

## Appendix D - Reheat Data for (-)ACDYB 8.5 Ton

| GROSS SYSTEMS PERFORMANCE DATA (LOW REHEAT MODE) - (-)ACDYB102 |               |                                            |                                 |                                 |                                 |                                |                                |                                |                                |                                |                                |
|----------------------------------------------------------------|---------------|--------------------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Entering Indoor Air @ 75°F [23.9°C] dbE                        |               |                                            |                                 |                                 |                                 |                                |                                |                                |                                |                                |                                |
| wbE                                                            |               | 65.3°F [18.5°C]                            |                                 |                                 | 64°F [17.8°C]                   |                                |                                | 62.5°F [16.9°C]                |                                |                                |                                |
| CFM [L/s]                                                      |               | 2420 [1142]                                | 2015 [951]                      | 1610 [760]                      | 2420 [1142]                     | 2015 [951]                     | 1610 [760]                     | 2420 [1142]                    | 2015 [951]                     | 1610 [760]                     |                                |
| Outdoor Dry Bulb Temperature                                   | 60°F [15.6°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 38.5 [11.3]<br>5.2 [1.5]<br>5.3 | 37.1 [10.9]<br>4.7 [1.4]<br>5.2 | 35.8 [10.5]<br>4.3 [1.3]<br>5.1 | 32.6 [9.5]<br>5.1 [1.5]<br>5.1 | 31.4 [9.2]<br>4.6 [1.4]<br>5.1 | 30.3 [8.9]<br>4.2 [1.2]<br>5   | 28.3 [8.3]<br>6.9 [2]<br>5     | 27.3 [8]<br>6.3 [1.8]<br>4.9   | 26.3 [7.7]<br>5.7 [1.7]<br>4.8 |
|                                                                | 65°F [18.3°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 37.9 [11.1]<br>4.2 [1.2]<br>5.4 | 36.5 [10.7]<br>3.8 [1.1]<br>5.3 | 35.2 [10.3]<br>3.5 [1]<br>5.2   | 31.9 [9.3]<br>4.1 [1.2]<br>5.2 | 30.8 [9]<br>3.7 [1.1]<br>5.1   | 29.7 [8.7]<br>3.4 [1]<br>5     | 27.6 [8.1]<br>5.9 [1.7]<br>5   | 26.7 [7.8]<br>5.4 [1.6]<br>5   | 25.7 [7.5]<br>4.9 [1.4]<br>4.9 |
|                                                                | 70°F [21.1°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 37.2 [10.9]<br>3.4 [1]<br>5.5   | 35.8 [10.5]<br>3.1 [0.9]<br>5.4 | 34.5 [10.1]<br>2.8 [0.8]<br>5.3 | 31.2 [9.1]<br>3.3 [1]<br>5.3   | 30.1 [8.8]<br>3 [0.9]<br>5.2   | 29 [8.5]<br>2.7 [0.8]<br>5.1   | 26.9 [7.9]<br>5.1 [1.5]<br>5.1 | 26 [7.6]<br>4.7 [1.4]<br>5     | 25 [7.3]<br>4.2 [1.2]<br>4.9   |
|                                                                | 75°F [23.9°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 36.4 [10.7]<br>2.9 [0.8]<br>5.5 | 35.1 [10.3]<br>2.6 [0.8]<br>5.4 | 33.8 [9.9]<br>2.4 [0.7]<br>5.3  | 30.5 [8.9]<br>2.7 [0.8]<br>5.3 | 29.4 [8.6]<br>2.5 [0.7]<br>5.3 | 28.3 [8.3]<br>2.3 [0.7]<br>5.2 | 26.2 [7.7]<br>4.5 [1.3]<br>5.2 | 25.3 [7.4]<br>4.2 [1.2]<br>5.1 | 24.4 [7.1]<br>3.8 [1.1]<br>5   |
|                                                                | 80°F [26.7°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 35.6 [10.4]<br>2.5 [0.7]<br>5.5 | 34.4 [10.1]<br>2.3 [0.7]<br>5.4 | 33.1 [9.7]<br>2.1 [0.6]<br>5.4  | 29.7 [8.7]<br>2.4 [0.7]<br>5.4 | 28.6 [8.4]<br>2.2 [0.6]<br>5.3 | 27.6 [8.1]<br>2 [0.6]<br>5.2   | 25.4 [7.4]<br>4.2 [1.2]<br>5.2 | 24.5 [7.2]<br>3.8 [1.1]<br>5.1 | 23.6 [6.9]<br>3.5 [1]<br>5     |
|                                                                | 85°F [29.4°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 34.8 [10.2]<br>2.3 [0.7]<br>5.6 | 33.5 [9.8]<br>2.1 [0.6]<br>5.5  | 32.3 [9.5]<br>1.9 [0.6]<br>5.4  | 28.8 [8.4]<br>2.2 [0.6]<br>5.4 | 27.8 [8.1]<br>2 [0.6]<br>5.3   | 26.8 [7.9]<br>1.8 [0.5]<br>5.2 | 24.6 [7.2]<br>4 [1.2]<br>5.2   | 23.7 [6.9]<br>3.7 [1.1]<br>5.1 | 22.8 [6.7]<br>3.3 [1]<br>5     |
|                                                                | 90°F [32.2°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 33.9 [9.9]<br>2.3 [0.7]<br>5.6  | 32.7 [9.6]<br>2.1 [0.6]<br>5.5  | 31.5 [9.2]<br>1.9 [0.6]<br>5.4  | 27.9 [8.2]<br>2.2 [0.6]<br>5.4 | 27 [7.9]<br>2 [0.6]<br>5.3     | 26 [7.6]<br>1.8 [0.5]<br>5.2   | 23.7 [6.9]<br>4 [1.2]<br>5.2   | 22.8 [6.7]<br>3.7 [1.1]<br>5.1 | 22 [6.4]<br>3.3 [1]<br>5.1     |

| GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) - (-)ACDYB102 |                |                                            |                                  |                                  |                                 |                                 |                                  |                                  |                                  |                                  |                                  |
|-----------------------------------------------------------------|----------------|--------------------------------------------|----------------------------------|----------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Entering Indoor Air @ 75°F [23.9°C] dbE                         |                |                                            |                                  |                                  |                                 |                                 |                                  |                                  |                                  |                                  |                                  |
| wbE                                                             |                | 65.3°F [18.5°C]                            |                                  |                                  | 64°F [17.8°C]                   |                                 |                                  | 62.5°F [16.9°C]                  |                                  |                                  |                                  |
| CFM [L/s]                                                       |                | 4080 [1926]                                | 3375 [1593]                      | 2720 [1284]                      | 4080 [1926]                     | 3375 [1593]                     | 2720 [1284]                      | 4080 [1926]                      | 3375 [1593]                      | 2720 [1284]                      |                                  |
| Outdoor Dry Bulb Temperature                                    | 60°F [15.6°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 69.8 [20.5]<br>17.7 [5.2]<br>7.1 | 67.3 [19.7]<br>16.1 [4.7]<br>6.9 | 64.9 [19]<br>14.7 [4.3]<br>6.8  | 50.2 [14.7]<br>14.6 [4.3]<br>7  | 48.3 [14.2]<br>13.3 [3.9]<br>6.9 | 46.6 [13.7]<br>12.1 [3.5]<br>6.8 | 50.1 [14.7]<br>22.7 [6.6]<br>7.1 | 48.2 [14.1]<br>20.6 [6]<br>6.9   | 46.5 [13.6]<br>18.8 [5.5]<br>6.8 |
|                                                                 | 70°F [21.1°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 64.5 [18.9]<br>12.5 [3.7]<br>7.1 | 62.1 [18.2]<br>11.4 [3.3]<br>7   | 60 [17.6]<br>10.3 [3]<br>6.9    | 44.9 [13.1]<br>9.4 [2.8]<br>7.1 | 43.2 [12.7]<br>8.6 [2.5]<br>6.9  | 41.7 [12.2]<br>7.8 [2.3]<br>6.8  | 44.8 [13.1]<br>17.4 [5.1]<br>7.1 | 43.1 [12.6]<br>15.9 [4.7]<br>7   | 41.6 [12.2]<br>14.5 [4.2]<br>6.9 |
|                                                                 | 80°F [26.7°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 60.8 [17.8]<br>9 [2.6]<br>7.3    | 58.5 [17.2]<br>8.2 [2.4]<br>7.1  | 56.5 [16.5]<br>7.4 [2.2]<br>7   | 41.1 [12.1]<br>5.9 [1.7]<br>7.2 | 39.6 [11.6]<br>5.3 [1.6]<br>7.1  | 38.2 [11.2]<br>4.9 [1.4]<br>7    | 41 [12]<br>13.9 [4.1]<br>7.3     | 39.5 [11.6]<br>12.7 [3.7]<br>7.2 | 38.1 [11.2]<br>11.5 [3.4]<br>7   |
|                                                                 | 90°F [32.2°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 58.6 [17.2]<br>7.1 [2.1]<br>7.5  | 56.4 [16.5]<br>6.5 [1.9]<br>7.4  | 54.5 [16]<br>5.9 [1.7]<br>7.3   | 39 [11.4]<br>4 [1.2]<br>7.5     | 37.5 [11]<br>3.7 [1.1]<br>7.4    | 36.2 [10.6]<br>3.3 [1]<br>7.2    | 38.9 [11.4]<br>12.1 [3.5]<br>7.6 | 37.4 [11]<br>11 [3.2]<br>7.4     | 36.1 [10.6]<br>10 [2.9]<br>7.3   |
|                                                                 | 100°F [37.8°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 58 [17]<br>7 [2.1]<br>7.9        | 55.9 [16.4]<br>6.4 [1.9]<br>7.8  | 53.9 [15.8]<br>5.8 [1.7]<br>7.6 | 38.4 [11.2]<br>3.9 [1.1]<br>7.9 | 37 [10.8]<br>3.6 [1]<br>7.7      | 35.7 [10.4]<br>3.2 [0.9]<br>7.6  | 38.3 [11.2]<br>12 [3.5]<br>7.9   | 36.9 [10.8]<br>10.9 [3.2]<br>7.8 | 35.6 [10.4]<br>9.9 [2.9]<br>7.6  |
|                                                                 | 110°F [43.3°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 59 [17.3]<br>8.6 [2.5]<br>8.4    | 56.8 [16.6]<br>7.8 [2.3]<br>8.2  | 54.8 [16.1]<br>7.1 [2.1]<br>8.1 | 39.3 [11.5]<br>5.5 [1.6]<br>8.3 | 37.9 [11.1]<br>5 [1.5]<br>8.2    | 36.6 [10.7]<br>4.5 [1.3]<br>8    | 39.2 [11.5]<br>13.5 [4]<br>8.4   | 37.8 [11.1]<br>12.3 [3.6]<br>8.2 | 36.5 [10.7]<br>11.2 [3.3]<br>8.1 |
|                                                                 | 120°F [48.9°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 61.5 [18]<br>11.8 [3.5]<br>8.9   | 59.2 [17.4]<br>10.8 [3.2]<br>8.8 | 57.2 [16.7]<br>9.8 [2.9]<br>8.6 | 41.9 [12.3]<br>8.7 [2.6]<br>8.9 | 40.3 [11.8]<br>7.9 [2.3]<br>8.7  | 38.9 [11.4]<br>7.2 [2.1]<br>8.6  | 41.8 [12.2]<br>16.8 [4.9]<br>8.9 | 40.2 [11.8]<br>15.3 [4.5]<br>8.8 | 38.8 [11.4]<br>13.9 [4.1]<br>8.6 |

# P. APPENDICES

## Appendix D - Reheat Data for (-)ACDYB 10 Ton

| GROSS SYSTEMS PERFORMANCE DATA (LOW REHEAT MODE) - (-)ACDYB120 |               |                                            |                                 |                                 |                                 |                                |                                |                                |                                |                                |                                |
|----------------------------------------------------------------|---------------|--------------------------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Entering Indoor Air @ 75°F [23.9°C] dbE                        |               |                                            |                                 |                                 |                                 |                                |                                |                                |                                |                                |                                |
| wbE                                                            |               |                                            | 65.3°F [18.5°C]                 |                                 |                                 | 64°F [17.8°C]                  |                                |                                | 62.5°F [16.9°C]                |                                |                                |
| CFM [L/s]                                                      |               |                                            | 2880 [1359]                     | 2400 [1133]                     | 1920 [906]                      | 2880 [1359]                    | 2400 [1133]                    | 1920 [906]                     | 2880 [1359]                    | 2400 [1133]                    | 1920 [906]                     |
| Outdoor Dry Bulb Temperature                                   | 60°F [15.6°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 39.3 [11.5]<br>3.9 [1.1]<br>4.8 | 37.9 [11.1]<br>3.6 [1]<br>4.7   | 36.6 [10.7]<br>3.2 [0.9]<br>4.7 | 34 [10]<br>3.7 [1.1]<br>4.8    | 32.8 [9.6]<br>3.4 [1]<br>4.8   | 31.6 [9.3]<br>3 [0.9]<br>4.7   | 29.6 [8.7]<br>4.9 [1.4]<br>4.9 | 28.5 [8.4]<br>4.5 [1.3]<br>4.8 | 27.5 [8.1]<br>4.1 [1.2]<br>4.8 |
|                                                                | 65°F [18.3°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 38.2 [11.2]<br>2.5 [0.7]<br>4.9 | 36.9 [10.8]<br>2.3 [0.7]<br>4.8 | 35.5 [10.4]<br>2.1 [0.6]<br>4.7 | 32.9 [9.6]<br>2.3 [0.7]<br>4.9 | 31.8 [9.3]<br>2.1 [0.6]<br>4.8 | 30.6 [9]<br>1.9 [0.6]<br>4.7   | 28.4 [8.3]<br>3.5 [1]<br>5     | 27.4 [8]<br>3.2 [0.9]<br>4.9   | 26.4 [7.7]<br>2.9 [0.8]<br>4.8 |
|                                                                | 70°F [21.1°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 37.5 [11]<br>1.7 [0.5]<br>4.9   | 36.2 [10.6]<br>1.6 [0.5]<br>4.8 | 34.8 [10.2]<br>1.4 [0.4]<br>4.8 | 32.2 [9.4]<br>1.5 [0.4]<br>4.9 | 31.1 [9.1]<br>1.3 [0.4]<br>4.9 | 29.9 [8.8]<br>1.2 [0.4]<br>4.8 | 27.7 [8.1]<br>2.7 [0.8]<br>5   | 26.7 [7.8]<br>2.5 [0.7]<br>4.9 | 25.8 [7.6]<br>2.2 [0.7]<br>4.9 |
|                                                                | 75°F [23.9°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 37.2 [10.9]<br>1.5 [0.4]<br>5   | 35.8 [10.5]<br>1.4 [0.4]<br>4.9 | 34.5 [10.1]<br>1.3 [0.4]<br>4.8 | 31.9 [9.3]<br>1.3 [0.4]<br>5   | 30.8 [9]<br>1.2 [0.3]<br>4.9   | 29.6 [8.7]<br>1.1 [0.3]<br>4.9 | 27.4 [8]<br>2.5 [0.7]<br>5.1   | 26.4 [7.7]<br>2.3 [0.7]<br>5   | 25.5 [7.5]<br>2.1 [0.6]<br>4.9 |
|                                                                | 80°F [26.7°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 37.2 [10.9]<br>2 [0.6]<br>5.1   | 35.9 [10.5]<br>1.8 [0.5]<br>5   | 34.6 [10.1]<br>1.6 [0.5]<br>4.9 | 31.9 [9.4]<br>1.8 [0.5]<br>5.1 | 30.8 [9]<br>1.6 [0.5]<br>5     | 29.7 [8.7]<br>1.5 [0.4]<br>4.9 | 27.5 [8]<br>3 [0.9]<br>5.2     | 26.5 [7.8]<br>2.7 [0.8]<br>5.1 | 25.5 [7.5]<br>2.5 [0.7]<br>5   |
|                                                                | 85°F [29.4°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 37.7 [11]<br>3 [0.9]<br>5.2     | 36.4 [10.7]<br>2.8 [0.8]<br>5.1 | 35 [10.3]<br>2.5 [0.7]<br>5     | 32.4 [9.5]<br>2.8 [0.8]<br>5.2 | 31.3 [9.2]<br>2.6 [0.8]<br>5.2 | 30.1 [8.8]<br>2.3 [0.7]<br>5.1 | 27.9 [8.2]<br>4 [1.2]<br>5.3   | 26.9 [7.9]<br>3.7 [1.1]<br>5.2 | 26 [7.6]<br>3.4 [1]<br>5.1     |
|                                                                | 90°F [32.2°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 38.6 [11.3]<br>4.7 [1.4]<br>5.4 | 37.2 [10.9]<br>4.3 [1.3]<br>5.3 | 35.8 [10.5]<br>3.9 [1.2]<br>5.2 | 33.3 [9.7]<br>4.5 [1.3]<br>5.4 | 32.1 [9.4]<br>4.1 [1.2]<br>5.3 | 30.9 [9.1]<br>3.7 [1.1]<br>5.2 | 28.8 [8.4]<br>5.7 [1.7]<br>5.5 | 27.8 [8.1]<br>5.2 [1.5]<br>5.4 | 26.8 [7.8]<br>4.8 [1.4]<br>5.3 |

| GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) - (-)ACDYB120 |                |                                            |                                   |                                  |                                   |                                   |                                   |                                   |                                  |                                   |                                   |
|-----------------------------------------------------------------|----------------|--------------------------------------------|-----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|----------------------------------|-----------------------------------|-----------------------------------|
| Entering Indoor Air @ 75°F [23.9°C] dbE                         |                |                                            |                                   |                                  |                                   |                                   |                                   |                                   |                                  |                                   |                                   |
| wbE                                                             |                |                                            | 65.3°F [18.5°C]                   |                                  |                                   | 64°F [17.8°C]                     |                                   |                                   | 62.5°F [16.9°C]                  |                                   |                                   |
| CFM [L/s]                                                       |                |                                            | 4800 [2265]                       | 3940 [1859]                      | 3200 [1510]                       | 4800 [2265]                       | 3940 [1859]                       | 3200 [1510]                       | 4800 [2265]                      | 3940 [1859]                       | 3200 [1510]                       |
| Outdoor Dry Bulb Temperature                                    | 60°F [15.6°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 91.7 [26.9]<br>21.7 [6.4]<br>7.7  | 88.2 [25.8]<br>19.7 [5.8]<br>7.6 | 85.2 [25]<br>18 [5.3]<br>7.5      | 63.4 [18.6]<br>15.5 [4.5]<br>7.6  | 61 [17.9]<br>14 [4.1]<br>7.5      | 58.9 [17.3]<br>12.8 [3.8]<br>7.3  | 72.9 [21.4]<br>26.5 [7.8]<br>7.7 | 70.1 [20.5]<br>24 [7]<br>7.6      | 67.7 [19.8]<br>21.9 [6.4]<br>7.4  |
|                                                                 | 70°F [21.1°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 77.4 [22.7]<br>15.2 [4.5]<br>7.7  | 74.4 [21.8]<br>13.8 [4]<br>7.6   | 71.9 [21.1]<br>12.6 [3.7]<br>7.5  | 49.1 [14.4]<br>8.9 [2.6]<br>7.6   | 47.2 [13.8]<br>8.1 [2.4]<br>7.4   | 45.6 [13.4]<br>7.4 [2.2]<br>7.3   | 58.6 [17.2]<br>19.9 [5.8]<br>7.7 | 56.3 [16.5]<br>18.1 [5.3]<br>7.5  | 54.4 [15.9]<br>16.5 [4.8]<br>7.4  |
|                                                                 | 80°F [26.7°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 68 [19.9]<br>11.2 [3.3]<br>7.9    | 65.4 [19.2]<br>10.2 [3]<br>7.8   | 63.1 [18.5]<br>9.3 [2.7]<br>7.6   | 39.6 [11.6]<br>5 [1.5]<br>7.8     | 38.1 [11.2]<br>4.5 [1.3]<br>7.6   | 36.8 [10.8]<br>4.1 [1.2]<br>7.5   | 49.1 [14.4]<br>16 [4.7]<br>7.9   | 47.3 [13.9]<br>14.5 [4.2]<br>7.7  | 45.7 [13.4]<br>13.2 [3.9]<br>7.6  |
|                                                                 | 90°F [32.2°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 63.4 [18.6]<br>9.8 [2.9]<br>8.3   | 61 [17.9]<br>8.9 [2.6]<br>8.1    | 58.9 [17.3]<br>8.1 [2.4]<br>8     | 35.1 [10.3]<br>3.6 [1]<br>8.1     | 33.7 [9.9]<br>3.2 [0.9]<br>8      | 32.6 [9.5]<br>2.9 [0.9]<br>7.9    | 44.6 [13.1]<br>14.5 [4.3]<br>8.2 | 42.9 [12.6]<br>13.2 [3.9]<br>8.1  | 41.4 [12.1]<br>12 [3.5]<br>8      |
|                                                                 | 100°F [43.3°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 63.7 [18.7]<br>11 [3.2]<br>8.9    | 61.3 [17.9]<br>9.9 [2.9]<br>8.7  | 59.2 [17.3]<br>9.1 [2.7]<br>8.6   | 35.4 [10.4]<br>4.7 [1.4]<br>8.7   | 34 [10]<br>4.3 [1.2]<br>8.6       | 32.8 [9.6]<br>3.9 [1.1]<br>8.4    | 44.9 [13.1]<br>15.7 [4.6]<br>8.8 | 43.1 [12.6]<br>14.2 [4.2]<br>8.7  | 41.7 [12.2]<br>13 [3.8]<br>8.5    |
|                                                                 | 110°F [43.3°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 68.8 [20.2]<br>14.7 [4.3]<br>9.6  | 66.2 [19.4]<br>13.3 [3.9]<br>9.5 | 63.9 [18.7]<br>12.1 [3.6]<br>9.3  | 40.5 [11.9]<br>8.4 [2.5]<br>9.5   | 39 [11.4]<br>7.6 [2.2]<br>9.3     | 37.6 [11]<br>7 [2]<br>9.2         | 50 [14.7]<br>19.4 [5.7]<br>9.6   | 48.1 [14.1]<br>17.6 [5.2]<br>9.4  | 46.4 [13.6]<br>16.1 [4.7]<br>9.3  |
|                                                                 | 120°F [48.9°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 78.8 [23.1]<br>20.9 [6.1]<br>10.6 | 75.8 [22.2]<br>19 [5.6]<br>10.4  | 73.2 [21.5]<br>17.3 [5.1]<br>10.2 | 50.5 [14.8]<br>14.7 [4.3]<br>10.5 | 48.6 [14.2]<br>13.3 [3.9]<br>10.3 | 46.9 [13.7]<br>12.1 [3.6]<br>10.1 | 60 [17.6]<br>25.6 [7.5]<br>10.6  | 57.7 [16.9]<br>23.3 [6.8]<br>10.4 | 55.7 [16.3]<br>21.2 [6.2]<br>10.2 |

## Appendix D - Reheat Data for (-)ACDYB 12.5 Ton

| GROSS SYSTEMS PERFORMANCE DATA (LOW REHEAT MODE) - (-)ACDYB150 |               |                                            |                                   |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
|----------------------------------------------------------------|---------------|--------------------------------------------|-----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Entering Indoor Air @ 75°F [23.9°C] dbE                        |               |                                            |                                   |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
| wbE                                                            |               | 65.3°F [18.5°C]                            |                                   |                                  | 64°F [17.8°C]                    |                                  |                                  | 62.5°F [16.9°C]                  |                                  |                                  |                                  |
| CFM [L/s]                                                      |               | 3020 [1425]                                | 2515 [1187]                       | 2010 [949]                       | 3020 [1425]                      | 2515 [1187]                      | 2010 [949]                       | 3020 [1425]                      | 2515 [1187]                      | 2010 [949]                       |                                  |
| Outdoor Dry Bulb Temperature                                   | 60°F [15.6°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 43.9 [12.9]<br>16 [4.7]<br>4.6    | 42.4 [12.4]<br>14.7 [4.3]<br>4.5 | 40.8 [12]<br>13.3 [3.9]<br>4.4   | 42.2 [12.4]<br>20.3 [5.9]<br>4.5 | 40.8 [11.9]<br>18.5 [5.4]<br>4.4 | 39.3 [11.5]<br>16.8 [4.9]<br>4.4 | 33.9 [9.9]<br>13.2 [3.9]<br>4.5  | 32.7 [9.6]<br>12 [3.5]<br>4.4    | 31.5 [9.2]<br>10.9 [3.2]<br>4.4  |
|                                                                | 65°F [18.3°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 38.7 [11.3]<br>6 [1.8]<br>4.4     | 37.3 [10.9]<br>5.5 [1.6]<br>4.3  | 35.9 [10.5]<br>5 [1.5]<br>4.3    | 37 [10.8]<br>10.3 [3]<br>4.4     | 35.7 [10.5]<br>9.4 [2.8]<br>4.3  | 34.4 [10.1]<br>8.5 [2.5]<br>4.2  | 28.7 [8.4]<br>3.2 [0.9]<br>4.4   | 27.7 [8.1]<br>2.9 [0.8]<br>4.3   | 26.6 [7.8]<br>2.6 [0.8]<br>4.2   |
|                                                                | 70°F [21.1°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 34.8 [10.2]<br>-1.1 [-0.3]<br>4.4 | 33.6 [9.8]<br>-1 [-0.3]<br>4.3   | 32.4 [9.5]<br>-0.9 [-0.3]<br>4.2 | 33.1 [9.7]<br>3.2 [0.9]<br>4.3   | 32 [9.4]<br>2.9 [0.8]<br>4.2     | 30.8 [9]<br>2.6 [0.8]<br>4.1     | 24.8 [7.3]<br>-3.9 [-1.2]<br>4.3 | 24 [7]<br>-3.6 [-1.1]<br>4.2     | 23.1 [6.8]<br>-3.3 [-1]<br>4.2   |
|                                                                | 75°F [23.9°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 32.4 [9.5]<br>-5.3 [-1.5]<br>4.4  | 31.3 [9.2]<br>-4.8 [-1.4]<br>4.3 | 30.2 [8.8]<br>-4.4 [-1.3]<br>4.2 | 30.8 [9]<br>-1 [-0.3]<br>4.3     | 29.7 [8.7]<br>-1 [-0.3]<br>4.2   | 28.6 [8.4]<br>-0.9 [-0.3]<br>4.2 | 22.4 [6.6]<br>-8.2 [-2.4]<br>4.3 | 21.6 [6.3]<br>-7.5 [-2.2]<br>4.3 | 20.9 [6.1]<br>-6.8 [-2]<br>4.2   |
|                                                                | 80°F [26.7°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 31.5 [9.2]<br>-6.6 [-1.9]<br>4.5  | 30.4 [8.9]<br>-6 [-1.8]<br>4.4   | 29.3 [8.6]<br>-5.5 [-1.6]<br>4.3 | 29.8 [8.7]<br>-2.4 [-0.7]<br>4.4 | 28.8 [8.4]<br>-2.2 [-0.6]<br>4.3 | 27.7 [8.1]<br>-2 [-0.6]<br>4.3   | 21.5 [6.3]<br>-9.5 [-2.8]<br>4.4 | 20.7 [6.1]<br>-8.7 [-2.5]<br>4.3 | 20 [5.9]<br>-7.9 [-2.3]<br>4.3   |
|                                                                | 85°F [29.4°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 32 [9.4]<br>-5 [-1.5]<br>4.7      | 30.9 [9]<br>-4.6 [-1.3]<br>4.6   | 29.7 [8.7]<br>-4.2 [-1.2]<br>4.5 | 30.3 [8.9]<br>-0.8 [-0.2]<br>4.6 | 29.2 [8.6]<br>-0.7 [-0.2]<br>4.5 | 28.2 [8.3]<br>-0.7 [-0.2]<br>4.4 | 22 [6.4]<br>-7.9 [-2.3]<br>4.6   | 21.2 [6.2]<br>-7.2 [-2.1]<br>4.5 | 20.4 [6]<br>-6.5 [-1.9]<br>4.4   |
|                                                                | 90°F [32.2°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 33.9 [9.9]<br>-0.6 [-0.2]<br>4.9  | 32.7 [9.6]<br>-0.5 [-0.2]<br>4.8 | 31.5 [9.2]<br>-0.5 [-0.1]<br>4.7 | 32.2 [9.4]<br>3.7 [1.1]<br>4.9   | 31.1 [9.1]<br>3.4 [1]<br>4.8     | 29.9 [8.8]<br>3 [0.9]<br>4.7     | 23.9 [7]<br>-3.4 [-1]<br>4.9     | 23.1 [6.8]<br>-3.1 [-0.9]<br>4.8 | 22.2 [6.5]<br>-2.9 [-0.8]<br>4.7 |

