



## 42CLS-W Series

*Chilled Water Fan Coil Unit  
Ceiling Concealed - Duct Type*

Nominal: 400-2,000 CFM



## 42CLS-W Series

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### ***Furred-in ceiling model 400 - 2000 cfm***

The low silhouette styling of this unit makes it a popular choice for in-the-ceiling or over-the-closet applications in all types of buildings, particularly in apartments, hotels and motels.

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### ***Furred-in ceiling model with plenum 400 - 2000 cfm***

This adaptation of the basic ducted fan-coil unit includes a factory-installed plenum section that helps you cut field fabrication and labor costs. It's quiet too. The plenum section is fully lined with PE-FOAM insulation. Throwaway or cleanable filters are available.

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### ***Ceiling model with cabinet 400 - 2000 cfm***

This enclosed edition of the basic 42CH unit features a cabinet fabricated from tough, 18-gage galvanized steel, with removable access panels that are lined with PE-FOAM insulation. Cabinet can be factory painted on special order.

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# 42CLS-W Series



## The Compact and Practical 42CLS Fan Coil Units

The Carrier **42CLS** horizontal furred-in Fan Coils are quiet, compact and flexible. Nominal air quantity range from 400 cfm to 2000 cfm. These units are engineered for industrial and medium static pressure.

## Features

- Ultra-compact design-saves installation space
- High efficiency heat transfer surface
- Super quiet operation
- Low installation and maintenance cost
- Easy wiring / piping connections
- Installed with direct driven forward curved centrifugal fan and 4-speed high efficient motor
- Minimum power requirement for significant money saving to the owners
- Insulated drain pan
- Requires no expensive ductwork
- Ideal for new construction or renovation

## Model number nomenclature

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | Digit Number  |
|---|---|---|---|---|---|---|---|---|----|----|----|---------------|
| 4 | 2 | C | L | S | 0 | 0 | 4 | W | 2  | R  | O  | Standard Unit |

|                                                                                                                                                                                                                                                             |                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>42CLS - "Carrier" Fan Coil Unit Model</b><br><br><b>Size/Nominal Air Flow</b><br>004 = 400 CFM      014 = 1,400 CFM<br>006 = 600 CFM      016 = 1,600 CFM<br>008 = 800 CFM      018 = 1,800 CFM<br>010 = 1,000 CFM    020 = 2,000 CFM<br>012 = 1,200 CFM | <b>Casing Options</b><br>O = Without Return Plenum ( <i>Standard</i> )<br>P = With Return Plenum and Filter ( <i>option</i> )<br>E = With Cabinet ( <i>option</i> ) |
| <b>Coil Type</b><br>W - Chilled Water Coil<br>X - DX Coil                                                                                                                                                                                                   | <b>Coil Connecting</b><br>R = Right Hand<br>L = Left Hand                                                                                                           |
|                                                                                                                                                                                                                                                             | <b>Coil Row</b><br>2 = 2 Rows<br>3 = 3 Rows<br>4 = 4 Rows                                                                                                           |

## Physical data

| Description  |                      |             | Fan Coil Unit                    |        |        |        |        |        |        |        |
|--------------|----------------------|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Model        |                      |             | 42CLS-W                          |        |        |        |        |        |        |        |
|              |                      |             | 004W2                            | 004W3  | 006W2  | 006W3  | 008W3  | 008W4  | 010W3  | 010W4  |
| Capacity     | Nominal Capacity*    | Btu/hr.     | 13,000                           | 16,230 | 20,120 | 22,970 | 28,810 | 32,790 | 32,720 | 39,420 |
|              | Nominal Air Flow     | CFM.        | 400                              |        | 600    |        | 800    |        | 1000   |        |
| Connections  | Water Inlet & outlet | inch        | 1/2                              |        |        |        |        |        |        |        |
|              | Drain                | inch        | 3/4                              |        |        |        |        |        |        |        |
| Fan Motor    | Type                 |             | Permanent Split Capacity 4 Speed |        |        |        |        |        |        |        |
|              | Power Support        | V/Ph/Hz     | 220/1/50                         |        |        |        |        |        |        |        |
|              | Current (RLA.)       | Amp.        | 0.51                             |        | 0.77   |        | 0.81   |        | 1.21   |        |
|              | Power input          | Watt        | 112                              |        | 169    |        | 178    |        | 226    |        |
|              | No. of Motor         |             | 1                                |        |        |        |        |        |        |        |
| Blower Wheel | Type                 |             | Centrifugal Forward Curve Blade  |        |        |        |        |        |        |        |
|              | Diameter x Width     | Inch x Inch | 6 x 7                            |        | 6 x 7  |        | 6 x 8  |        | 6 x 8  |        |
|              | No. of Blower        |             | 2                                |        |        |        |        |        |        |        |

