

# Hydronic Air Handler ADP for Heating and Cooling



## Standard specifications on all models :

- All units have horizontal and vertical condensate drain pans and filter rack. A secondary condensate pan is recommended for all horizontal applications.
- Air handlers are not compatible with downflow.

## Features of the standard control board :

- Factory installed circulation pump control
- 24 VAC isolation valve control
- Auxiliary contacts for boiler activation
- Freeze protection activates at 40°F
- Thermostat connection terminal
- 60 second delay for fan activation
- 130°F aquastat for fan activation (optional)

## ADP ADVANTAGES

- B-Series air handlers come with a standard 5-year hassle-free limited warranty and feature a 10-year limited warranty. Simply register online at [www.ADPwarranty.com](http://www.ADPwarranty.com).
- ADP cabinets are designed for simple installation and with easy access.
- Easy access control panel and electricity at one connection point
- Installation flexibility, Vertical, horizontal (left or right) configuration



## 1. Serie BC – 3-speed PSC motor, for hydronic heating and cooling

| MODEL                              |          | EFFI-BCRMW4036S001 |         |          |          |          |          |          |          | VOLTAGE  |          | LBS.     |          |
|------------------------------------|----------|--------------------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| CFM Range 1000-1200                |          |                    |         |          |          |          |          |          |          | 240      |          | 120      |          |
| Cabinet Size 44" H x 15" W x 22" D |          |                    |         |          |          |          |          |          |          |          |          |          |          |
| 2 Pipe System / Slant Water Coil   |          |                    |         |          |          |          |          |          |          |          |          |          |          |
| COOLING                            |          |                    | HEATING |          |          |          |          |          |          |          |          |          |          |
| E.W.T.                             | 45°F     |                    | E.W.T.  | 110°F    |          | 120°F    |          | 140°F    |          | 160°F    |          | 180°F    |          |
| GPM                                | 1000 CFM | 1200 CFM           | GPM     | 1000 CFM | 1200 CFM | 1000 CFM | 1200 CFM | 1000 CFM | 1200 CFM | 1000 CFM | 1200 CFM | 1000 CFM | 1200 CFM |
| 2                                  | 21,565   | 22,913             | 2       | 24,090   | 25,999   | 30,210   | 32,605   | 42,522   | 45,892   | 54,890   | 59,237   | 67,274   | 72,592   |
| 4                                  | 29,567   | 31,972             | 4       | 29,831   | 33,381   | 37,390   | 41,852   | 52,585   | 58,889   | 67,846   | 76,009   | 83,137   | 93,164   |
| 6                                  | 34,192   | 37,376             | 6       | 32,011   | 36,345   | 40,100   | 45,544   | 56,342   | 64,025   | 72,641   | 82,579   | 88,965   | 101,167  |
| 8                                  | 37,292   | 41,075             | 8       | 33,138   | 37,911   | 41,496   | 47,486   | 58,266   | 66,710   | 75,084   | 85,997   | 91,923   | 105,313  |
| 10                                 | -        | -                  | 10      | 33,825   | 38,875   | 41,967   | 48,679   | 58,913   | 68,353   | 75,903   | 88,081   | 93,706   | 107,835  |

| MODÈLE   |          |          | EFFI-BCRMW6060S001  |          |          |          |          |          |          |          | VOLTAGE  |          | LBS.     |       |  |
|--|----------|----------|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|--|
| Plage de CFM (CFM Range) 1400-2000   |          |          |                     |          |          |          |          |          |          |          | 240      |          | 240      |       |  |
| Taille du Cabinet 53" H x 22" L x 26" P (Cabinet Size 53" H x 22" W x 26" D)     |          |          |                     |          |          |          |          |          |          |          |          |          |          |       |  |
| Système à 2 tubes / Serpentin hydronique en "A" (2 Pipe System / "A" Water Coil) |          |          |                     |          |          |          |          |          |          |          |          |          |          |       |  |
| REFROIDISSEMENT (COOLING)  |          |          | CHAUFFAGE (HEATING) |          |          |          |          |          |          |          |          |          |          |       |  |
| E.W.T.   |          | 45°F     |                     | E.W.T.   |          | 110°F    |          | 120°F    |          | 140°F    |          | 160°F    |          | 180°F |  |
| GPM  | 1600 CFM | 2000 CFM | GPM                 | 1600 CFM | 2000 CFM | 1600 CFM | 2000 CFM | 1600 CFM | 2000 CFM | 1600 CFM | 2000 CFM | 1600 CFM | 2000 CFM |       |  |
| 2  | 20,425   | 21,447   | 2                   | 23,758   | 24,944   | 40,355   | 31,223   | 56,635   | 59,664   | 72,904   | 76,743   | 89,108   | 93,723   |       |  |
| 4  | 42,053   | 45,616   | 4                   | 45,155   | 50,430   | 56,582   | 63,198   | 79,536   | 88,842   | 102,563  | 114,562  | 125,601  | 140,279  |       |  |
| 6  | 50,502   | 55,549   | 6                   | 50,543   | 58,067   | 63,318   | 72,763   | 88,968   | 102,283  | 114,700  | 131,908  | 140,460  | 161,563  |       |  |
| 8  | 56,509   | 62,754   | 8                   | 53,341   | 62,228   | 66,801   | 77,956   | 93,813   | 109,538  | 120,901  | 141,223  | 148,018  | 172,945  |       |  |
| 10   | -        | -        | 10                  | 55,025   | 64,797   | 68,892   | 81,154   | 96,709   | 113,983  | 124,595  | 146,909  | 152,506  | 179,872  |       |  |