| GROSS SYSTEMS PERFORMANCE DATA (HIGH REHEAT MODE) - (-)ACDYB150 |                |                                            |                                     |                                     |                                    |                                    |                                    |                                    |                                   |                                   |                                  |
|-----------------------------------------------------------------|----------------|--------------------------------------------|-------------------------------------|-------------------------------------|------------------------------------|------------------------------------|------------------------------------|------------------------------------|-----------------------------------|-----------------------------------|----------------------------------|
| Entering Indoor Air @ 75°F [23.9°C] dbE                         |                |                                            |                                     |                                     |                                    |                                    |                                    |                                    |                                   |                                   |                                  |
| wbE                                                             |                | 65.3°F [18.5°C]                            |                                     |                                     | 64°F [17.8°C]                      |                                    |                                    | 62.5°F [16.9°C]                    |                                   |                                   |                                  |
| CFM [L/s]                                                       |                | 6000 [2832]                                | 4300 [2029]                         | 4000 [1888]                         | 6000 [2832]                        | 4300 [2029]                        | 4000 [1888]                        | 6000 [2832]                        | 4300 [2029]                       | 4000 [1888]                       |                                  |
| Outdoor Dry Bulb Temperature                                    | 60°F [15.6°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 86.7 [25.4]<br>22.2 [6.5]<br>9.4    | 80.9 [23.7]<br>18.8 [5.5]<br>9.1    | 79.9 [23.4]<br>18.2 [5.3]<br>9.1   | 85 [24.9]<br>30.1 [8.8]<br>9.2     | 79.3 [23.2]<br>25.4 [7.4]<br>8.9   | 78.3 [22.9]<br>24.6 [7.2]<br>8.8   | 76.8 [22.5]<br>39.8 [11.7]<br>9.3 | 71.7 [21]<br>33.6 [9.9]<br>9      | 70.8 [20.7]<br>32.5 [9.5]<br>9   |
|                                                                 | 70°F [21.1°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 82 [24]<br>11.2 [3.3]<br>9.7        | 76.5 [22.4]<br>9.4 [2.8]<br>9.4     | 75.6 [22.1]<br>9.1 [2.7]<br>9.4    | 80.3 [23.5]<br>19 [5.6]<br>9.5     | 75 [22]<br>16.1 [4.7]<br>9.2       | 74 [21.7]<br>15.6 [4.6]<br>9.1     | 72.2 [21.1]<br>28.8 [8.4]<br>9.7  | 67.3 [19.7]<br>24.3 [7.1]<br>9.3  | 66.5 [19.5]<br>23.5 [6.9]<br>9.3 |
|                                                                 | 80°F [26.7°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 77.2 [22.6]<br>2.1 [0.6]<br>10.3    | 72.1 [21.1]<br>1.7 [0.5]<br>9.9     | 71.1 [20.8]<br>1.7 [0.5]<br>9.8    | 75.5 [22.1]<br>9.9 [2.9]<br>10     | 70.5 [20.7]<br>8.4 [2.5]<br>9.7    | 69.6 [20.4]<br>8.1 [2.4]<br>9.6    | 67.4 [19.7]<br>19.7 [5.8]<br>10.2 | 62.8 [18.4]<br>16.6 [4.9]<br>9.8  | 62.1 [18.2]<br>16.1 [4.7]<br>9.8 |
|                                                                 | 90°F [32.9°C]  | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 72.3 [21.2]<br>-5.1 [-1.5]<br>11    | 67.4 [19.8]<br>-4.3 [-1.3]<br>10.6  | 66.6 [19.5]<br>-4.2 [-1.2]<br>10.5 | 70.6 [20.7]<br>2.8 [0.8]<br>10.7   | 65.9 [19.3]<br>2.4 [0.7]<br>10.4   | 65 [19.1]<br>2.3 [0.7]<br>10.3     | 62.4 [18.3]<br>12.5 [3.7]<br>10.9 | 58.2 [17.1]<br>10.6 [3.1]<br>10.6 | 57.5 [16.8]<br>10.2 [3]<br>10.4  |
|                                                                 | 100°F [37.8°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 67.2 [19.7]<br>-10.3 [-3]<br>11.9   | 62.7 [18.4]<br>-8.7 [-2.5]<br>11.5  | 61.9 [18.1]<br>-8.4 [-2.5]<br>11.4 | 65.5 [19.2]<br>-2.4 [-0.7]<br>11.7 | 61.1 [17.9]<br>-2 [-0.6]<br>11.3   | 60.3 [17.7]<br>-1.9 [-0.6]<br>11.2 | 57.3 [16.8]<br>7.3 [2.2]<br>11.8  | 53.5 [15.7]<br>6.2 [1.8]<br>11.4  | 52.8 [15.5]<br>6 [1.8]<br>11.3   |
|                                                                 | 110°F [43.3°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 62 [18.2]<br>-13.5 [-4]<br>13       | 57.8 [16.9]<br>-11.4 [-3.3]<br>12.6 | 57.1 [16.7]<br>-11 [-3.2]<br>12.5  | 60.3 [17.7]<br>-5.6 [-1.6]<br>12.8 | 56.2 [16.5]<br>-4.7 [-1.4]<br>12.3 | 55.5 [16.3]<br>-4.6 [-1.3]<br>12.3 | 52.1 [15.3]<br>4.1 [1.2]<br>12.9  | 48.6 [14.2]<br>3.5 [1]<br>12.5    | 48 [14.1]<br>3.4 [1]<br>12.4     |
|                                                                 | 120°F [48.9°C] | Total BTUH [kW]<br>Sens BTUH [kW]<br>Power | 56.6 [16.6]<br>-14.7 [-4.3]<br>14.3 | 52.8 [15.5]<br>-12.4 [-3.6]<br>13.8 | 52.1 [15.3]<br>-12 [-3.5]<br>13.8  | 54.9 [16.1]<br>-6.9 [-2]<br>14.1   | 51.2 [15]<br>-5.8 [-1.7]<br>13.6   | 50.6 [14.8]<br>-5.6 [-1.6]<br>13.5 | 46.7 [13.7]<br>2.9 [0.8]<br>14.2  | 43.6 [12.8]<br>2.4 [0.7]<br>13.8  | 43 [12.6]<br>2.3 [0.7]<br>13.7   |

# P. APPENDICES

## Appendix E – Heater Kit Characteristics

| 208/230V, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KIT CHARACTERISTICS AND APPLICATION |                |                           |           |                                                    |                                                       |                            |                                                          |                               |                                       |                                                            |                                       |                                                                     |
|---------------------------------------------------------------------------------------------|----------------|---------------------------|-----------|----------------------------------------------------|-------------------------------------------------------|----------------------------|----------------------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|
| Single Power Supply for Both Unit and Heater Kit                                            |                |                           |           | Separate Power Supply for Both Unit and Heater Kit |                                                       |                            |                                                          |                               |                                       |                                                            |                                       |                                                                     |
| UNIT MODEL NUMBER (-)ADYB                                                                   | Heater Kit     |                           |           | Air Conditioner                                    |                                                       |                            |                                                          | Heater Kit                    |                                       |                                                            |                                       |                                                                     |
|                                                                                             | MODEL NO. RXJ- | Rated Heater KW @ 208/230 | FLA       | UNIT MIN. CKT. AMPACITY                            | UNIT MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | MAX FUSE OR CKT. BKR. SIZE | MAX FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST | HEATER KIT MIN. CKT. AMPACITY | HEATER KIT MAX FUSE OR CKT. BKR. SIZE | AIR COND. MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | AIR COND. MAX. FUSE OR CKT. BKR. SIZE | AIR COND. MAX. FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST |
| 090ACF                                                                                      | NONE           | -/-                       | -/-       | 41/41                                              | 46/46                                                 | 60/60                      | 70/70                                                    | -                             | -                                     | 46/46                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 41/41                                              | 46/46                                                 | 60/60                      | 70/70                                                    | 26/30                         | 30/30                                 | 46/46                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD15CP         | 10.8/14.4                 | 30.0/34.6 | 46/51                                              | 52/58                                                 | 60/60                      | 70/70                                                    | 38/44                         | 40/45                                 | 46/46                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD20CP         | 14.8/19.8                 | 41.2/47.6 | 60/68                                              | 66/74                                                 | 60/70                      | 70/80                                                    | 52/60                         | 60/60                                 | 46/46                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD30CP         | 21.6/28.8                 | 60.0/69.3 | 83/95                                              | 90/102                                                | 90/100                     | 90/110                                                   | 75/87                         | 80/90                                 | 46/46                                                      | 60/60                                 | 70/70                                                               |
| 090ACG                                                                                      | DD40CP         | 29.7/39.6                 | 82.4/95.2 | 111/127                                            | 118/134                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 46/46                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | NONE           | -/-                       | -/-       | 44/44                                              | 49/49                                                 | 60/60                      | 70/70                                                    | -                             | -                                     | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 44/44                                              | 49/49                                                 | 60/60                      | 70/70                                                    | 26/30                         | 30/30                                 | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD15CP         | 10.8/14.4                 | 30.0/34.6 | 49/55                                              | 56/62                                                 | 60/60                      | 70/70                                                    | 38/44                         | 40/45                                 | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD20CP         | 14.8/19.8                 | 41.2/47.6 | 63/71                                              | 70/78                                                 | 70/80                      | 70/80                                                    | 52/60                         | 60/60                                 | 49/49                                                      | 60/60                                 | 70/70                                                               |
| 090ACH                                                                                      | DD30CP         | 21.6/28.8                 | 60.0/69.3 | 87/99                                              | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD40CP         | 29.7/39.6                 | 82.4/95.2 | 115/131                                            | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | NONE           | -/-                       | -/-       | 44/44                                              | 49/49                                                 | 60/60                      | 70/70                                                    | -                             | -                                     | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 44/44                                              | 49/49                                                 | 60/60                      | 70/70                                                    | 26/30                         | 30/30                                 | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD15CP         | 10.8/14.4                 | 30.0/34.6 | 49/55                                              | 56/62                                                 | 60/60                      | 70/70                                                    | 38/44                         | 40/45                                 | 49/49                                                      | 60/60                                 | 70/70                                                               |
| 102ACF                                                                                      | DD20CP         | 14.8/19.8                 | 41.2/47.6 | 63/71                                              | 70/78                                                 | 70/80                      | 70/80                                                    | 52/60                         | 60/60                                 | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD30CP         | 21.6/28.8                 | 60.0/69.3 | 87/99                                              | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD40CP         | 29.7/39.6                 | 82.4/95.2 | 115/131                                            | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 49/49                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | NONE           | -/-                       | -/-       | 43/43                                              | 48/48                                                 | 60/60                      | 70/70                                                    | -                             | -                                     | 48/48                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 43/43                                              | 48/48                                                 | 60/60                      | 70/70                                                    | 26/30                         | 30/30                                 | 48/48                                                      | 60/60                                 | 70/70                                                               |
| 102ACG                                                                                      | DD15CP         | 10.8/14.4                 | 30.0/34.6 | 46/51                                              | 52/58                                                 | 60/60                      | 70/70                                                    | 38/44                         | 40/45                                 | 48/48                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD20CP         | 14.8/19.8                 | 41.2/47.6 | 60/68                                              | 66/74                                                 | 60/70                      | 70/80                                                    | 52/60                         | 60/60                                 | 48/48                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD30CP         | 21.6/28.8                 | 60.0/69.3 | 83/95                                              | 90/102                                                | 90/100                     | 90/110                                                   | 75/87                         | 80/90                                 | 48/48                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | DD40CP         | 29.7/39.6                 | 82.4/95.2 | 111/127                                            | 118/134                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 48/48                                                      | 60/60                                 | 70/70                                                               |
|                                                                                             | NONE           | -/-                       | -/-       | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | -                             | -                                     | 51/51                                                      | 70/70                                 | 70/70                                                               |
| 102ACH                                                                                      | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | 26/30                         | 30/30                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD15CP         | 10.8/14.4                 | 30.0/34.6 | 49/55                                              | 56/62                                                 | 70/70                      | 70/70                                                    | 38/44                         | 40/45                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD20CP         | 14.8/19.8                 | 41.2/47.6 | 63/71                                              | 70/78                                                 | 70/80                      | 70/80                                                    | 52/60                         | 60/60                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD30CP         | 21.6/28.8                 | 60.0/69.3 | 87/99                                              | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD40CP         | 29.7/39.6                 | 82.4/95.2 | 115/131                                            | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 51/51                                                      | 70/70                                 | 70/70                                                               |
| 102ACF                                                                                      | NONE           | -/-                       | -/-       | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | -                             | -                                     | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | 26/30                         | 30/30                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD15CP         | 10.8/14.4                 | 30.0/34.6 | 49/55                                              | 56/62                                                 | 70/70                      | 70/70                                                    | 38/44                         | 40/45                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD20CP         | 14.8/19.8                 | 41.2/47.6 | 63/71                                              | 70/78                                                 | 70/80                      | 70/80                                                    | 52/60                         | 60/60                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD30CP         | 21.6/28.8                 | 60.0/69.3 | 87/99                                              | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
| 102ACH                                                                                      | DD40CP         | 29.7/39.6                 | 82.4/95.2 | 115/131                                            | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | NONE           | -/-                       | -/-       | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | -                             | -                                     | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | 26/30                         | 30/30                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD15CP         | 10.8/14.4                 | 30.0/34.6 | 49/55                                              | 56/62                                                 | 70/70                      | 70/70                                                    | 38/44                         | 40/45                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD20CP         | 14.8/19.8                 | 41.2/47.6 | 63/71                                              | 70/78                                                 | 70/80                      | 70/80                                                    | 52/60                         | 60/60                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
| 102ACG                                                                                      | DD30CP         | 21.6/28.8                 | 60.0/69.3 | 87/99                                              | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD40CP         | 29.7/39.6                 | 82.4/95.2 | 115/131                                            | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | NONE           | -/-                       | -/-       | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | -                             | -                                     | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | 26/30                         | 30/30                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD15CP         | 10.8/14.4                 | 30.0/34.6 | 49/55                                              | 56/62                                                 | 70/70                      | 70/70                                                    | 38/44                         | 40/45                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
| 102ACH                                                                                      | DD20CP         | 14.8/19.8                 | 41.2/47.6 | 63/71                                              | 70/78                                                 | 70/80                      | 70/80                                                    | 52/60                         | 60/60                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD30CP         | 21.6/28.8                 | 60.0/69.3 | 87/99                                              | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD40CP         | 29.7/39.6                 | 82.4/95.2 | 115/131                                            | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | NONE           | -/-                       | -/-       | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | -                             | -                                     | 51/51                                                      | 70/70                                 | 70/70                                                               |
|                                                                                             | DD10CP         | 7.4/9.9                   | 20.6/23.8 | 46/46                                              | 51/51                                                 | 70/70                      | 70/70                                                    | 26/30                         | 30/30                                 | 51/51                                                      | 70/70                                 | 70/70                                                               |