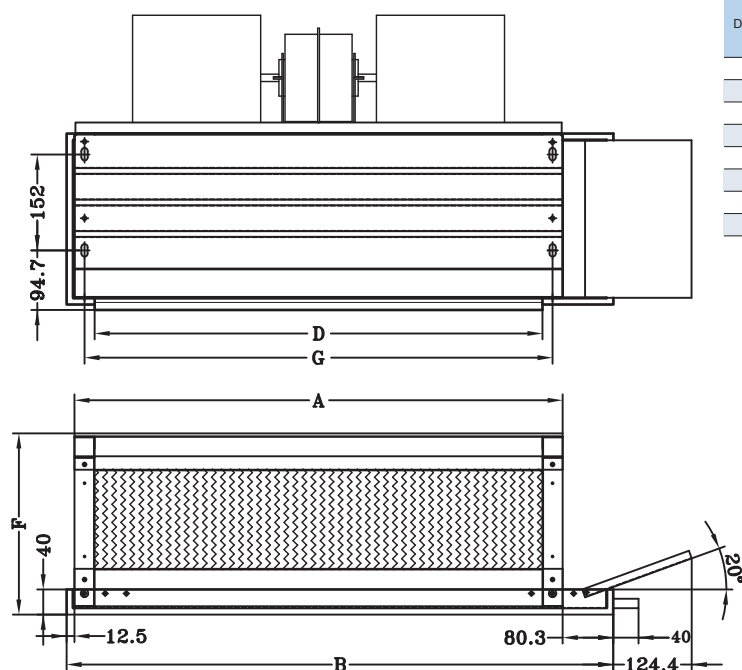
| Description  |                      |             | Fan Coil Unit                    |        |        |        |        |        |        |        |
|--------------|----------------------|-------------|----------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Model        |                      |             | 42CLS-W                          |        |        |        |        |        |        |        |
|              |                      |             | 012W3                            | 012W4  | 014W3  | 014W4  | 016W3  | 016W4  | 020W3  | 020W4  |
| Capacity     | Nominal Capacity*    | Btu/hr.     | 39,560                           | 48,050 | 45,390 | 53,430 | 51,830 | 58,440 | 63,990 | 75,770 |
|              | Nominal Air Flow     | CFM.        | 1200                             |        | 1400   |        | 1600   |        | 2000   |        |
| Connections  | Water Inlet & outlet | inch        | 1/2                              |        | 3/4    |        |        |        |        |        |
|              | Drain                | inch        | 3/4                              |        |        |        |        |        |        |        |
| Fan Motor    | Type                 |             | Permanent Split Capacity 4 Speed |        |        |        |        |        |        |        |
|              | Power Support        | V/Ph/Hz     | 220/1/50                         |        |        |        |        |        |        |        |
|              | Current (RLA.)       | Amp.        | 1.61                             |        | 1.7    |        | 2.35   |        | 2.33   |        |
|              | Power input          | Watt        | 353                              |        | 375    |        | 513    |        | 489    |        |
|              | No. of Motor         |             | 1                                |        |        |        |        |        |        |        |
| Blower Wheel | Type                 |             | Centrifugal Forward Curve Blade  |        |        |        |        |        |        |        |
|              | Diameterx Width      | Inch x Inch | 6 x 9                            |        | 7 X 8  |        | 8 x 9  |        | 8 x 9  |        |
|              | No. of Blower        |             | 2                                |        |        |        |        |        |        |        |

**Note:** - All data for standard product.

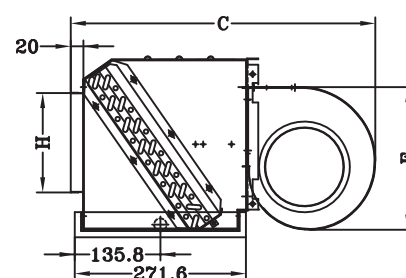
\* Norminal Capacity based on : EAT 80 Fdb/67 Fwb, CHWT 44/54 F

