 23042           | 24332           | 24364           | 24391           | 24396           | 24423           | 25798           | 25826           | 25855           | 25859           | 25891           |
|                                                                     |                       | 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                        | 1.03            | 1.03            | 1.03            | 1.03            | 1.03            | 1.09            | 1.09            | 1.09            | 1.09            | 1.09            | 1.15            | 1.15            | 1.16            | 1.16            | 1.16            | 1.22            | 1.22            | 1.22            | 1.22            | 1.23            |
|                                                                     | 68°F (20.0°C)         | TC                        | 22007           | 22036           | 22060           | 22061           | 22091           | 23333           | 23361           | 23384           | 23388           | 23416           | 24727           | 24759           | 24787           | 24791           | 24819           | 26217           | 26245           | 26274           | 26278           | 26311           |
|                                                                     |                       | 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                        | 1.09            | 1.10            | 1.10            | 1.10            | 1.10            | 1.16            | 1.16            | 1.16            | 1.16            | 1.16            | 1.23            | 1.23            | 1.23            | 1.23            | 1.23            | 1.30            | 1.31            | 1.31            | 1.31            | 1.31            |
|                                                                     | 77°F (25.0°C)         | TC                        | 22358           | 22388           | 22412           | 22413           | 22444           | 23706           | 23734           | 23757           | 23762           | 23790           | 25122           | 25154           | 25183           | 25187           | 25215           | 26635           | 26664           | 26693           | 26698           | 26731           |
|                                                                     |                       | 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                        | 1.17            | 1.16            | 1.17            | 1.17            | 1.17            | 1.23            | 1.24            | 1.24            | 1.24            | 1.24            | 1.31            | 1.31            | 1.31            | 1.31            | 1.31            | 1.39            | 1.39            | 1.39            | 1.39            | 1.39            |
|                                                                     | 82°F (27.8°C)         | TC                        | 22750           | 22781           | 22805           | 22806           | 22837           | 24121           | 24150           | 24174           | 24178           | 24207           | 25562           | 25596           | 25624           | 25629           | 25657           | 27103           | 27132           | 27162           | 27166           | 27200           |
|                                                                     |                       | 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                        | 1.36            | 1.37            | 1.37            | 1.37            | 1.37            | 1.45            | 1.45            | 1.45            | 1.45            | 1.45            | 1.53            | 1.54            | 1.54            | 1.54            | 1.54            | 1.63            | 1.63            | 1.63            | 1.63            | 1.63            |
|                                                                     | 86°F (30.0°C)         | TC                        | 23312           | 23344           | 23369           | 23370           | 23401           | 24717           | 24746           | 24771           | 24776           | 24805           | 26194           | 26228           | 26257           | 26262           | 26291           | 27772           | 27802           | 27833           | 27837           | 27872           |
|                                                                     |                       | S/T                       | 0.53            | 0.63            | 0.71            | 0.71            | 0.81            | 0.57            | 0.66            | 0.75            | 0.75            | 0.86            | 0.60            | 0.70            | 0.80            | 0.80            | 0.91            | 0.64            | 0.75            | 0.85            | 0.85            | 0.97            |
|                                                                     |                       | PI                        | 1.73            | 1.73            | 1.73            | 1.73            | 1.74            | 1.83            | 1.84            | 1.84            | 1.84            | 1.84            | 1.94            | 1.95            | 1.95            | 1.95            | 1.95            | 2.06            | 2.06            | 2.07            | 2.07            | 2.07            |
|                                                                     | 95°F (35.0°C)         | TC                        | 24577           | 24610           | 24636           | 24638           | 24671           | 26058           | 26089           | 26115           | 26120           | 26151           | 27615           | 27651           | 27682           | 27687           | 27718           | 29279           | 29311           | 29342           | 29347           | 29384           |
|                                                                     |                       | 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                        | 2.55            | 2.56            | 2.56            | 2.56            | 2.56            | 2.71            | 2.71            | 2.71            | 2.71            | 2.72            | 2.87            | 2.87            | 2.88            | 2.88            | 2.88            | 3.04            | 3.05            | 3.05            | 3.05            | 3.05            |
|                                                                     | 104°F (40.0°C)        | TC                        | 22449           | 22479           | 22503           | 22504           | 22535           | 23802           | 23830           | 23853           | 23858           | 23886           | 25224           | 25256           | 25285           | 25289           | 25318           | 26743           | 26773           | 26802           | 26806           | 26839           |
| S/T                                                                 |                       | 0.55                      | 0.64            | 0.73            | 0.73            | 0.83            | 0.58            | 0.68            | 0.77            | 0.77            | 0.88            | 0.62            | 0.72            | 0.82            | 0.82            |                 |                 |                 |                 |                 |                 |                 |

| 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-24W-WMB<br>ACiQ-24-EHPD<br>(208-230V)<br>Test Airflow/CFM: 824 | -13°F<br>(-25.0°C)                                                                                            | 15256                               | 14951            | 14876            | 14817              | 14683              | 2.34                      | 2.36             | 2.36             | 2.37               | 2.38               |