## Appendix E – Heater Kit Characteristics (Cont.)

| 208/230V, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KIT CHARACTERISTICS AND APPLICATION |                 |                           |           |                         |                                                       |                            |                                                          |                               |                                       |                                                            |                                       |                                                                     |  |
|---------------------------------------------------------------------------------------------|-----------------|---------------------------|-----------|-------------------------|-------------------------------------------------------|----------------------------|----------------------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|--|
| Single Power Supply for Both Unit and Heater Kit                                            |                 |                           |           |                         |                                                       |                            | Separate Power Supply for Both Unit and Heater Kit       |                               |                                       |                                                            |                                       |                                                                     |  |
| UNIT MODEL NUMBER (-)ACDYB                                                                  | Heater Kit      |                           |           | Air Conditioner         |                                                       |                            | Heater Kit                                               |                               | Air Conditioner                       |                                                            |                                       |                                                                     |  |
|                                                                                             | MODEL NO. RXLJ- | Rated Heater KW @ 208/230 | FLA       | UNIT MIN. CKT. AMPACITY | UNIT MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | MAX FUSE OR CKT. BKR. SIZE | MAX FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST | HEATER KIT MIN. CKT. AMPACITY | HEATER KIT MAX FUSE OR CKT. BKR. SIZE | AIR COND. MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | AIR COND. MAX. FUSE OR CKT. BKR. SIZE | AIR COND. MAX. FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST |  |
| 120ACF                                                                                      | NONE            | -/-                       | -/-       | 45/45                   | 50/50                                                 | 70/70                      | 70/70                                                    | -                             | -                                     | 45/45                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD10CP          | 7.4/9.9                   | 20.6/23.8 | 45/45                   | 50/50                                                 | 70/70                      | 70/70                                                    | 26/30                         | 30/30                                 | 45/45                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD15CP          | 10.8/14.4                 | 30.0/34.6 | 46/51                   | 52/58                                                 | 70/70                      | 70/70                                                    | 38/44                         | 40/45                                 | 45/45                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD20CP          | 14.8/19.8                 | 41.2/47.6 | 60/68                   | 66/74                                                 | 70/70                      | 70/80                                                    | 52/60                         | 60/60                                 | 45/45                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD30CP          | 21.6/28.8                 | 60.0/69.3 | 83/95                   | 90/102                                                | 90/100                     | 90/110                                                   | 75/87                         | 80/90                                 | 45/45                                                      | 70/70                                 | 70/70                                                               |  |
| 120ACG                                                                                      | DD40CP          | 29.7/39.6                 | 82.4/95.2 | 111/127                 | 118/134                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 45/45                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | NONE            | -/-                       | -/-       | 48/48                   | 53/53                                                 | 70/70                      | 70/70                                                    | -                             | -                                     | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD10CP          | 7.4/9.9                   | 20.6/23.8 | 48/48                   | 53/53                                                 | 70/70                      | 70/70                                                    | 26/30                         | 30/30                                 | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD15CP          | 10.8/14.4                 | 30.0/34.6 | 49/55                   | 56/62                                                 | 70/70                      | 70/80                                                    | 38/44                         | 40/45                                 | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD20CP          | 14.8/19.8                 | 41.2/47.6 | 63/71                   | 70/78                                                 | 70/80                      | 70/80                                                    | 52/60                         | 60/60                                 | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
| 120ACH                                                                                      | DD30CP          | 21.6/28.8                 | 60.0/69.3 | 87/99                   | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD40CP          | 29.7/39.6                 | 82.4/95.2 | 115/131                 | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | NONE            | -/-                       | -/-       | 48/48                   | 53/53                                                 | 70/70                      | 70/70                                                    | -                             | -                                     | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD10CP          | 7.4/9.9                   | 20.6/23.8 | 48/48                   | 53/53                                                 | 70/70                      | 70/70                                                    | 26/30                         | 30/30                                 | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD15CP          | 10.8/14.4                 | 30.0/34.6 | 49/55                   | 56/62                                                 | 70/70                      | 70/80                                                    | 38/44                         | 40/45                                 | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
| 150ACF                                                                                      | DD20CP          | 14.8/19.8                 | 41.2/47.6 | 63/71                   | 70/78                                                 | 70/80                      | 70/80                                                    | 52/60                         | 60/60                                 | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD30CP          | 21.6/28.8                 | 60.0/69.3 | 87/99                   | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | DD40CP          | 29.7/39.6                 | 82.4/95.2 | 115/131                 | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 48/48                                                      | 70/70                                 | 70/70                                                               |  |
|                                                                                             | NONE            | -/-                       | -/-       | 68/68                   | 74/74                                                 | 90/90                      | 90/90                                                    | -                             | -                                     | 68/68                                                      | 90/90                                 | 90/90                                                               |  |
|                                                                                             | DD10CP          | 7.4/9.9                   | 20.6/23.8 | 68/68                   | 74/74                                                 | 90/90                      | 90/90                                                    | 26/30                         | 30/30                                 | 68/68                                                      | 90/90                                 | 90/90                                                               |  |
| 150ACG                                                                                      | DD15CP          | 10.8/14.4                 | 30.0/34.6 | 68/68                   | 74/74                                                 | 90/90                      | 90/90                                                    | 38/44                         | 40/45                                 | 68/68                                                      | 90/90                                 | 90/90                                                               |  |
|                                                                                             | DD20CP          | 14.8/19.8                 | 41.2/47.6 | 68/71                   | 74/78                                                 | 90/90                      | 90/90                                                    | 52/60                         | 60/60                                 | 68/68                                                      | 90/90                                 | 90/90                                                               |  |
|                                                                                             | DD30CP          | 21.6/28.8                 | 60.0/69.3 | 87/99                   | 94/105                                                | 90/100                     | 100/110                                                  | 75/87                         | 80/90                                 | 68/68                                                      | 90/90                                 | 90/90                                                               |  |
|                                                                                             | DD40CP          | 29.7/39.6                 | 82.4/95.2 | 115/131                 | 122/138                                               | 125/150                    | 125/150                                                  | 103/119                       | 110/125                               | 68/68                                                      | 90/90                                 | 90/90                                                               |  |
|                                                                                             | NONE            | -/-                       | -/-       | 75/75                   | 80/80                                                 | 90/90                      | 90/90                                                    | -                             | -                                     | 75/75                                                      | 90/90                                 | 100/100                                                             |  |
| 150ACH                                                                                      | DD10CP          | 7.4/9.9                   | 20.6/23.8 | 75/75                   | 80/80                                                 | 90/90                      | 90/90                                                    | 26/30                         | 30/30                                 | 75/75                                                      | 90/90                                 | 100/100                                                             |  |
|                                                                                             | DD15CP          | 10.8/14.4                 | 30.0/34.6 | 75/75                   | 80/80                                                 | 90/90                      | 90/90                                                    | 38/44                         | 40/45                                 | 75/75                                                      | 90/90                                 | 100/100                                                             |  |
|                                                                                             | DD20CP          | 14.8/19.8                 | 41.2/47.6 | 75/80                   | 80/86                                                 | 90/90                      | 90/90                                                    | 52/60                         | 60/60                                 | 75/75                                                      | 90/90                                 | 100/100                                                             |  |
|                                                                                             | DD30CP          | 21.6/28.8                 | 60.0/69.3 | 95/107                  | 102/113                                               | 100/110                    | 110/125                                                  | 75/87                         | 80/90                                 | 75/75                                                      | 90/90                                 | 100/100                                                             |  |
|                                                                                             | DD40CP          | 29.7/39.6                 | 82.4/95.2 | 123/139                 | 130/146                                               | 125/150                    | 150/150                                                  | 103/119                       | 110/125                               | 75/75                                                      | 90/90                                 | 100/100                                                             |  |

# P. APPENDICES

## Appendix E – Heater Kit Characteristics (Cont.)

| 460V, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KIT CHARACTERISTICS AND APPLICATION |                |                       |      |                         |                                                       |                            |                                                          |                               |                                       |                                                            |                                       |                                                                     |  |
|-----------------------------------------------------------------------------------------|----------------|-----------------------|------|-------------------------|-------------------------------------------------------|----------------------------|----------------------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|--|
| Single Power Supply for Both Unit and Heater Kit                                        |                |                       |      |                         |                                                       |                            | Separate Power Supply for Both Unit and Heater Kit       |                               |                                       |                                                            |                                       |                                                                     |  |
| UNIT MODEL NUMBER (-JACDYB)                                                             | Heater Kit     |                       |      | Air Conditioner         |                                                       |                            |                                                          | Heater Kit                    |                                       | Air Conditioner                                            |                                       |                                                                     |  |
|                                                                                         | MODEL NO. RXJ- | Rated Heater KW @ 460 | FLA  | UNIT MIN. CKT. AMPACITY | UNIT MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | MAX FUSE OR CKT. BKR. SIZE | MAX FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST | HEATER KIT MIN. CKT. AMPACITY | HEATER KIT MAX FUSE OR CKT. BKR. SIZE | AIR COND. MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | AIR COND. MAX. FUSE OR CKT. BKR. SIZE | AIR COND. MAX. FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST |  |
| 090ADF                                                                                  | NONE           | -                     | -    | 18                      | 21                                                    | 25                         | 30                                                       | -                             | -                                     | 18                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | DD10DNV        | 9.9                   | 11.9 | 19                      | 22                                                    | 25                         | 30                                                       | 15                            | 15                                    | 18                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | DD15DNV        | 14.4                  | 17.3 | 26                      | 29                                                    | 30                         | 30                                                       | 22                            | 25                                    | 18                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | DD20DNV        | 19.8                  | 23.8 | 34                      | 37                                                    | 35                         | 40                                                       | 30                            | 30                                    | 18                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | DD30DNV        | 28.8                  | 34.6 | 47                      | 51                                                    | 50                         | 60                                                       | 44                            | 45                                    | 18                                                         | 25                                    | 30                                                                  |  |
| 090ADG                                                                                  | DD40DNV        | 39.6                  | 47.6 | 64                      | 67                                                    | 70                         | 70                                                       | 60                            | 60                                    | 18                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | NONE           | -                     | -    | 20                      | 23                                                    | 30                         | 30                                                       | -                             | -                                     | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | DD10DNV        | 9.9                   | 11.9 | 21                      | 24                                                    | 30                         | 30                                                       | 15                            | 15                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | DD15DNV        | 14.4                  | 17.3 | 28                      | 31                                                    | 30                         | 35                                                       | 22                            | 25                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | DD20DNV        | 19.8                  | 23.8 | 36                      | 39                                                    | 40                         | 40                                                       | 30                            | 30                                    | 20                                                         | 30                                    | 30                                                                  |  |
| 090ADH                                                                                  | DD30DNV        | 28.8                  | 34.6 | 49                      | 53                                                    | 50                         | 60                                                       | 44                            | 45                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | DD40DNV        | 39.6                  | 47.6 | 66                      | 69                                                    | 70                         | 70                                                       | 60                            | 60                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | NONE           | -                     | -    | 20                      | 23                                                    | 30                         | 30                                                       | -                             | -                                     | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | DD10DNV        | 9.9                   | 11.9 | 21                      | 24                                                    | 30                         | 30                                                       | 15                            | 15                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | DD15DNV        | 14.4                  | 17.3 | 28                      | 31                                                    | 30                         | 35                                                       | 22                            | 25                                    | 20                                                         | 30                                    | 30                                                                  |  |
| 102ADF                                                                                  | DD20DNV        | 19.8                  | 23.8 | 36                      | 39                                                    | 40                         | 40                                                       | 30                            | 30                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | DD30DNV        | 28.8                  | 34.6 | 49                      | 53                                                    | 50                         | 60                                                       | 44                            | 45                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | DD40DNV        | 39.6                  | 47.6 | 66                      | 69                                                    | 70                         | 70                                                       | 60                            | 60                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | NONE           | -                     | -    | 21                      | 23                                                    | 30                         | 35                                                       | -                             | -                                     | 21                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD10DNV        | 9.9                   | 11.9 | 21                      | 23                                                    | 30                         | 35                                                       | 15                            | 15                                    | 21                                                         | 30                                    | 35                                                                  |  |
| 102ADG                                                                                  | DD15DNV        | 14.4                  | 17.3 | 26                      | 29                                                    | 30                         | 35                                                       | 22                            | 25                                    | 21                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD20DNV        | 19.8                  | 23.8 | 34                      | 37                                                    | 35                         | 40                                                       | 30                            | 30                                    | 21                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD30DNV        | 28.8                  | 34.6 | 47                      | 51                                                    | 50                         | 60                                                       | 44                            | 45                                    | 21                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD40DNV        | 39.6                  | 47.6 | 64                      | 67                                                    | 70                         | 70                                                       | 60                            | 60                                    | 21                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | NONE           | -                     | -    | 22                      | 25                                                    | 30                         | 35                                                       | -                             | -                                     | 22                                                         | 30                                    | 35                                                                  |  |
| 102ADH                                                                                  | DD10DNV        | 9.9                   | 11.9 | 22                      | 25                                                    | 30                         | 35                                                       | 15                            | 15                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD15DNV        | 14.4                  | 17.3 | 28                      | 31                                                    | 30                         | 35                                                       | 22                            | 25                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD20DNV        | 19.8                  | 23.8 | 36                      | 39                                                    | 40                         | 40                                                       | 30                            | 30                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD30DNV        | 28.8                  | 34.6 | 49                      | 53                                                    | 50                         | 60                                                       | 44                            | 45                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD40DNV        | 39.6                  | 47.6 | 66                      | 69                                                    | 70                         | 70                                                       | 60                            | 60                                    | 22                                                         | 30                                    | 35                                                                  |  |
| 102ADH                                                                                  | NONE           | -                     | -    | 22                      | 25                                                    | 30                         | 35                                                       | -                             | -                                     | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD10DNV        | 9.9                   | 11.9 | 22                      | 25                                                    | 30                         | 35                                                       | 15                            | 15                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD15DNV        | 14.4                  | 17.3 | 28                      | 31                                                    | 30                         | 35                                                       | 22                            | 25                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD20DNV        | 19.8                  | 23.8 | 36                      | 39                                                    | 40                         | 40                                                       | 30                            | 30                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD30DNV        | 28.8                  | 34.6 | 49                      | 53                                                    | 50                         | 60                                                       | 44                            | 45                                    | 22                                                         | 30                                    | 35                                                                  |  |
| 102ADH                                                                                  | DD40DNV        | 39.6                  | 47.6 | 66                      | 69                                                    | 70                         | 70                                                       | 60                            | 60                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | NONE           | -                     | -    | 22                      | 25                                                    | 30                         | 35                                                       | -                             | -                                     | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD10DNV        | 9.9                   | 11.9 | 22                      | 25                                                    | 30                         | 35                                                       | 15                            | 15                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD15DNV        | 14.4                  | 17.3 | 28                      | 31                                                    | 30                         | 35                                                       | 22                            | 25                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD20DNV        | 19.8                  | 23.8 | 36                      | 39                                                    | 40                         | 40                                                       | 30                            | 30                                    | 22                                                         | 30                                    | 35                                                                  |  |
| 102ADH                                                                                  | DD30DNV        | 28.8                  | 34.6 | 49                      | 53                                                    | 50                         | 60                                                       | 44                            | 45                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD40DNV        | 39.6                  | 47.6 | 66                      | 69                                                    | 70                         | 70                                                       | 60                            | 60                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | NONE           | -                     | -    | 22                      | 25                                                    | 30                         | 35                                                       | -                             | -                                     | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD10DNV        | 9.9                   | 11.9 | 22                      | 25                                                    | 30                         | 35                                                       | 15                            | 15                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD15DNV        | 14.4                  | 17.3 | 28                      | 31                                                    | 30                         | 35                                                       | 22                            | 25                                    | 22                                                         | 30                                    | 35                                                                  |  |
| 102ADH                                                                                  | DD20DNV        | 19.8                  | 23.8 | 36                      | 39                                                    | 40                         | 40                                                       | 30                            | 30                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD30DNV        | 28.8                  | 34.6 | 49                      | 53                                                    | 50                         | 60                                                       | 44                            | 45                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD40DNV        | 39.6                  | 47.6 | 66                      | 69                                                    | 70                         | 70                                                       | 60                            | 60                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | NONE           | -                     | -    | 22                      | 25                                                    | 30                         | 35                                                       | -                             | -                                     | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD10DNV        | 9.9                   | 11.9 | 22                      | 25                                                    | 30                         | 35                                                       | 15                            | 15                                    | 22                                                         | 30                                    | 35                                                                  |  |
| 102ADH                                                                                  | DD15DNV        | 14.4                  | 17.3 | 28                      | 31                                                    | 30                         | 35                                                       | 22                            | 25                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD20DNV        | 19.8                  | 23.8 | 36                      | 39                                                    | 40                         | 40                                                       | 30                            | 30                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD30DNV        | 28.8                  | 34.6 | 49                      | 53                                                    | 50                         | 60                                                       | 44                            | 45                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | DD40DNV        | 39.6                  | 47.6 | 66                      | 69                                                    | 70                         | 70                                                       | 60                            | 60                                    | 22                                                         | 30                                    | 35                                                                  |  |
|                                                                                         | NONE           | -                     | -    | 22                      | 25                                                    | 30                         | 35                                                       | -                             | -                                     | 22                                                         | 30                                    | 35                                                                  |  |