## Unit dimensions

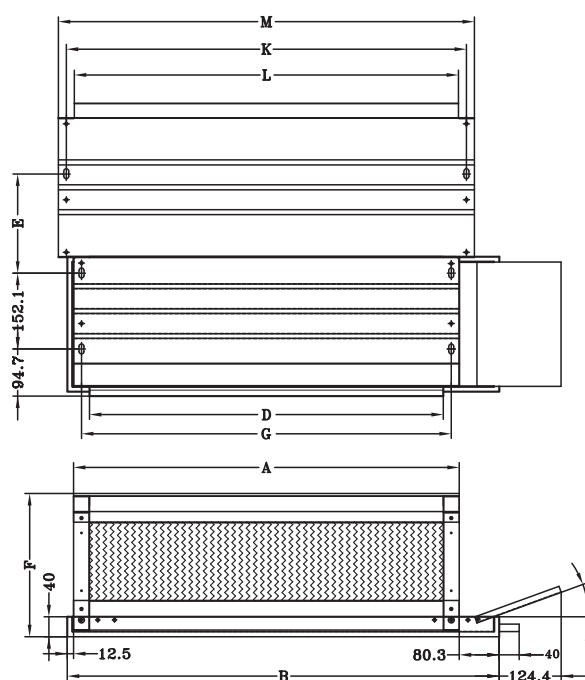
### Model : 42CLS004W-020W WITHOUT PLENUM (STANDARD)



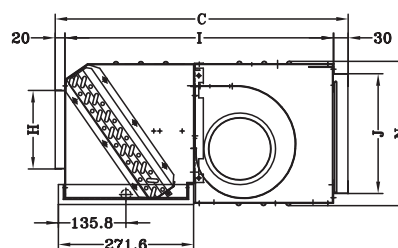
| DIM. | SIZE             |                  |                  |                  |                  |                  |                  |                  |      |      |      |  |
|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------|------|------|--|
|      | 004-2R<br>004-3R | 006-2R<br>006-3R | 008-3R<br>008-4R | 010-3R<br>010-4R | 012-3R<br>012-4R | 014-3R<br>014-4R | 016-3R<br>016-4R | 020-3R<br>020-4R |      |      |      |  |
| A    | 775              | 775              | 775              | 826              | 902              | 978              | 1054             | 978              | 1054 | 1054 | 1181 |  |
| B    | 895              | 867              | 867              | 918              | 994              | 1070             | 1146             | 1070             | 1146 | 1146 | 1273 |  |
| C    | 505              | 475              | 483              | 501              | 501              | 501              | 500              | 500              | 500  | 500  | 500  |  |
| D    | 711              | 711              | 711              | 762              | 838              | 914              | 990              | 914              | 990  | 990  | 1117 |  |
| E    | 207              | 207              | 226              | 240              | 240              | 240              | 240              | 265              | 265  | 265  | 265  |  |
| F    | 240              | 285              | 285              | 285              | 285              | 285              | 285              | 333              | 333  | 333  | 333  |  |
| G    | 743              | 743              | 743              | 794              | 870              | 946              | 1022             | 946              | 1022 | 1022 | 1149 |  |
| H    | 140              | 160              | 160              | 160              | 160              | 160              | 160              | 205              | 205  | 205  | 205  |  |



