

Emerson Climate Technologies  
Integrated Products Division



60Hz Air - Cooled Unit Performance

Release Date:01/11/2017

Unit Model: M6GP-H064-CAV-177  
Compressor: RST45C1E-CAV-104  
Condenser: 566-1183-03 x 1  
Fan Motor: 050-0367-12 x 1  
Fan Blade: 083-0161-00 x 1  
Unit Dimensions: 18.86``L x 14.34``W x 11.79``H

Refrigerant R-404A  
Return Gas Temp. (°F): 40  
Subcooling (°F): 5  
Air Flow Rate (CFM) 450  
Fan Motor Power (Watt): 100  
Unit Dwg. No: 496-7143-66

Performance: 90°F Ambient Air Temperature

| Evap Temp (°F) | Capacity (Btu/hr): | Power (Watts): | EER (Btu/Wh): | Cond. Temp. (°F) | Temp. Diff. (°F) | Refr. Pd. (Psi) |
|----------------|--------------------|----------------|---------------|------------------|------------------|-----------------|
| -25            | 1,460              | 548            | 2.7           | 97.7             | 7.7              | 0.7             |
| -20            | 1,830              | 585            | 3.1           | 98.9             | 8.9              | 1.0             |
| -15            | 2,210              | 622            | 3.6           | 100.1            | 10.1             | 1.3             |
| -10            | 2,580              | 660            | 3.9           | 101.4            | 11.4             | 1.8             |
| -5             | 2,970              | 698            | 4.3           | 102.7            | 12.7             | 2.2             |
| 0              | 3,360              | 736            | 4.6           | 104.1            | 14.1             | 2.8             |
| 5              | 3,760              | 775            | 4.9           | 105.5            | 15.5             | 3.4             |
| 10             | 4,170              | 815            | 5.1           | 106.9            | 16.9             | 4.1             |
| 15             | 4,600              | 856            | 5.4           | 108.5            | 18.5             | 5.0             |
| 20             | 5,040              | 898            | 5.6           | 110.1            | 20.1             | 5.9             |
| 25             | 5,490              | 941            | 5.8           | 111.8            | 21.8             | 7.0             |
| 30             | 5,970              | 987            | 6.0           | 113.5            | 23.5             | 8.2             |

Performance: 100°F Ambient Air Temperature

| Evap Temp (°F) | Capacity (Btu/hr): | Power (Watts): | EER (Btu/Wh): | Cond. Temp. (°F) | Temp. Diff. (°F) | Refr. Pd. (Psi) |
|----------------|--------------------|----------------|---------------|------------------|------------------|-----------------|
| -25            | 1,220              | 552            | 2.2           | 107.9            | 7.9              | 1.4             |
| -20            | 1,580              | 592            | 2.7           | 108.9            | 8.9              | 1.6             |
| -15            | 1,940              | 633            | 3.1           | 110.0            | 10.0             | 1.9             |
| -10            | 2,290              | 673            | 3.4           | 111.1            | 11.1             | 2.2             |
| -5             | 2,650              | 714            | 3.7           | 112.2            | 12.2             | 2.6             |
| 0              | 3,010              | 756            | 4.0           | 113.4            | 13.4             | 3.1             |
| 5              | 3,380              | 798            | 4.2           | 114.6            | 14.6             | 3.7             |
| 10             | 3,750              | 841            | 4.5           | 115.9            | 15.9             | 4.3             |
| 15             | 4,140              | 885            | 4.7           | 117.2            | 17.2             | 5.1             |
| 20             | 4,540              | 930            | 4.9           | 118.6            | 18.6             | 6.0             |
| 25             | 4,950              | 976            | 5.1           | 120.2            | 20.2             | 7.0             |
| 30             | 5,380              | 1,025          | 5.2           | 121.8            | 21.8             | 8.2             |

Performance 10136

**Performance: 110°F Ambient Air Temperature**

| <u>Evap. Temp</u><br>(°F) | <u>Capacity</u><br>(Btu/hr): | <u>Power</u><br>(Watts): | <u>EER</u><br>(Btu/Wh): | <u>Cond. Temp.</u><br>(°F) | <u>Temp. Diff.</u><br>(°F) | <u>Refr. Pd.</u><br>(Psi) |
|---------------------------|------------------------------|--------------------------|-------------------------|----------------------------|----------------------------|---------------------------|
| -25                       | 991                          | 554                      | 1.8                     | 118.0                      | 8.0                        | 0.6                       |
| -20                       | 1,330                        | 597                      | 2.2                     | 118.8                      | 8.8                        | 1.1                       |
| -15                       | 1,670                        | 641                      | 2.6                     | 119.7                      | 9.7                        | 1.7                       |
| -10                       | 2,000                        | 685                      | 2.9                     | 120.6                      | 10.6                       | 2.2                       |
| -5                        | 2,330                        | 730                      | 3.2                     | 121.6                      | 11.6                       | 2.9                       |
| 0                         | 2,650                        | 775                      | 3.4                     | 122.6                      | 12.6                       | 3.6                       |
| 5                         | 2,990                        | 820                      | 3.6                     | 123.6                      | 13.6                       | 4.3                       |
| 10                        | 3,320                        | 867                      | 3.8                     | 124.8                      | 14.8                       | 5.2                       |
| 15                        | 3,670                        | 914                      | 4.0                     | 126.0                      | 16.0                       | 6.2                       |
| 20                        | 4,020                        | 963                      | 4.2                     | 127.3                      | 17.3                       | 7.3                       |
| 25                        | 4,380                        | 1,013                    | 4.3                     | 128.7                      | 18.7                       | 8.5                       |
| 30                        | 4,750                        | 1,066                    | 4.5                     | 130.3                      | 20.3                       | 10.0                      |

**Performance: 120°F Ambient Air Temperature**

| <u>Evap. Temp</u><br>(°F) | <u>Capacity</u><br>(Btu/hr): | <u>Power</u><br>(Watts): | <u>EER</u><br>(Btu/Wh): | <u>Cond. Temp.</u><br>(°F) | <u>Temp. Diff.</u><br>(°F) | <u>Refr. Pd.</u><br>(Psi) |
|---------------------------|------------------------------|--------------------------|-------------------------|----------------------------|----------------------------|---------------------------|
| -15                       | 1,420                        | 647                      | 2.2                     | 128.7                      | 8.7                        | 8.3                       |
| -10                       | 1,720                        | 695                      | 2.5                     | 129.7                      | 9.7                        | 7.2                       |
| -5                        | 2,000                        | 744                      | 2.7                     | 130.8                      | 10.8                       | 6.3                       |
| 0                         | 2,290                        | 793                      | 2.9                     | 132.0                      | 12.0                       | 5.7                       |
| 5                         | 2,560                        | 843                      | 3.0                     | 133.2                      | 13.2                       | 5.5                       |
| 10                        | 2,840                        | 895                      | 3.2                     | 134.5                      | 14.5                       | 5.7                       |
| 15                        | 3,120                        | 948                      | 3.3                     | 135.9                      | 15.9                       | 6.5                       |
| 20                        | 3,390                        | 1,002                    | 3.4                     | 137.4                      | 17.4                       | 8.0                       |
| 25                        | 3,670                        | 1,059                    | 3.5                     | 139.1                      | 19.1                       | 10.3                      |

**Performance      10136**