## Appendix E – Heater Kit Characteristics (Cont.)

| 460V, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KIT CHARACTERISTICS AND APPLICATION |                 |                       |      |                         |                                              |                            |                                                          |                               |                                       |                                                            |                                       |                                                                     |    |
|-----------------------------------------------------------------------------------------|-----------------|-----------------------|------|-------------------------|----------------------------------------------|----------------------------|----------------------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|----|
| Single Power Supply for Both Unit and Heater Kit                                        |                 |                       |      |                         |                                              |                            | Separate Power Supply for Both Unit and Heater Kit       |                               |                                       |                                                            |                                       |                                                                     |    |
| UNIT MODEL NUMBER (-)ACDYB                                                              | Heater Kit      |                       |      | Air Conditioner         |                                              |                            |                                                          | Heater Kit                    |                                       | Air Conditioner                                            |                                       |                                                                     |    |
|                                                                                         | MODEL NO. RXLJ- | Rated Heater KW @ 460 | FLA  | UNIT MIN. CKT. AMPACITY | UNIT MIN. CKT. AMPACITY WITH POWERED EXHAUST | MAX FUSE OR CKT. BKR. SIZE | MAX FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST | HEATER KIT MIN. CKT. AMPACITY | HEATER KIT MAX FUSE OR CKT. BKR. SIZE | AIR COND. MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | AIR COND. MAX. FUSE OR CKT. BKR. SIZE | AIR COND. MAX. FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST |    |
| 120ADF                                                                                  | NONE            | -                     | -    | 24                      | 26                                           | 35                         | 35                                                       | -                             | -                                     | 24                                                         | 26                                    | 35                                                                  | 35 |
|                                                                                         | DD10DNV         | 9.9                   | 11.9 | 24                      | 26                                           | 35                         | 35                                                       | 15                            | 15                                    | 24                                                         | 26                                    | 35                                                                  | 35 |
|                                                                                         | DD15DNV         | 14.4                  | 17.3 | 26                      | 29                                           | 35                         | 35                                                       | 22                            | 25                                    | 24                                                         | 26                                    | 35                                                                  | 35 |
|                                                                                         | DD20DNV         | 19.8                  | 23.8 | 34                      | 37                                           | 40                         | 40                                                       | 30                            | 30                                    | 24                                                         | 26                                    | 35                                                                  | 35 |
|                                                                                         | DD30DNV         | 28.8                  | 34.6 | 47                      | 51                                           | 50                         | 60                                                       | 44                            | 45                                    | 24                                                         | 26                                    | 35                                                                  | 35 |
| 120ADG                                                                                  | DD40DNV         | 39.6                  | 47.6 | 64                      | 67                                           | 70                         | 70                                                       | 60                            | 60                                    | 24                                                         | 26                                    | 35                                                                  | 35 |
|                                                                                         | NONE            | -                     | -    | 25                      | 28                                           | 35                         | 40                                                       | -                             | -                                     | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | DD10DNV         | 9.9                   | 11.9 | 25                      | 28                                           | 35                         | 40                                                       | 15                            | 15                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | DD15DNV         | 14.4                  | 17.3 | 28                      | 31                                           | 35                         | 40                                                       | 22                            | 25                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | DD20DNV         | 19.8                  | 23.8 | 36                      | 39                                           | 40                         | 40                                                       | 30                            | 30                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
| 120ADH                                                                                  | DD30DNV         | 28.8                  | 34.6 | 49                      | 53                                           | 50                         | 60                                                       | 44                            | 45                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | DD40DNV         | 39.6                  | 47.6 | 66                      | 69                                           | 70                         | 70                                                       | 60                            | 60                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | NONE            | -                     | -    | 25                      | 28                                           | 35                         | 40                                                       | -                             | -                                     | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | DD10DNV         | 9.9                   | 11.9 | 25                      | 28                                           | 35                         | 40                                                       | 15                            | 15                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | DD15DNV         | 14.4                  | 17.3 | 28                      | 31                                           | 35                         | 40                                                       | 22                            | 25                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
| 150ADF                                                                                  | DD20DNV         | 19.8                  | 23.8 | 36                      | 39                                           | 40                         | 40                                                       | 30                            | 30                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | DD30DNV         | 28.8                  | 34.6 | 49                      | 53                                           | 50                         | 60                                                       | 44                            | 45                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | DD40DNV         | 39.6                  | 47.6 | 66                      | 69                                           | 70                         | 70                                                       | 60                            | 60                                    | 25                                                         | 28                                    | 35                                                                  | 40 |
|                                                                                         | NONE            | -                     | -    | 29                      | 32                                           | 35                         | 40                                                       | -                             | -                                     | 29                                                         | 32                                    | 35                                                                  | 40 |
|                                                                                         | DD10DNV         | 9.9                   | 11.9 | 29                      | 32                                           | 35                         | 40                                                       | 15                            | 15                                    | 29                                                         | 32                                    | 35                                                                  | 40 |
| 150ADG                                                                                  | DD15DNV         | 14.4                  | 17.3 | 29                      | 32                                           | 35                         | 40                                                       | 22                            | 25                                    | 29                                                         | 32                                    | 35                                                                  | 40 |
|                                                                                         | DD20DNV         | 19.8                  | 23.8 | 36                      | 39                                           | 40                         | 40                                                       | 30                            | 30                                    | 29                                                         | 32                                    | 35                                                                  | 40 |
|                                                                                         | DD30DNV         | 28.8                  | 34.6 | 49                      | 53                                           | 50                         | 60                                                       | 44                            | 45                                    | 29                                                         | 32                                    | 35                                                                  | 40 |
|                                                                                         | DD40DNV         | 39.6                  | 47.6 | 66                      | 69                                           | 70                         | 70                                                       | 60                            | 60                                    | 29                                                         | 32                                    | 35                                                                  | 40 |
|                                                                                         | NONE            | -                     | -    | 31                      | 34                                           | 35                         | 40                                                       | -                             | -                                     | 31                                                         | 34                                    | 35                                                                  | 40 |
| 150ADH                                                                                  | DD10DNV         | 9.9                   | 11.9 | 31                      | 34                                           | 35                         | 40                                                       | 15                            | 15                                    | 31                                                         | 34                                    | 35                                                                  | 40 |
|                                                                                         | DD15DNV         | 14.4                  | 17.3 | 31                      | 34                                           | 35                         | 40                                                       | 22                            | 25                                    | 31                                                         | 34                                    | 35                                                                  | 40 |
|                                                                                         | DD20DNV         | 19.8                  | 23.8 | 38                      | 41                                           | 40                         | 45                                                       | 30                            | 30                                    | 31                                                         | 34                                    | 35                                                                  | 40 |
|                                                                                         | DD30DNV         | 28.8                  | 34.6 | 52                      | 55                                           | 60                         | 60                                                       | 44                            | 45                                    | 31                                                         | 34                                    | 35                                                                  | 40 |
|                                                                                         | DD40DNV         | 39.6                  | 47.6 | 68                      | 71                                           | 70                         | 80                                                       | 60                            | 60                                    | 31                                                         | 34                                    | 35                                                                  | 40 |

# P. APPENDICES

## Appendix E – Heater Kit Characteristics (Cont.)

| 575V, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KIT CHARACTERISTICS AND APPLICATION |                 |                       |      |                                                    |                                                       |                            |                                                          |                               |                                       |                                                            |                                       |                                                                     |  |
|-----------------------------------------------------------------------------------------|-----------------|-----------------------|------|----------------------------------------------------|-------------------------------------------------------|----------------------------|----------------------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|--|
| Single Power Supply for Both Unit and Heater Kit                                        |                 |                       |      | Separate Power Supply for Both Unit and Heater Kit |                                                       |                            |                                                          |                               |                                       |                                                            |                                       |                                                                     |  |
| UNIT MODEL NUMBER (-ACDYB)                                                              | Heater Kit      |                       |      | Air Conditioner                                    |                                                       |                            |                                                          | Heater Kit                    |                                       | Air Conditioner                                            |                                       |                                                                     |  |
|                                                                                         | MODEL NO. RXJL- | Rated Heater KW @ 575 | FLA  | UNIT MIN. CKT. AMPACITY                            | UNIT MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | MAX FUSE OR CKT. BKR. SIZE | MAX FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST | HEATER KIT MIN. CKT. AMPACITY | HEATER KIT MAX FUSE OR CKT. BKR. SIZE | AIR COND. MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | AIR COND. MAX. FUSE OR CKT. BKR. SIZE | AIR COND. MAX. FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST |  |
| 090AYF                                                                                  | NONE            | -                     | -    | 15                                                 | 17                                                    | 20                         | 25                                                       | -                             | -                                     | 15                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD10Y           | 10.0                  | 9.6  | 16                                                 | 18                                                    | 20                         | 25                                                       | 13                            | 15                                    | 15                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD15Y           | 15.0                  | 14.4 | 22                                                 | 24                                                    | 25                         | 30                                                       | 19                            | 20                                    | 15                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD20Y           | 20.0                  | 19.3 | 28                                                 | 30                                                    | 30                         | 35                                                       | 25                            | 25                                    | 15                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD30Y           | 30.0                  | 28.9 | 40                                                 | 42                                                    | 40                         | 45                                                       | 37                            | 40                                    | 15                                                         | 20                                    | 25                                                                  |  |
| 090AYG                                                                                  | DD40Y           | 40.0                  | 38.5 | 52                                                 | 54                                                    | 60                         | 60                                                       | 49                            | 50                                    | 15                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | NONE            | -                     | -    | 16                                                 | 18                                                    | 20                         | 25                                                       | -                             | -                                     | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD10Y           | 10.0                  | 9.6  | 17                                                 | 20                                                    | 20                         | 25                                                       | 13                            | 15                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD15Y           | 15.0                  | 14.4 | 23                                                 | 26                                                    | 25                         | 30                                                       | 19                            | 20                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD20Y           | 20.0                  | 19.3 | 29                                                 | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 16                                                         | 20                                    | 25                                                                  |  |
| 090AYH                                                                                  | DD30Y           | 30.0                  | 28.9 | 41                                                 | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD40Y           | 40.0                  | 38.5 | 53                                                 | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | NONE            | -                     | -    | 16                                                 | 18                                                    | 20                         | 25                                                       | -                             | -                                     | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD10Y           | 10.0                  | 9.6  | 17                                                 | 20                                                    | 20                         | 25                                                       | 13                            | 15                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD15Y           | 15.0                  | 14.4 | 23                                                 | 26                                                    | 25                         | 30                                                       | 19                            | 20                                    | 16                                                         | 20                                    | 25                                                                  |  |
| 102AYF                                                                                  | DD20Y           | 20.0                  | 19.3 | 29                                                 | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD30Y           | 30.0                  | 28.9 | 41                                                 | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD40Y           | 40.0                  | 38.5 | 53                                                 | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | NONE            | -                     | -    | 16                                                 | 18                                                    | 20                         | 25                                                       | -                             | -                                     | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD10Y           | 10.0                  | 9.6  | 16                                                 | 18                                                    | 20                         | 25                                                       | 13                            | 15                                    | 16                                                         | 20                                    | 25                                                                  |  |
| 102AYG                                                                                  | DD15Y           | 15.0                  | 14.4 | 22                                                 | 24                                                    | 25                         | 30                                                       | 19                            | 20                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD20Y           | 20.0                  | 19.3 | 28                                                 | 30                                                    | 30                         | 35                                                       | 25                            | 25                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD30Y           | 30.0                  | 28.9 | 40                                                 | 42                                                    | 40                         | 45                                                       | 37                            | 40                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | DD40Y           | 40.0                  | 38.5 | 52                                                 | 54                                                    | 60                         | 60                                                       | 49                            | 50                                    | 16                                                         | 20                                    | 25                                                                  |  |
|                                                                                         | NONE            | -                     | -    | 17                                                 | 19                                                    | 25                         | 25                                                       | -                             | -                                     | 17                                                         | 25                                    | 25                                                                  |  |
| 102AYH                                                                                  | DD10Y           | 10.0                  | 9.6  | 17                                                 | 20                                                    | 25                         | 25                                                       | 13                            | 15                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD15Y           | 15.0                  | 14.4 | 23                                                 | 26                                                    | 25                         | 30                                                       | 19                            | 20                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD20Y           | 20.0                  | 19.3 | 29                                                 | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD30Y           | 30.0                  | 28.9 | 41                                                 | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD40Y           | 40.0                  | 38.5 | 53                                                 | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 17                                                         | 25                                    | 25                                                                  |  |
| 102AYI                                                                                  | NONE            | -                     | -    | 17                                                 | 19                                                    | 25                         | 25                                                       | -                             | -                                     | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD10Y           | 10.0                  | 9.6  | 17                                                 | 20                                                    | 25                         | 25                                                       | 13                            | 15                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD15Y           | 15.0                  | 14.4 | 23                                                 | 26                                                    | 25                         | 30                                                       | 19                            | 20                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD20Y           | 20.0                  | 19.3 | 29                                                 | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD30Y           | 30.0                  | 28.9 | 41                                                 | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 17                                                         | 25                                    | 25                                                                  |  |
| 102AYJ                                                                                  | DD40Y           | 40.0                  | 38.5 | 53                                                 | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | NONE            | -                     | -    | 17                                                 | 19                                                    | 25                         | 25                                                       | -                             | -                                     | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD10Y           | 10.0                  | 9.6  | 17                                                 | 20                                                    | 25                         | 25                                                       | 13                            | 15                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD15Y           | 15.0                  | 14.4 | 23                                                 | 26                                                    | 25                         | 30                                                       | 19                            | 20                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD20Y           | 20.0                  | 19.3 | 29                                                 | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 17                                                         | 25                                    | 25                                                                  |  |
| 102AYK                                                                                  | DD30Y           | 30.0                  | 28.9 | 41                                                 | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD40Y           | 40.0                  | 38.5 | 53                                                 | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | NONE            | -                     | -    | 17                                                 | 19                                                    | 25                         | 25                                                       | -                             | -                                     | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD10Y           | 10.0                  | 9.6  | 17                                                 | 20                                                    | 25                         | 25                                                       | 13                            | 15                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD15Y           | 15.0                  | 14.4 | 23                                                 | 26                                                    | 25                         | 30                                                       | 19                            | 20                                    | 17                                                         | 25                                    | 25                                                                  |  |
| 102AYL                                                                                  | DD20Y           | 20.0                  | 19.3 | 29                                                 | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD30Y           | 30.0                  | 28.9 | 41                                                 | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD40Y           | 40.0                  | 38.5 | 53                                                 | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | NONE            | -                     | -    | 17                                                 | 19                                                    | 25                         | 25                                                       | -                             | -                                     | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD10Y           | 10.0                  | 9.6  | 17                                                 | 20                                                    | 25                         | 25                                                       | 13                            | 15                                    | 17                                                         | 25                                    | 25                                                                  |  |
| 102AYM                                                                                  | DD15Y           | 15.0                  | 14.4 | 23                                                 | 26                                                    | 25                         | 30                                                       | 19                            | 20                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD20Y           | 20.0                  | 19.3 | 29                                                 | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD30Y           | 30.0                  | 28.9 | 41                                                 | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | DD40Y           | 40.0                  | 38.5 | 53                                                 | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 17                                                         | 25                                    | 25                                                                  |  |
|                                                                                         | NONE            | -                     | -    | 17                                                 | 19                                                    | 25                         | 25                                                       | -                             | -                                     | 17                                                         | 25                                    | 25                                                                  |  |