### Model : 42CLS004W-020W WITH PLENUM (OPTION)

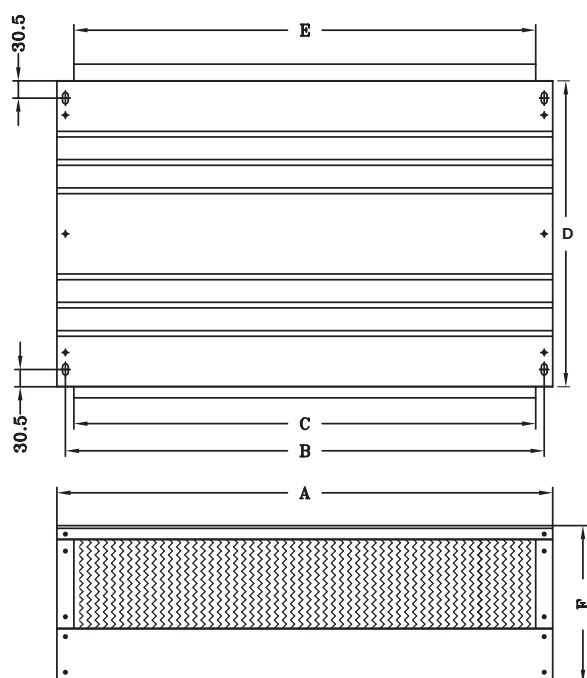


| DIM. | SIZE             |                  |                  |                  |                  |                  |                  |                  |      |      |      |  |
|------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------|------|------|--|
|      | 004-2R<br>004-3R | 006-2R<br>006-3R | 008-3R<br>008-4R | 010-3R<br>010-4R | 012-3R<br>012-4R | 014-3R<br>014-4R | 016-3R<br>016-4R | 020-3R<br>020-4R |      |      |      |  |
| A    | 775              | 775              | 775              | 826              | 902              | 978              | 1054             | 978              | 1054 | 1054 | 1181 |  |
| B    | 895              | 867              | 867              | 918              | 994              | 1070             | 1146             | 1070             | 1146 | 1146 | 1273 |  |
| C    | 570              | 588              | 588              | 588              | 588              | 588              | 637              | 637              | 637  | 637  | 637  |  |
| D    | 711              | 711              | 711              | 762              | 838              | 914              | 990              | 914              | 990  | 990  | 1117 |  |
| E    | 173              | 200              | 200              | 200              | 200              | 200              | 223              | 223              | 223  | 223  | 223  |  |
| F    | 240              | 285              | 285              | 285              | 285              | 285              | 285              | 333              | 333  | 333  | 333  |  |
| G    | 743              | 743              | 743              | 794              | 870              | 946              | 1022             | 946              | 1022 | 1022 | 1149 |  |
| H    | 140              | 160              | 160              | 160              | 160              | 160              | 160              | 205              | 205  | 205  | 205  |  |
| I    | 520              | 540              | 540              | 540              | 540              | 540              | 589              | 589              | 589  | 589  | 589  |  |
| J    | 195              | 240              | 240              | 240              | 240              | 240              | 290              | 290              | 290  | 290  | 290  |  |
| K    | 804              | 804              | 804              | 855              | 931              | 1007             | 1083             | 1007             | 1083 | 1083 | 1210 |  |
| L    | 772              | 772              | 772              | 824              | 900              | 975              | 1051             | 975              | 1051 | 1051 | 1178 |  |
| M    | 836              | 836              | 836              | 887              | 963              | 1039             | 1115             | 1039             | 1115 | 1115 | 1242 |  |
| N    | 242              | 290              | 290              | 290              | 290              | 290              | 338              | 338              | 338  | 338  | 338  |  |



## Unit dimensions

### Model : 42CLS004W-020W WITH CABINET (OPTION)



| DIM. | SIZE             |                  |                  |        |        |        |        |        |        |                  |                  |
|------|------------------|------------------|------------------|--------|--------|--------|--------|--------|--------|------------------|------------------|
|      | 004-2R<br>004-3R | 006-2R<br>006-3R | 008-3R<br>008-4R | 010-3R | 010-4R | 012-3R | 012-4R | 014-3R | 014-4R | 016-3R<br>016-4R | 020-3R<br>020-4R |
| A    | 875              | 875              | 875              | 926    | 1002   | 1078   | 1154   | 1078   | 1154   | 1154             | 1281             |
| B    | 845              | 845              | 845              | 896    | 972    | 1048   | 1124   | 1048   | 1124   | 1124             | 1251             |
| C    | 815              | 815              | 815              | 866    | 942    | 1018   | 1094   | 1018   | 1094   | 1094             | 1221             |
| D    | 460              | 479              | 479              | 479    | 479    | 479    | 479    | 529    | 529    | 529              | 529              |
| E    | 815              | 815              | 815              | 866    | 942    | 1018   | 1094   | 1018   | 1094   | 1094             | 1221             |
| F    | 232              | 280              | 280              | 280    | 280    | 280    | 280    | 323    | 323    | 323              | 323              |
| G    | 555              | 589              | 589              | 589    | 589    | 589    | 589    | 639    | 639    | 639              | 639              |
| H    | 140              | 160              | 160              | 160    | 160    | 160    | 160    | 205    | 205    | 205              | 205              |
| I    | 523              | 540              | 540              | 540    | 540    | 540    | 540    | 590    | 590    | 590              | 590              |
| J    | 185              | 230              | 230              | 230    | 230    | 230    | 230    | 275    | 275    | 275              | 275              |

## Weight

| Model |       | Weight (kg)                                |                              |                               |
|-------|-------|--------------------------------------------|------------------------------|-------------------------------|
|       |       | Standard Fan Coil Unit<br>(without plenum) | Fan Coil Unit<br>with plenum | Fan Coil Unit<br>with cabinet |
| 42CLS | 004W2 | 18                                         | 22                           | 24                            |
|       | 004W3 | 19                                         | 23                           | 25                            |
|       | 006W2 | 21                                         | 25                           | 27                            |
|       | 006W3 | 23                                         | 27                           | 29                            |
|       | 008W3 | 24                                         | 28                           | 30                            |
|       | 008W4 | 25                                         | 30                           | 32                            |
|       | 010W3 | 27                                         | 31                           | 34                            |
|       | 010W4 | 29                                         | 34                           | 37                            |
|       | 012W3 | 30                                         | 36                           | 39                            |
|       | 012W4 | 33                                         | 39                           | 42                            |
|       | 014W3 | 34                                         | 40                           | 44                            |
|       | 014W4 | 37                                         | 43                           | 47                            |
|       | 016W3 | 37                                         | 44                           | 48                            |
|       | 016W4 | 40                                         | 47                           | 51                            |
|       | 020W3 | 41                                         | 49                           | 54                            |
|       | 020W4 | 46                                         | 54                           | 58                            |