## 2. Serie BV – ECM variable speed motor, for hydronic heating and cooling

### Variable Speed Motor Features and Benefits :

- Maintains selected CFM over a wide range of static conditions
- Standard fan delay function
- LED display for visual indication of air volume
- Constant adjustment of air circulation for better indoor air quality



| MODEL                                |         |          | EFFI-BVRMW4030S001 |         |          |         |          |         |          |         | VOLTAGE  |         | LBS.     |       |  |
|--------------------------------------|---------|----------|--------------------|---------|----------|---------|----------|---------|----------|---------|----------|---------|----------|-------|--|
| CFM Range 600-1200                   |         |          |                    |         |          |         |          |         |          |         | 240      |         | 140      |       |  |
| Cabinet Size 48" H x 18 ½" W x 22" D |         |          |                    |         |          |         |          |         |          |         |          |         |          |       |  |
| 2 Pipe System / Slant Water Coil     |         |          |                    |         |          |         |          |         |          |         |          |         |          |       |  |
| COOLING                              |         |          | HEATING            |         |          |         |          |         |          |         |          |         |          |       |  |
| E.W.T.                               |         | 45°F     |                    | E.W.T.  |          | 110°F   |          | 120°F   |          | 140°F   |          | 160°F   |          | 180°F |  |
| GPM                                  | 800 CFM | 1000 CFM | GPM                | 800 CFM | 1000 CFM | 800 CFM | 1000 CFM | 800 CFM | 1000 CFM | 800 CFM | 1000 CFM | 800 CFM | 1000 CFM |       |  |
| 2                                    | 19,883  | 21,565   | 2                  | 21,620  | 24,090   | 27,109  | 30,210   | 38,148  | 42,522   | 49,239  | 54,890   | 60,348  | 67,274   |       |  |
| 4                                    | 26,674  | 29,567   | 4                  | 25,687  | 29,831   | 32,184  | 37,390   | 45,234  | 52,585   | 58,333  | 67,846   | 71,453  | 83,137   |       |  |
| 6                                    | 30,437  | 34,192   | 6                  | 27,141  | 32,011   | 33,987  | 40,100   | 47,724  | 56,342   | 61,500  | 72,641   | 75,293  | 88,965   |       |  |
| 8                                    | 32,794  | 37,292   | 8                  | 27,877  | 33,138   | 34,897  | 41,496   | 48,973  | 58,266   | 63,082  | 75,084   | 77,205  | 91,923   |       |  |
| 10                                   | -       | -        | 10                 | 28,321  | 33,825   | 35,444  | 41,967   | 49,723  | 58,913   | 64,028  | 75,903   | 78,346  | 93,706   |       |  |

| MODEL                              |          |          | EFFI-BVRMW6060S001 |          |          |          |          |          |          |          | VOLTAGE  |          | LBS.     |       |  |
|------------------------------------|----------|----------|--------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-------|--|
| CFM Range 1600-2000                |          |          |                    |          |          |          |          |          |          |          | 240      |          | 240      |       |  |
| Cabinet Size 53" H x 22" W x 26" D |          |          |                    |          |          |          |          |          |          |          |          |          |          |       |  |
| 2 Pipe System / "A" Water Coil     |          |          |                    |          |          |          |          |          |          |          |          |          |          |       |  |
| COOLING                            |          |          | HEATING            |          |          |          |          |          |          |          |          |          |          |       |  |
| E.W.T.                             |          | 45°F     |                    | E.W.T.   |          | 110°F    |          | 120°F    |          | 140°F    |          | 160°F    |          | 180°F |  |
| GPM                                | 1600 CFM | 2000 CFM | GPM                | 1600 CFM | 2000 CFM | 1600 CFM | 2000 CFM | 1600 CFM | 2000 CFM | 1600 CFM | 2000 CFM | 1600 CFM | 2000 CFM |       |  |
| 2                                  | 20,425   | 21,447   | 2                  | 23,758   | 24,944   | 40,355   | 31,223   | 56,635   | 59,664   | 72,904   | 76,743   | 89,108   | 93,723   |       |  |
| 4                                  | 42,053   | 45,616   | 4                  | 45,155   | 50,430   | 56,582   | 63,198   | 79,536   | 88,842   | 102,563  | 114,562  | 125,601  | 140,279  |       |  |
| 6                                  | 50,502   | 55,549   | 6                  | 50,543   | 58,067   | 63,318   | 72,763   | 88,968   | 102,283  | 114,700  | 131,908  | 140,460  | 161,563  |       |  |
| 8                                  | 56,509   | 62,754   | 8                  | 53,341   | 62,228   | 66,801   | 77,956   | 93,813   | 109,538  | 120,901  | 141,223  | 148,018  | 172,945  |       |  |
| 10                                 | -        | -        | 10                 | 55,025   | 64,797   | 68,892   | 81,154   | 96,709   | 113,983  | 124,595  | 146,909  | 152,506  | 179,872  |       |  |