## Appendix E – Heater Kit Characteristics (Cont.)

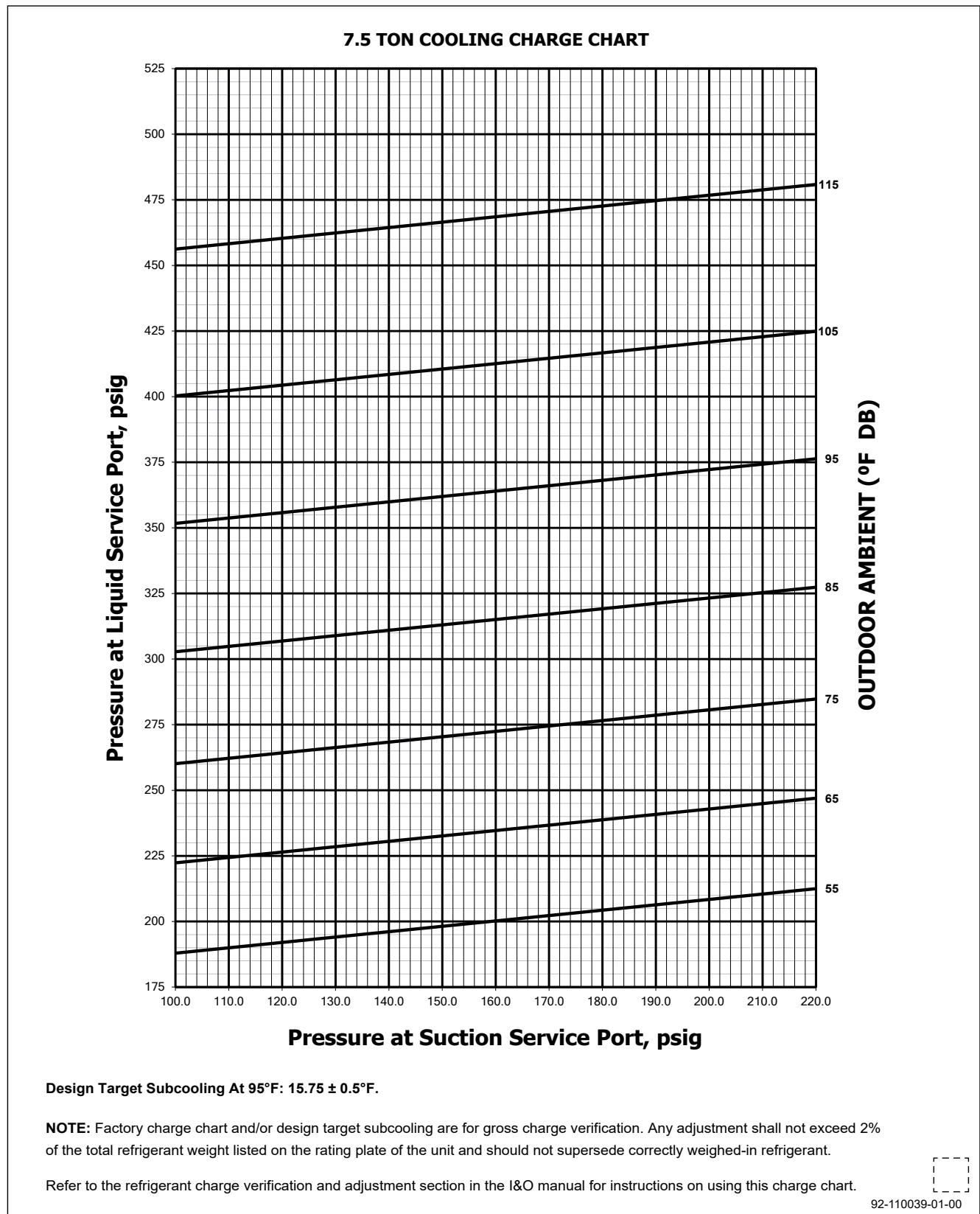
| 575V, THREE PHASE, 60 Hz, AUXILIARY ELECTRIC HEATER KIT CHARACTERISTICS AND APPLICATION |                     |                       |      |                         |                                                       |                            |                                                          |                               |                                       |                                                            |                                       |                                                                     |  |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------|------|-------------------------|-------------------------------------------------------|----------------------------|----------------------------------------------------------|-------------------------------|---------------------------------------|------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------|--|
| Single Power Supply for Both Unit and Heater Kit                                        |                     |                       |      |                         |                                                       |                            | Separate Power Supply for Both Unit and Heater Kit       |                               |                                       |                                                            |                                       |                                                                     |  |
| UNIT MODEL NUMBER (-)ACDYB                                                              | Heater Kit          |                       |      | Air Conditioner         |                                                       |                            |                                                          | Heater Kit                    |                                       | Air Conditioner                                            |                                       |                                                                     |  |
|                                                                                         | MODEL NO. RXJ-<br>- | Rated Heater KW @ 575 | FLA  | UNIT MIN. CKT. AMPACITY | UNIT MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | MAX FUSE OR CKT. BKR. SIZE | MAX FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST | HEATER KIT MIN. CKT. AMPACITY | HEATER KIT MAX FUSE OR CKT. BKR. SIZE | AIR COND. MIN. CKT. AMPACITY WITH OPTIONAL POWERED EXHAUST | AIR COND. MAX. FUSE OR CKT. BKR. SIZE | AIR COND. MAX. FUSE OR CKT. BKR. SIZE WITH OPTIONAL POWERED EXHAUST |  |
| 120AYF                                                                                  | NONE                | -                     | -    | 19                      | 21                                                    | 30                         | 30                                                       | -                             | -                                     | 19                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D010Y               | 10.0                  | 9.6  | 19                      | 21                                                    | 30                         | 30                                                       | 13                            | 15                                    | 19                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D015Y               | 15.0                  | 14.4 | 22                      | 24                                                    | 30                         | 30                                                       | 19                            | 20                                    | 21                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D020Y               | 20.0                  | 19.3 | 28                      | 30                                                    | 30                         | 30                                                       | 25                            | 25                                    | 19                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D030Y               | 30.0                  | 28.9 | 40                      | 42                                                    | 40                         | 45                                                       | 37                            | 40                                    | 19                                                         | 30                                    | 30                                                                  |  |
| 120AYG                                                                                  | D040Y               | 40.0                  | 38.5 | 52                      | 54                                                    | 60                         | 60                                                       | 49                            | 50                                    | 19                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | NONE                | -                     | -    | 20                      | 22                                                    | 30                         | 30                                                       | -                             | -                                     | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D010Y               | 10.0                  | 9.6  | 20                      | 22                                                    | 30                         | 30                                                       | 13                            | 15                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D015Y               | 15.0                  | 14.4 | 23                      | 26                                                    | 30                         | 30                                                       | 19                            | 20                                    | 22                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D020Y               | 20.0                  | 19.3 | 29                      | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 20                                                         | 30                                    | 30                                                                  |  |
| 120AYH                                                                                  | D030Y               | 30.0                  | 28.9 | 41                      | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D040Y               | 40.0                  | 38.5 | 53                      | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | NONE                | -                     | -    | 20                      | 22                                                    | 30                         | 30                                                       | -                             | -                                     | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D010Y               | 10.0                  | 9.6  | 20                      | 22                                                    | 30                         | 30                                                       | 13                            | 15                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D015Y               | 15.0                  | 14.4 | 23                      | 26                                                    | 30                         | 30                                                       | 19                            | 20                                    | 22                                                         | 30                                    | 30                                                                  |  |
| 150AYF                                                                                  | D020Y               | 20.0                  | 19.3 | 29                      | 32                                                    | 35                         | 35                                                       | 25                            | 25                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D030Y               | 30.0                  | 28.9 | 41                      | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D040Y               | 40.0                  | 38.5 | 53                      | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 20                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | NONE                | -                     | -    | 23                      | 25                                                    | 25                         | 30                                                       | -                             | -                                     | 23                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | D010Y               | 10.0                  | 9.6  | 23                      | 25                                                    | 25                         | 30                                                       | 13                            | 15                                    | 23                                                         | 25                                    | 30                                                                  |  |
| 150AYG                                                                                  | D015Y               | 15.0                  | 14.4 | 23                      | 26                                                    | 30                         | 30                                                       | 19                            | 20                                    | 23                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | D020Y               | 20.0                  | 19.3 | 29                      | 32                                                    | 30                         | 35                                                       | 25                            | 25                                    | 23                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | D030Y               | 30.0                  | 28.9 | 41                      | 44                                                    | 45                         | 45                                                       | 37                            | 40                                    | 23                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | D040Y               | 40.0                  | 38.5 | 53                      | 56                                                    | 60                         | 60                                                       | 49                            | 50                                    | 23                                                         | 25                                    | 30                                                                  |  |
|                                                                                         | NONE                | -                     | -    | 24                      | 26                                                    | 30                         | 30                                                       | -                             | -                                     | 24                                                         | 30                                    | 30                                                                  |  |
| 150AYH                                                                                  | D010Y               | 10.0                  | 9.6  | 24                      | 26                                                    | 30                         | 30                                                       | 13                            | 15                                    | 24                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D015Y               | 15.0                  | 14.4 | 25                      | 28                                                    | 30                         | 30                                                       | 19                            | 20                                    | 24                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D020Y               | 20.0                  | 19.3 | 31                      | 34                                                    | 35                         | 35                                                       | 25                            | 25                                    | 24                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D030Y               | 30.0                  | 28.9 | 43                      | 46                                                    | 45                         | 50                                                       | 37                            | 40                                    | 24                                                         | 30                                    | 30                                                                  |  |
|                                                                                         | D040Y               | 40.0                  | 38.5 | 55                      | 58                                                    | 60                         | 60                                                       | 49                            | 50                                    | 24                                                         | 30                                    | 30                                                                  |  |

# P. APPENDICES

## Appendix F. A2L Refrigerant Installation Safety Data

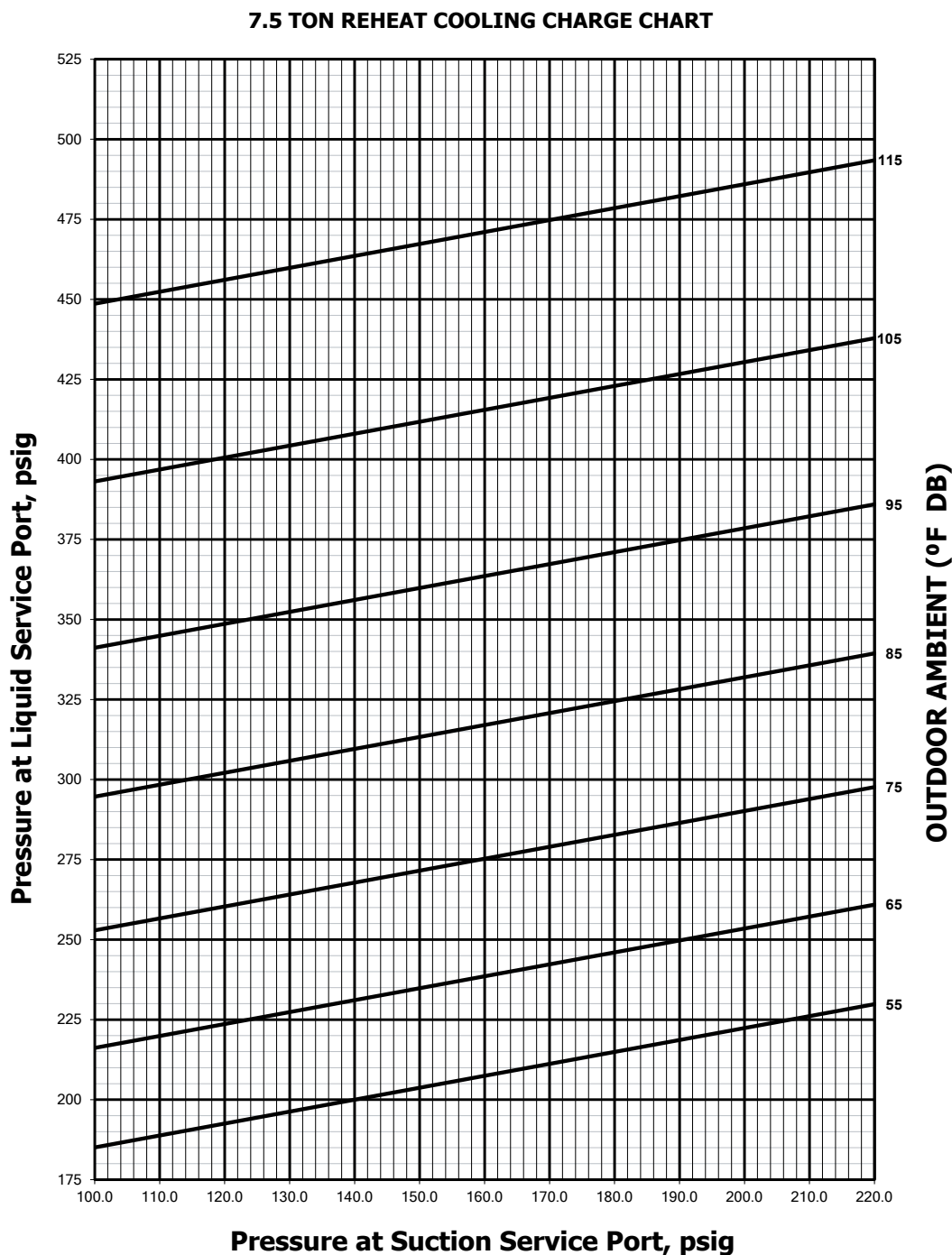
|                                                  |                                  | (-)ACDYB090                                                    | (-)ACDYB102 | (-)ACDYB120 | (-)ACDYB150 | (-)ACDYB090<br>w/<br>Reheat | (-)ACDYB102<br>w/<br>Reheat | (-)ACDYB120<br>w/<br>Reheat | (-)ACDYB150<br>w/<br>Reheat |
|--------------------------------------------------|----------------------------------|----------------------------------------------------------------|-------------|-------------|-------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Refrigerant Charge Weight<br>(oz)                |                                  | 88                                                             | 113.6       | 171.2       | 168         | 120                         | 152                         | 210.4                       | 214.4                       |
| Minimum Circulation Airflow,<br>Qmin (cfm)       |                                  | 149                                                            | 192         | 290         | 284         | 203                         | 257                         | 356                         | 363                         |
| Installed<br>Altitude (ft<br>above sea<br>level) | Altitude<br>Adjustment<br>Factor | Minimum Total Conditioned Room Area, T <sub>Amin</sub> (sq ft) |             |             |             |                             |                             |                             |                             |
| 0                                                | 1.000                            | 82                                                             | 106         | 160         | 157         | 112                         | 142                         | 197                         | 201                         |
| 1000                                             | 1.025                            | 85                                                             | 109         | 164         | 161         | 115                         | 146                         | 202                         | 206                         |
| 2000                                             | 1.051                            | 87                                                             | 112         | 169         | 165         | 118                         | 150                         | 207                         | 211                         |
| 3000                                             | 1.078                            | 89                                                             | 115         | 173         | 170         | 121                         | 154                         | 213                         | 217                         |
| 4000                                             | 1.107                            | 91                                                             | 118         | 178         | 174         | 124                         | 158                         | 218                         | 222                         |
| 5000                                             | 1.138                            | 94                                                             | 121         | 183         | 179         | 128                         | 162                         | 224                         | 229                         |
| 6000                                             | 1.170                            | 96                                                             | 125         | 188         | 184         | 132                         | 167                         | 231                         | 235                         |
| 6500                                             | 1.187                            | 98                                                             | 126         | 190         | 187         | 133                         | 169                         | 234                         | 239                         |

## Appendix G – Refrigerant Charging Charts



# P. APPENDICES

## Appendix G – Refrigerant Charging Charts (Cont.)



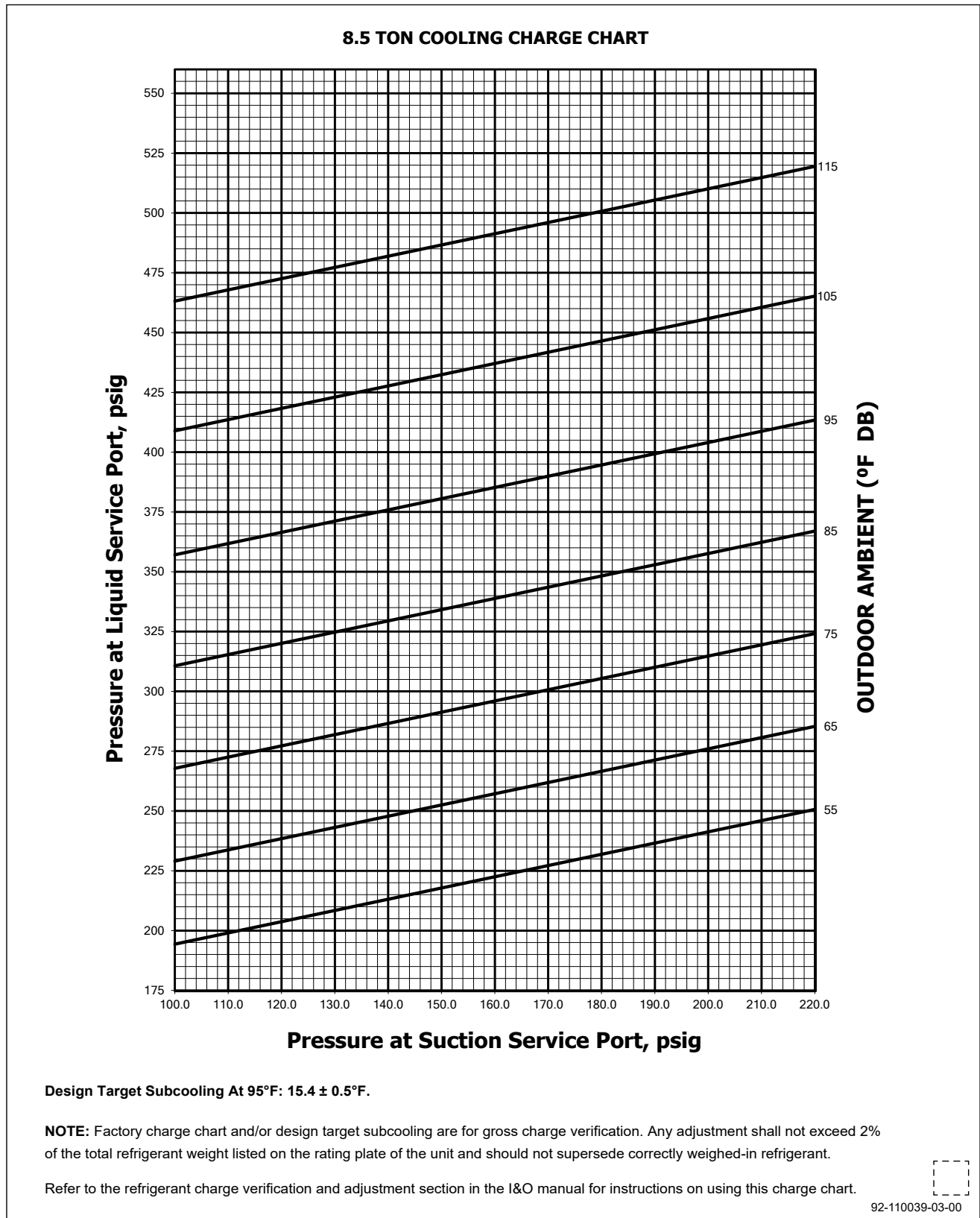
**Design Target Subcooling At 95°F:  $14.0 \pm 0.5^\circ\text{F}$ .**

**NOTE:** Factory charge chart and/or design target subcooling are for gross charge verification. Any adjustment shall not exceed 2% of the total refrigerant weight listed on the rating plate of the unit and should not supersede correctly weighed-in refrigerant.