## Performance data 42CLS-W Model

| MODEL      | Entering<br>Chilled<br>Water<br>Temp.<br><br>F | Entering Air Temp ( Fdb / Fwb ) |                                   |                                         |                                         |                                |                                   |                                         |                                         |                                |                                   |                                         |                                         |                                |                                   |                                         |                                         |
|------------|------------------------------------------------|---------------------------------|-----------------------------------|-----------------------------------------|-----------------------------------------|--------------------------------|-----------------------------------|-----------------------------------------|-----------------------------------------|--------------------------------|-----------------------------------|-----------------------------------------|-----------------------------------------|--------------------------------|-----------------------------------|-----------------------------------------|-----------------------------------------|
|            |                                                | 76 / 63                         |                                   |                                         |                                         | 78 / 65                        |                                   |                                         |                                         | 80 / 67                        |                                   |                                         |                                         | 82 / 69                        |                                   |                                         |                                         |
|            |                                                | Total<br>Capacity<br><br>btu/h  | Sensible<br>Capacity<br><br>btu/h | Chilled<br>Water<br>Flowrate<br><br>gpm | Water<br>Pressure<br>Drop<br><br>ft.wg. | Total<br>Capacity<br><br>btu/h | Sensible<br>Capacity<br><br>btu/h | Chilled<br>Water<br>Flowrate<br><br>gpm | Water<br>Pressure<br>Drop<br><br>ft.wg. | Total<br>Capacity<br><br>btu/h | Sensible<br>Capacity<br><br>btu/h | Chilled<br>Water<br>Flowrate<br><br>gpm | Water<br>Pressure<br>Drop<br><br>ft.wg. | Total<br>Capacity<br><br>btu/h | Sensible<br>Capacity<br><br>btu/h | Chilled<br>Water<br>Flowrate<br><br>gpm | Water<br>Pressure<br>Drop<br><br>ft.wg. |
| 42CLS004W2 | 40                                             | 12,200                          | 9,700                             | 2.44                                    | 7.6                                     | 14,100                         | 10,300                            | 2.82                                    | 9.6                                     | 16,200                         | 11,000                            | 3.24                                    | 12.3                                    | 18,400                         | 11,600                            | 3.67                                    | 15.3                                    |
|            | 45                                             | 9,400                           | 8,300                             | 1.87                                    | 4.7                                     | 10,700                         | 8,800                             | 2.14                                    | 6.0                                     | 12,300                         | 9,300                             | 2.46                                    | 7.7                                     | 14,500                         | 10,000                            | 2.89                                    | 10.0                                    |
|            | 50                                             | 6,900                           | 6,900                             | 1.38                                    | 2.8                                     | 7,800                          | 7,400                             | 1.56                                    | 3.5                                     | 9,200                          | 8,000                             | 1.84                                    | 4.6                                     | 10,700                         | 8,500                             | 2.13                                    | 5.9                                     |
| 42CLS004W3 | 40                                             | 15,500                          | 11,400                            | 3.08                                    | 8.4                                     | 17,700                         | 12,200                            | 3.53                                    | 10.7                                    | 20,200                         | 13,000                            | 4.02                                    | 13.3                                    | 22,700                         | 13,800                            | 4.52                                    | 16.5                                    |
|            | 45                                             | 11,700                          | 9,700                             | 2.33                                    | 5.3                                     | 13,600                         | 10,400                            | 2.72                                    | 6.8                                     | 15,800                         | 11,000                            | 3.14                                    | 8.7                                     | 18,300                         | 11,800                            | 3.64                                    | 11.3                                    |
|            | 50                                             | 8,400                           | 8,100                             | 1.68                                    | 3.0                                     | 9,800                          | 8,700                             | 1.96                                    | 3.8                                     | 11,600                         | 9,300                             | 2.32                                    | 5.2                                     | 13,700                         | 10,000                            | 2.74                                    | 6.9                                     |
| 42CLS006W2 | 40                                             | 19,000                          | 14,800                            | 3.78                                    | 11.1                                    | 21,800                         | 15,800                            | 4.35                                    | 14.3                                    | 25,000                         | 16,800                            | 4.99                                    | 18.0                                    | 28,400                         | 17,800                            | 5.65                                    | 22.5                                    |
|            | 45                                             | 14,400                          | 12,700                            | 2.88                                    | 6.9                                     | 16,600                         | 13,500                            | 3.31                                    | 8.8                                     | 19,200                         | 14,300                            | 3.83                                    | 11.4                                    | 22,400                         | 15,300                            | 4.47                                    | 14.9                                    |
|            | 50                                             | 10,600                          | 10,500                            | 2.11                                    | 4.1                                     | 12,100                         | 11,400                            | 2.42                                    | 5.2                                     | 14,200                         | 12,200                            | 2.84                                    | 6.8                                     | 16,500                         | 13,000                            | 3.30                                    | 8.8                                     |