|                                                                     | -4°F<br>(-20.0°C)                                                                                             | 17713                               | 17358            | 17272            | 17202              | 17048              | 2.65                      | 2.67             | 2.68             | 2.68               | 2.69               |
|                                                                     | -0°F<br>(-17.8°C)                                                                                             | 18923                               | 18544            | 18451            | 18378              | 18212              | 2.77                      | 2.79             | 2.79             | 2.80               | 2.81               |
|                                                                     | 5°F<br>(-15.0°C)                                                                                              | 20435                               | 20026            | 19926            | 19846              | 19668              | 2.91                      | 2.94             | 2.94             | 2.95               | 2.96               |
|                                                                     | 14°F<br>(-10.0°C)                                                                                             | 22524                               | 22073            | 21963            | 21875              | 21678              | 2.61                      | 2.63             | 2.63             | 2.64               | 2.65               |
|                                                                     | 17°F<br>(-8.3°C)                                                                                              | 23220                               | 22756            | 22642            | 22551              | 22349              | 2.50                      | 2.52             | 2.53             | 2.53               | 2.54               |
|                                                                     | 22°F<br>(-5.6°C)                                                                                              | 23786                               | 23310            | 23194            | 23101              | 22893              | 2.50                      | 2.52             | 2.53             | 2.53               | 2.54               |
|                                                                     | 27°F<br>(-2.8°C)                                                                                              | 24352                               | 23865            | 23745            | 23650              | 23437              | 2.50                      | 2.52             | 2.52             | 2.53               | 2.54               |
|                                                                     | 32°F<br>(0.0°C)                                                                                               | 24917                               | 24419            | 24297            | 24200              | 23982              | 2.50                      | 2.52             | 2.52             | 2.53               | 2.54               |
|                                                                     | 35°F<br>(1.7°C)                                                                                               | 25257                               | 24752            | 24628            | 24529              | 24309              | 2.49                      | 2.51             | 2.52             | 2.53               | 2.54               |
|                                                                     | 37°F<br>(2.8°C)                                                                                               | 26548                               | 26018            | 25887            | 25784              | 25552              | 2.51                      | 2.53             | 2.53             | 2.54               | 2.55               |
|                                                                     | 42°F<br>(5.6°C)                                                                                               | 29778                               | 29182            | 29036            | 28920              | 28660              | 2.54                      | 2.56             | 2.56             | 2.57               | 2.58               |
|                                                                     | 44.6°F<br>(7.0°C)                                                                                             | 31070                               | 30448            | 30296            | 30175              | 29903              | 2.55                      | 2.57             | 2.58             | 2.58               | 2.59               |
|                                                                     | 47°F<br>(8.3°C)                                                                                               | 33007                               | 32347            | 32185            | 32057              | 31768              | 2.57                      | 2.59             | 2.59             | 2.60               | 2.61               |
|                                                                     | 52°F<br>(11.1°C)                                                                                              | 30283                               | 29677            | 29529            | 29411              | 29146              | 2.51                      | 2.53             | 2.53             | 2.54               | 2.55               |
|                                                                     | 57°F<br>(13.9°C)                                                                                              | 27559                               | 27008            | 26873            | 26765              | 26524              | 2.45                      | 2.47             | 2.47             | 2.48               | 2.49               |
|                                                                     | 59°F<br>(15.0°C)                                                                                              | 26469                               | 25940            | 25810            | 25707              | 25476              | 2.42                      | 2.44             | 2.45             | 2.45               | 2.46               |
|                                                                     | 62°F<br>(16.7°C)                                                                                              | 24835                               | 24338            | 24216            | 24120              | 23902              | 2.39                      | 2.41             | 2.41             | 2.42               | 2.43               |
|                                                                     | 64.4°F<br>(18.0°C)                                                                                            | 23745                               | 23270            | 23154            | 23061              | 22854              | 2.36                      | 2.38             | 2.39             | 2.39               | 2.40               |
|                                                                     | LEGEND<br>• TC: Total Cooling Capacity (BTU/hr)<br>• PI: Power Input (kW)<br>• DB: Dry Bulb<br>• WB: Wet Bulb |                                     |                  |                  |                    |                    |                           |                  |                  |                    |                    |