Refer to the refrigerant charge verification and adjustment section in the I&O manual for instructions on using this charge chart.

92-110039-02-00

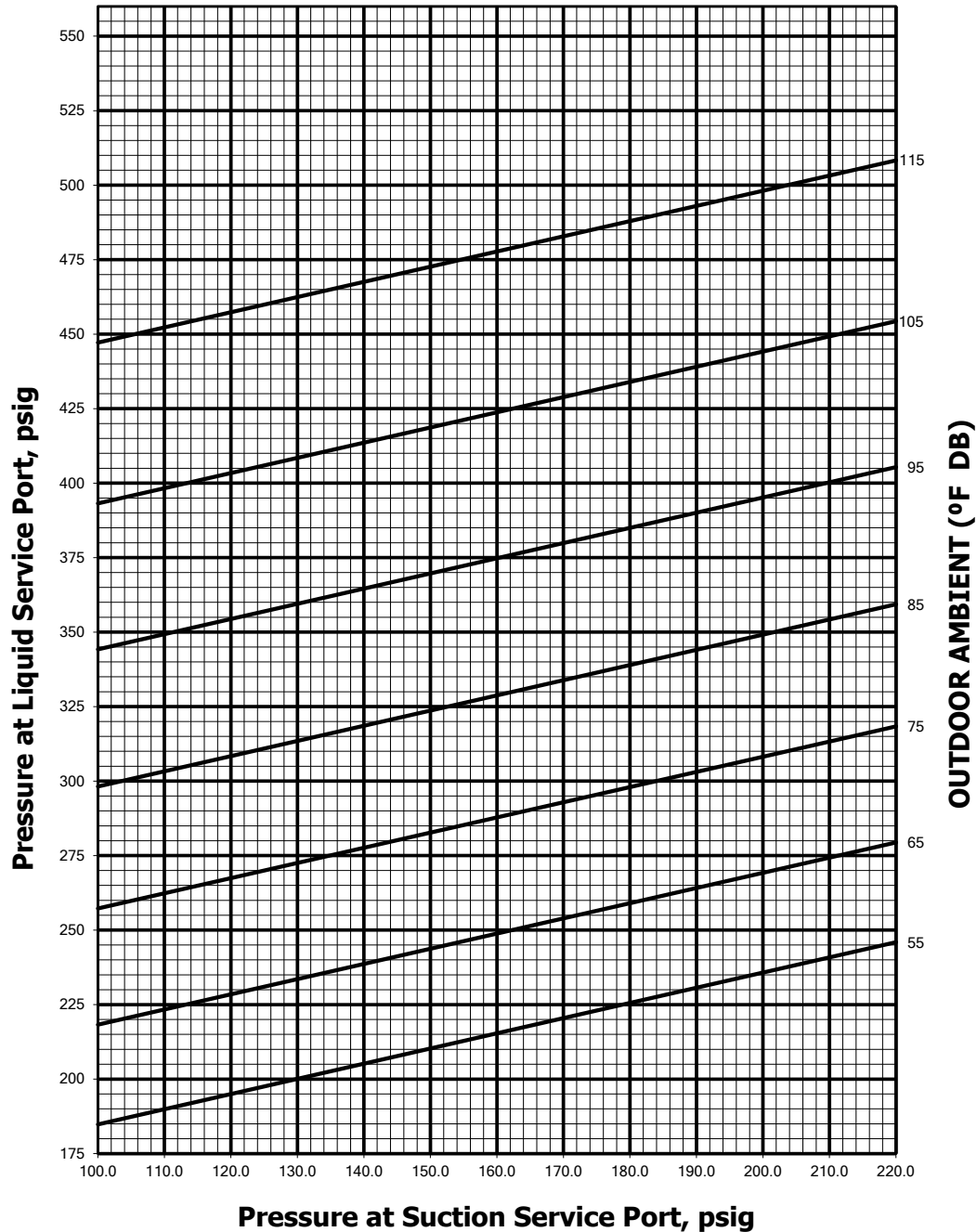
## Appendix G – Refrigerant Charging Charts (Cont.)



# P. APPENDICES

## Appendix G – Refrigerant Charging Charts (Cont.)

**8.5 TON REHEAT COOLING CHARGE CHART**



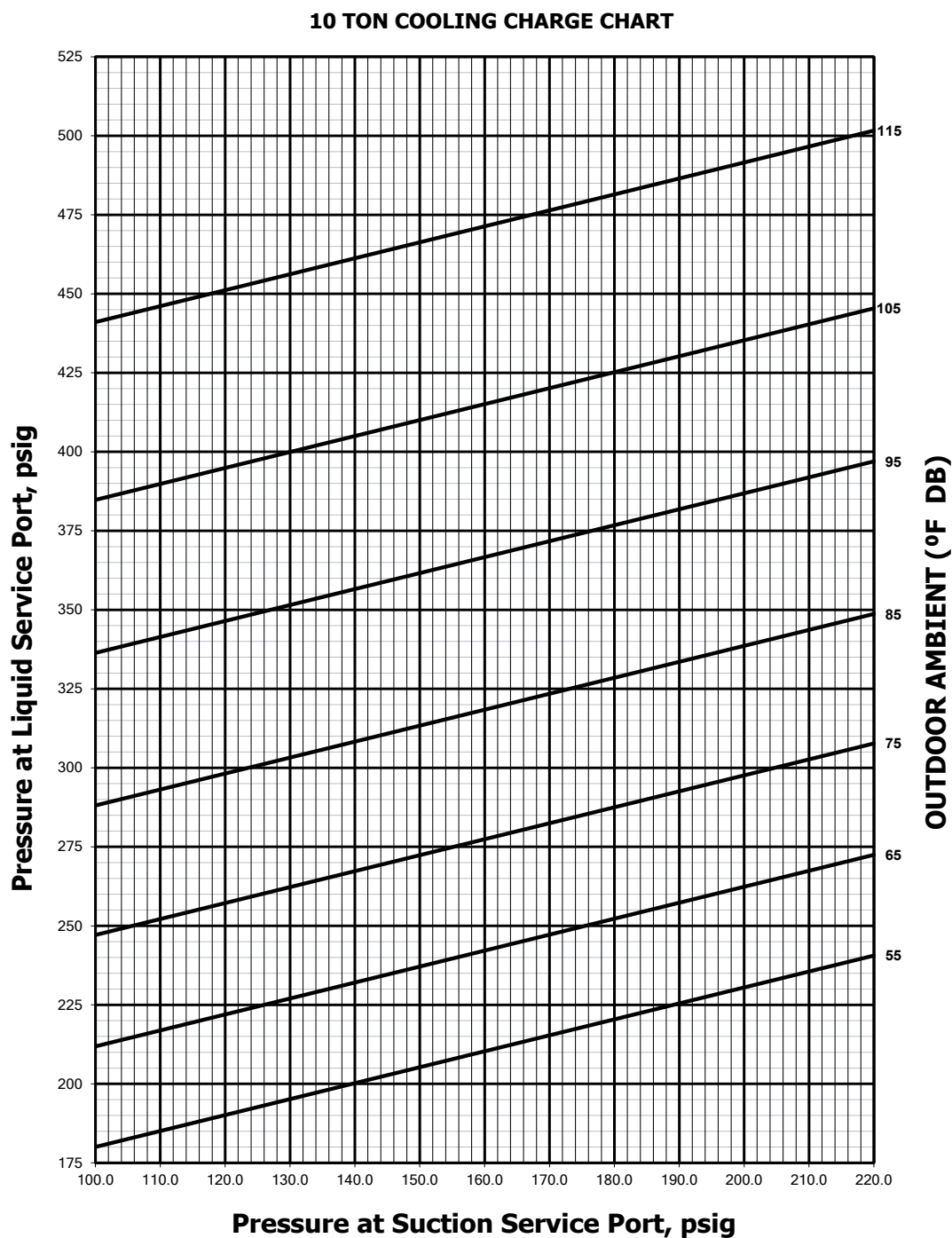
**Design Target Subcooling At 95°F:  $14.75 \pm 0.5^\circ\text{F}$ .**

**NOTE:** Factory charge chart and/or design target subcooling are for gross charge verification. Any adjustment shall not exceed 2% of the total refrigerant weight listed on the rating plate of the unit and should not supersede correctly weighed-in refrigerant.

Refer to the refrigerant charge verification and adjustment section in the I&O manual for instructions on using this charge chart.

92-110039-04-00

## Appendix G – Refrigerant Charging Charts (Cont.)



**Design Target Subcooling At 95°F:  $16.5 \pm 0.5^\circ\text{F}$ .**

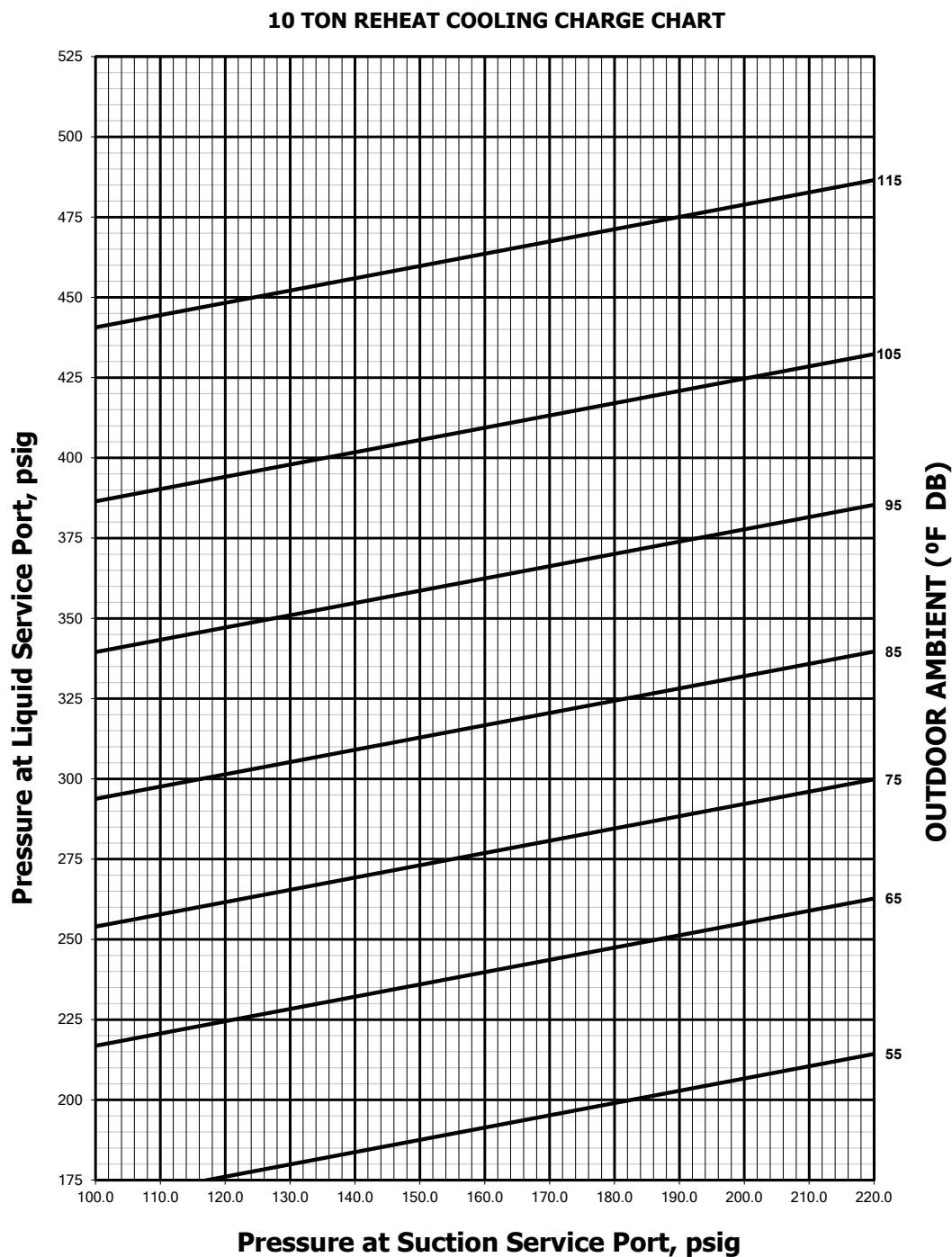
**NOTE:** Factory charge chart and/or design target subcooling are for gross charge verification. Any adjustment shall not exceed 2% of the total refrigerant weight listed on the rating plate of the unit and should not supersede correctly weighed-in refrigerant.

Refer to the refrigerant charge verification and adjustment section in the I&O manual for instructions on using this charge chart.