| 42CLS006W3 | 40                                             | 21,900                          | 16,500                            | 4.36                                    | 7.0                                     | 25,000                         | 17,500                            | 4.98                                    | 8.8                                     | 28,500                         | 18,600                            | 5.67                                    | 11.1                                    | 32,100                         | 19,700                            | 6.40                                    | 13.8                                    |
|            | 45                                             | 16,500                          | 14,000                            | 3.29                                    | 4.3                                     | 19,200                         | 15,000                            | 3.84                                    | 5.6                                     | 22,200                         | 15,900                            | 4.43                                    | 7.3                                     | 25,600                         | 17,000                            | 5.11                                    | 9.3                                     |
|            | 50                                             | 12,000                          | 11,700                            | 2.39                                    | 2.4                                     | 13,900                         | 12,600                            | 2.78                                    | 3.2                                     | 16,300                         | 13,500                            | 3.26                                    | 4.3                                     | 19,200                         | 14,400                            | 3.84                                    | 5.6                                     |
| 42CLS008W3 | 40                                             | 26,900                          | 21,100                            | 5.36                                    | 6.3                                     | 30,900                         | 22,400                            | 6.15                                    | 8.0                                     | 35,300                         | 23,800                            | 7.03                                    | 10.1                                    | 40,100                         | 25,200                            | 7.99                                    | 12.7                                    |
|            | 45                                             | 20,100                          | 17,900                            | 4.01                                    | 3.8                                     | 23,300                         | 19,100                            | 4.66                                    | 5.0                                     | 27,200                         | 20,300                            | 5.43                                    | 6.5                                     | 31,600                         | 21,700                            | 6.30                                    | 8.4                                     |
|            | 50                                             | 14,800                          | 14,700                            | 2.95                                    | 2.1                                     | 16,900                         | 16,000                            | 3.38                                    | 2.8                                     | 19,800                         | 17,200                            | 3.96                                    | 3.7                                     | 23,300                         | 18,400                            | 4.65                                    | 5.0                                     |
| 42CLS008W4 | 40                                             | 30,600                          | 22,800                            | 6.09                                    | 7.6                                     | 34,900                         | 24,200                            | 6.94                                    | 9.6                                     | 39,600                         | 25,700                            | 7.88                                    | 12.0                                    | 44,600                         | 27,200                            | 8.88                                    | 14.7                                    |
|            | 45                                             | 23,100                          | 19,400                            | 4.61                                    | 4.7                                     | 26,900                         | 20,600                            | 5.36                                    | 6.1                                     | 31,100                         | 22,000                            | 6.20                                    | 7.9                                     | 35,800                         | 23,400                            | 7.14                                    | 10.0                                    |
|            | 50                                             | 16,700                          | 16,200                            | 3.34                                    | 2.6                                     | 19,500                         | 17,400                            | 3.90                                    | 3.5                                     | 22,900                         | 18,600                            | 4.58                                    | 4.6                                     | 26,900                         | 19,800                            | 5.38                                    | 6.1                                     |
| 42CLS010W3 | 40                                             | 30,800                          | 24,400                            | 6.13                                    | 6.0                                     | 35,200                         | 25,800                            | 7.01                                    | 7.6                                     | 40,300                         | 27,400                            | 8.03                                    | 9.6                                     | 45,800                         | 29,100                            | 9.13                                    | 12.1                                    |
|            | 45                                             | 23,100                          | 20,700                            | 4.61                                    | 3.7                                     | 26,700                         | 22,100                            | 5.34                                    | 4.7                                     | 31,100                         | 23,500                            | 6.21                                    | 6.1                                     | 36,000                         | 25,000                            | 7.17                                    | 7.9                                     |
|            | 50                                             | 17,000                          | 17,000                            | 3.40                                    | 2.1                                     | 19,500                         | 18,500                            | 3.89                                    | 2.7                                     | 22,800                         | 20,000                            | 4.55                                    | 3.6                                     | 26,700                         | 21,300                            | 5.32                                    | 4.7                                     |
| 42CLS010W4 | 40                                             | 37,200                          | 27,900                            | 7.40                                    | 6.7                                     | 42,300                         | 29,600                            | 8.42                                    | 8.3                                     | 48,100                         | 31,500                            | 9.58                                    | 10.5                                    | 54,300                         | 33,300                            | 10.81                                   | 12.9                                    |
|            | 45                                             | 28,000                          | 23,700                            | 5.59                                    | 4.1                                     | 32,500                         | 25,300                            | 6.48                                    | 5.3                                     | 37,700                         | 27,000                            | 7.53                                    | 6.9                                     | 43,300                         | 28,600                            | 8.64                                    | 8.7                                     |
|            | 50                                             | 20,300                          | 19,900                            | 4.06                                    | 2.2                                     | 23,600                         | 21,400                            | 4.71                                    | 3.0                                     | 27,800                         | 22,800                            | 5.55                                    | 4.0                                     | 32,500                         | 24,300                            | 6.50                                    | 5.3                                     |
| 42CLS012W3 | 40                                             | 37,200                          | 29,400                            | 7.41                                    | 7.1                                     | 42,800                         | 31,200                            | 8.53                                    | 9.1                                     | 48,800                         | 33,100                            | 9.72                                    | 11.5                                    | 55,500                         | 35,100                            | 11.05                                   | 14.3                                    |
|            | 45                                             | 28,000                          | 25,000                            | 5.59                                    | 4.4                                     | 32,500                         | 26,700                            | 6.48                                    | 5.6                                     | 37,600                         | 28,400                            | 7.51                                    | 7.3                                     | 43,700                         | 30,200                            | 8.71                                    | 9.5                                     |
|            | 50                                             | 20,600                          | 20,600                            | 4.12                                    | 2.5                                     | 23,700                         | 22,400                            | 4.74                                    | 3.3                                     | 27,600                         | 24,000                            | 5.52                                    | 4.3                                     | 32,300                         | 25,700                            | 6.46                                    | 5.6                                     |
| 42CLS012W4 | 40                                             | 44,800                          | 33,600                            | 8.93                                    | 4.3                                     | 51,000                         | 35,700                            | 10.17                                   | 5.4                                     | 58,400                         | 38,000                            | 11.62                                   | 6.9                                     | 65,900                         | 40,300                            | 13.13                                   | 8.5                                     |
|            | 45                                             | 33,400                          | 28,400                            | 6.66                                    | 2.6                                     | 39,200                         | 30,400                            | 7.81                                    | 3.4                                     | 45,600                         | 32,500                            | 9.10                                    | 4.5                                     | 52,500                         | 34,600                            | 10.48                                   | 5.7                                     |
|            | 50                                             | 24,000                          | 23,600                            | 4.80                                    | 1.3                                     | 27,900                         | 25,400                            | 5.57                                    | 1.8                                     | 33,200                         | 27,300                            | 6.63                                    | 2.6                                     | 39,400                         | 29,300                            | 7.87                                    | 3.5                                     |
| 42CLS014W3 | 40                                             | 42,800                          | 34,000                            | 8.52                                    | 6.0                                     | 49,100                         | 36,000                            | 9.78                                    | 7.7                                     | 56,200                         | 38,300                            | 11.19                                   | 9.7                                     | 63,800                         | 40,500                            | 12.71                                   | 12.2                                    |
|            | 45                                             | 32,100                          | 28,900                            | 6.41                                    | 3.7                                     | 37,300                         | 30,800                            | 7.45                                    | 4.8                                     | 43,200                         | 32,800                            | 8.61                                    | 6.2                                     | 50,200                         | 34,900                            | 10.02                                   | 8.0                                     |
|            | 50                                             | 23,700                          | 23,700                            | 4.74                                    | 2.1                                     | 27,300                         | 25,900                            | 5.45                                    | 2.8                                     | 31,600                         | 27,800                            | 6.31                                    | 3.6                                     | 37,200                         | 29,700                            | 7.43                                    | 4.8                                     |
| 42CLS014W4 | 40                                             | 49,900                          | 38,000                            | 9.94                                    | 5.2                                     | 56,800                         | 40,200                            | 11.31                                   | 6.6                                     | 65,000                         | 42,800                            | 12.95                                   | 8.3                                     | 73,600                         | 45,400                            | 14.66                                   | 10.3                                    |
|            | 45                                             | 37,400                          | 32,200                            | 7.46                                    | 3.2                                     | 43,500                         | 34,300                            | 8.68                                    | 4.1                                     | 50,700                         | 36,700                            | 10.11                                   | 5.4                                     | 58,300                         | 39,000                            | 11.64                                   | 6.9                                     |