92-110039-05-00

# P. APPENDICES

## Appendix G – Refrigerant Charging Charts (Cont.)



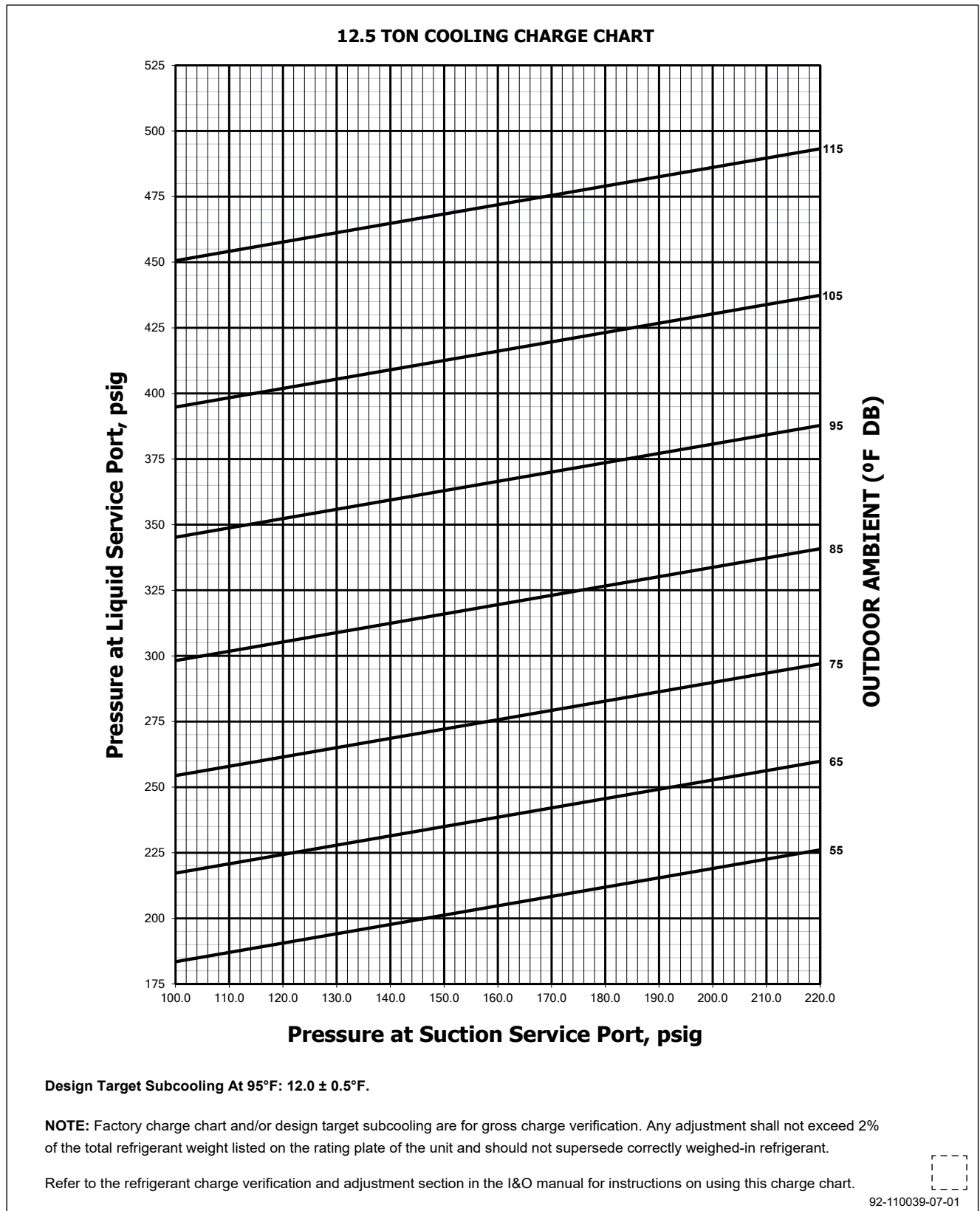
**Design Target Subcooling At 95°F:  $17.25 \pm 0.5^\circ\text{F}$ .**

**NOTE:** Factory charge chart and/or design target subcooling are for gross charge verification. Any adjustment shall not exceed 2% of the total refrigerant weight listed on the rating plate of the unit and should not supersede correctly weighed-in refrigerant.

Refer to the refrigerant charge verification and adjustment section in the I&O manual for instructions on using this charge chart.

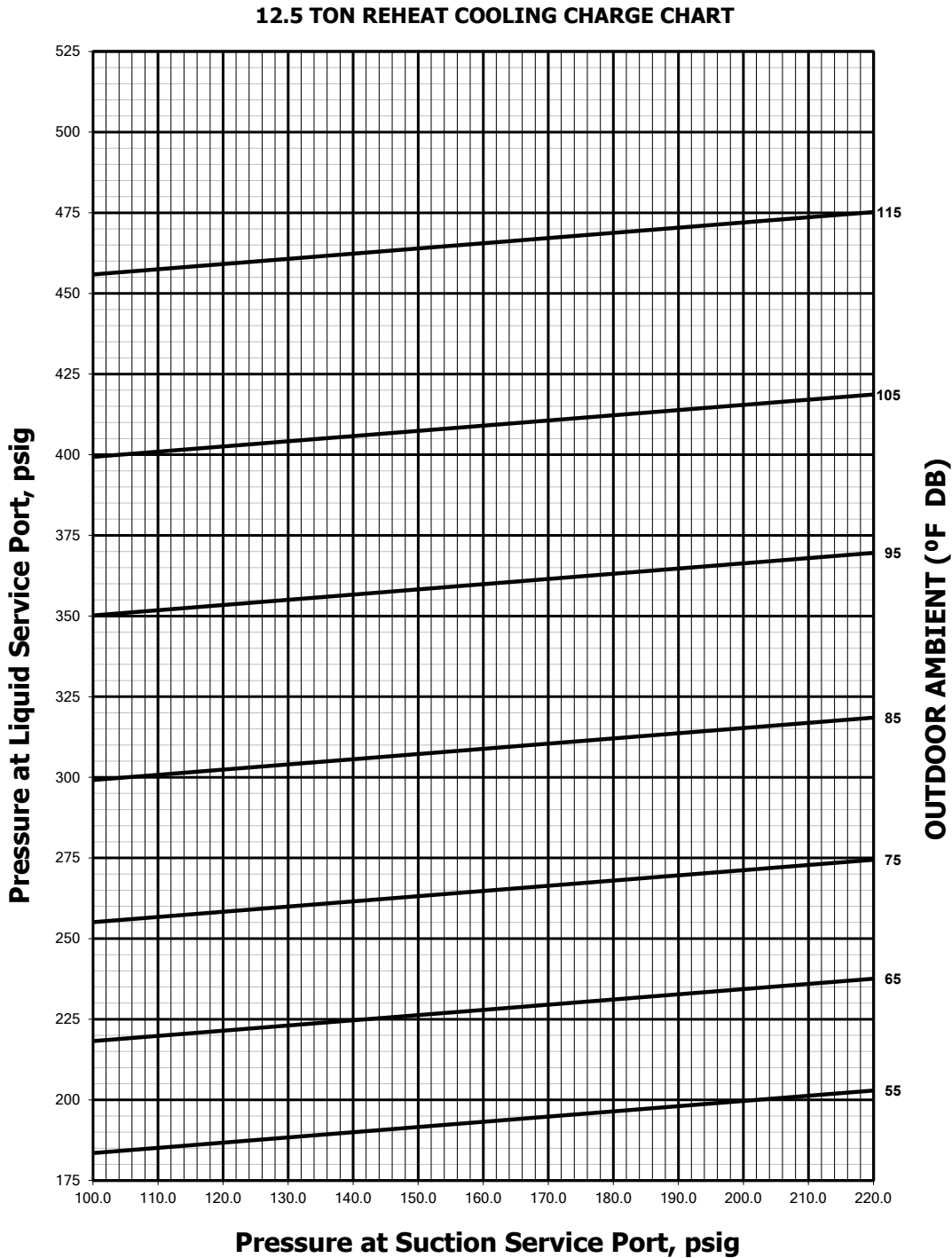
92-110039-06-00

## Appendix G – Refrigerant Charging Charts (Cont.)



# P. APPENDICES

## Appendix G – Refrigerant Charging Charts (Cont.)



**Design Target Subcooling At 95°F:  $13.0 \pm 0.5^\circ\text{F}$ .**

**NOTE:** Factory charge chart and/or design target subcooling are for gross charge verification. Any adjustment shall not exceed 2% of the total refrigerant weight listed on the rating plate of the unit and should not supersede correctly weighed-in refrigerant.

Refer to the refrigerant charge verification and adjustment section in the I&O manual for instructions on using this charge chart.

92-110039-08-00

## Appendix G – Refrigerant Charging Charts (Cont.)

### PRESSURE REQUIREMENTS – GROSS CHARGE CHECK (REFER CHARGE CHART)

| OUTDOOR DRY BULB (°F) | 7.5 -TON                      | 7.5 - TON with reheat | 8.5 -TON | 8.5 - TON with reheat | 10 -TON | 10 - TON with reheat | 12.5 -TON | 12.5 - TON with reheat |
|-----------------------|-------------------------------|-----------------------|----------|-----------------------|---------|----------------------|-----------|------------------------|
|                       | LIQUID /VAPOR PRESSURE (PSIG) |                       |          |                       |         |                      |           |                        |
| 115                   | 464/139                       | 462/135               | 479/135  | 465/135               | 452/140 | 455/138              | 461/128   | 461/129                |
| 105                   | 408/136                       | 406/133               | 424/132  | 410/133               | 400/138 | 400/135              | 404/125   | 404/127                |
| 95                    | 359/133                       | 353/132               | 371/130  | 360/131               | 349/136 | 352/133              | 354/124   | 355/127                |
| 85                    | 309/130                       | 306/130               | 324/129  | 313/129               | 303/134 | 306/131              | 307/122   | 303/124                |
| 75                    | 266/126                       | 263/127               | 280/127  | 271/127               | 263/132 | 265/128              | 292/123   | 359/123                |
| 65                    | 227/123                       | 225/124               | 240/124  | 231/125               | 227/130 | 227/126              | 225/120   | 223/121                |
| 55                    | 192/119                       | 193/120               | 204/120  | 196/122               | 193/124 | 183/137              | 190/118   | 187/119                |

### SUB COOLING REQUIREMENTS – FINAL CHARGE VERIFICATION

| OUTDOOR DRY BULB (°F) | 7.5 -TON        | 7.5 - TON with reheat | 8.5 -TON | 8.5 - TON with reheat | 10 -TON | 10 - TON with reheat | 12.5 -TON | 12.5 - TON with reheat |
|-----------------------|-----------------|-----------------------|----------|-----------------------|---------|----------------------|-----------|------------------------|
|                       | SUBCOOLING (°F) |                       |          |                       |         |                      |           |                        |
| 115                   | 16.9            | 16.1                  | 16.3     | 15.8                  | 12.7    | 16.6                 | 13.0      | 14.4                   |
| 105                   | 16.4            | 15.4                  | 16.3     | 14.8                  | 12.3    | 16.1                 | 12.4      | 13.4                   |
| 95                    | 15.8            | 14.7                  | 15.4     | 13.5                  | 12.2    | 16.4                 | 11.6      | 12.9                   |
| 85                    | 15.3            | 13.8                  | 14.2     | 12.3                  | 12.1    | 15.5                 | 9.6       | 9.8                    |
| 75                    | 14.6            | 13.2                  | 13.0     | 11.2                  | 13.2    | 15.2                 | 8.7       | 7.7                    |
| 65                    | 13.3            | 12.7                  | 11.8     | 10.5                  | 13.5    | 14.6                 | 4.3       | 6.5                    |
| 55                    | 12.7            | 12.9                  | 11.2     | 10.4                  | 14.2    | 10.5                 | 4.3       | 7.5                    |

Charge verification instructions:

1. Allow the unit to operate for 15 minutes before checking or adjusting the charge.
2. Ensure that the contamination of different refrigerants does not occur when using charging equipment. Hoses of lines shall be as short as possible to minimize the amount of refrigerant contained in them.
3. Ensure that the unit is properly grounded.
4. Return air temperature must be within comfort conditions (72°F - 82°F).
5. Remove caps from the high-side and low-side pressure service fittings.
6. Cylinders shall be kept in an upright position for the entirety of the testing and charging procedure.
7. Record the following measurements:
  - a. High-side pressure at service fitting
  - b. Liquid line temperature
8. Using R-454B refrigerant saturation T-P tables, find the corresponding refrigerant saturation temperature relative to the measured high-side pressure.

9. To determine subcooling, subtract the liquid line temperature measured in Step 7 from the saturation temperature found in Step 8.

10. Compare the subcooling result from Step 9 to the subcooling table located on the unit or in the I&O manual.

11. If the subcooling value from Step 9 is more than 1°F above the value listed in the subcooling table, remove charge to match the value listed in the table,  $\pm 0.5^\circ\text{F}$ .

a. Take extreme care not to overfill the refrigerating system.

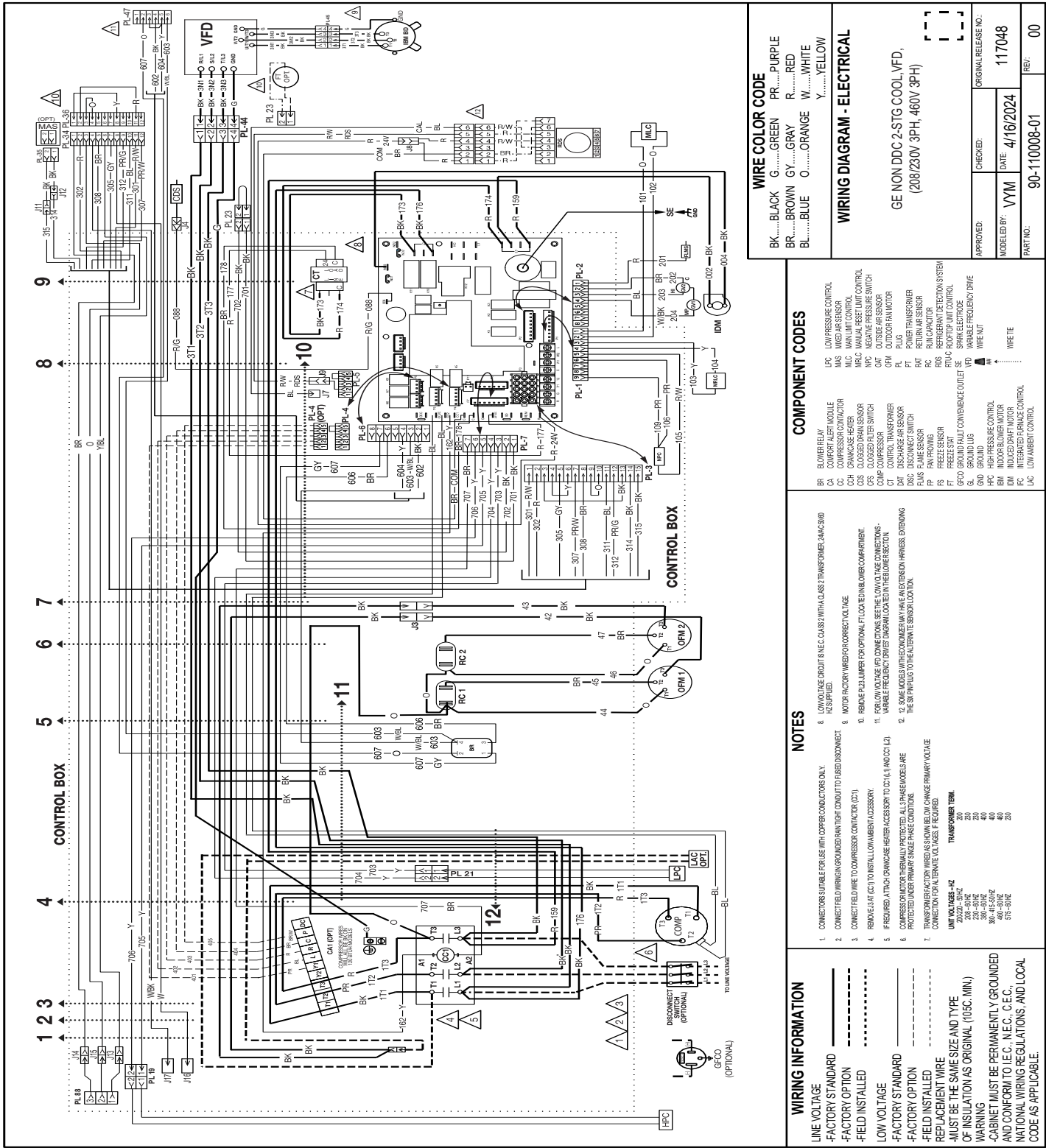
12. If the subcooling value from Step 9 is more than 1°F below the value listed in the subcooling table, add charge to match the value listed in the table,  $\pm 0.5^\circ\text{F}$ .

a. Take extreme care not to overfill the refrigerating system.

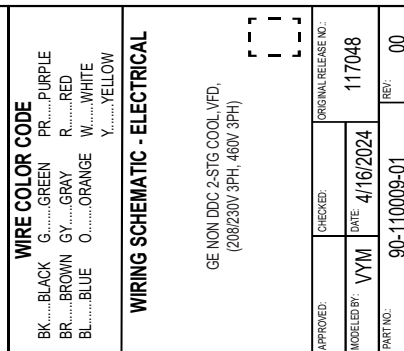
After charging is complete, a leak test must be done. Before leaving the site an additional leak test must also be done at the end of the installation. Refer to **J.1.1.3. Removal and Evacuation of Refrigerant.**

# P. APPENDICES

## Appendix H. Wiring Diagrams & Schematics



## Appendix H. Wiring Diagrams & Schematics (Cont.)

[illegible]