|            | 50                                             | 27,000                          | 26,800                            | 5.39                                    | 1.7                                     | 31,200                         | 28,800                            | 6.23                                    | 2.3                                     | 37,100                         | 31,000                            | 7.40                                    | 3.1                                     | 43,600                         | 33,100                            | 8.72                                    | 4.2                                     |
| 42CLS016W3 | 40                                             | 48,700                          | 38,600                            | 9.69                                    | 8.1                                     | 56,000                         | 41,000                            | 11.15                                   | 10.4                                    | 64,000                         | 43,500                            | 12.74                                   | 13.1                                    | 72,600                         | 46,100                            | 14.45                                   | 16.4                                    |
|            | 45                                             | 36,700                          | 32,900                            | 7.32                                    | 5.0                                     | 42,600                         | 35,100                            | 8.50                                    | 6.5                                     | 49,100                         | 37,200                            | 9.80                                    | 8.3                                     | 57,200                         | 39,700                            | 11.42                                   | 10.8                                    |
|            | 50                                             | 27,200                          | 27,200                            | 5.44                                    | 2.9                                     | 31,200                         | 29,500                            | 6.22                                    | 3.8                                     | 36,100                         | 31,600                            | 7.20                                    | 4.9                                     | 42,400                         | 33,800                            | 8.47                                    | 6.4                                     |
| 42CLS016W4 | 40                                             | 54,700                          | 42,100                            | 10.89                                   | 6.1                                     | 62,300                         | 44,600                            | 12.41                                   | 7.7                                     | 71,400                         | 47,500                            | 14.22                                   | 9.8                                     | 80,900                         | 50,300                            | 16.11                                   | 12.1                                    |
|            | 45                                             | 41,100                          | 35,800                            | 8.20                                    | 3.7                                     | 47,600                         | 38,100                            | 9.49                                    | 4.8                                     | 55,400                         | 40,700                            | 11.06                                   | 6.3                                     | 63,900                         | 43,200                            | 12.75                                   | 8.1                                     |
|            | 50                                             | 29,700                          | 29,700                            | 5.94                                    | 2.0                                     | 34,500                         | 32,200                            | 6.90                                    | 2.8                                     | 40,600                         | 34,400                            | 8.10                                    | 3.7                                     | 47,600                         | 36,700                            | 9.50                                    | 4.8                                     |
| 42CLS020W3 | 40                                             | 60,100                          | 47,700                            | 11.97                                   | 10.5                                    | 68,800                         | 50,500                            | 13.71                                   | 13.4                                    | 79,000                         | 53,600                            | 15.73                                   | 17.0                                    | 89,500                         | 56,800                            | 17.83                                   | 21.2                                    |
|            | 45                                             | 45,200                          | 40,700                            | 9.02                                    | 6.4                                     | 52,500                         | 43,300                            | 10.48                                   | 8.3                                     | 60,700                         | 46,100                            | 12.11                                   | 10.8                                    | 70,400                         | 48,900                            | 14.05                                   | 14.0                                    |
|            | 50                                             | 33,800                          | 33,800                            | 6.74                                    | 3.9                                     | 38,500                         | 36,500                            | 7.69                                    | 4.9                                     | 44,500                         | 39,100                            | 8.89                                    | 6.3                                     | 52,300                         | 41,700                            | 10.45                                   | 8.3                                     |
| 42CLS020W4 | 40                                             | 70,800                          | 53,900                            | 14.11                                   | 8.5                                     | 80,800                         | 57,100                            | 16.08                                   | 10.7                                    | 92,300                         | 60,800                            | 18.39                                   | 13.5                                    | 104,300                        | 64,400                            | 20.77                                   | 16.8                                    |
|            | 45                                             | 53,300                          | 45,800                            | 10.64                                   | 5.2                                     | 61,900                         | 48,800                            | 12.34                                   | 6.7                                     | 71,900                         | 52,000                            | 14.34                                   | 8.8                                     | 82,900                         | 55,400                            | 16.54                                   | 11.2                                    |
|            | 50                                             | 38,800                          | 38,200                            | 7.76                                    | 3.0                                     | 44,800                         | 41,100                            | 8.95                                    | 3.8                                     | 52,700                         | 44,000                            | 10.52                                   | 5.1                                     | 62,000                         | 47,000                            | 12.39                                   | 6.8                                     |

Remark : Shown cooling capacity based on max air flow rate, Chilled water temp rise 10 F.



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