

## Slim Line Ducted Fan Coil Without Plenum

### INSTALLATION EASE

- 24 volt transformer and relay factory installed
- High and low voltage terminal strips
- Refrigerant expansion device factory installed

### SERVICE

- Factory supplied washable aluminum mesh filter
- Controls conveniently mounted in exterior panel

### COMFORT

- Three speed blower motors
- Low sound levels

### QUALITY

- Designed in accordance with EIN standards
- High density closed cell foam insulation



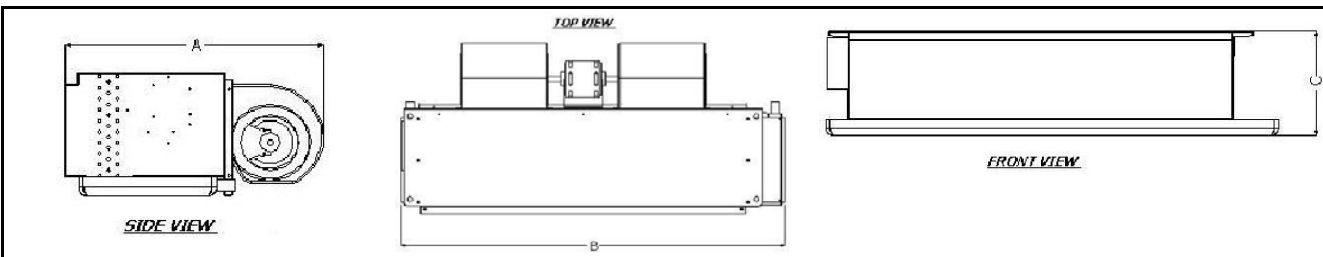
Illustrations and photographs are only representative.  
Some product models may vary.

| ICP MODEL NUMBER | TONS  | Nominal Cooling BTU/h | CFM RANGE | DIMENSIONS H x L x D (mm) | WEIGHT (kg) |
|------------------|-------|-----------------------|-----------|---------------------------|-------------|
| FSHN2W1800A      | 1 1/2 | 18000                 | 600       | 233 x 723 x 540           | 18          |
| FSHN2W2400A      | 2     | 24000                 | 800       | 233 x 888 x 540           | 20          |
| FSHN2W3000A      | 2 1/2 | 30000                 | 1000      | 233 x 1142 x 540          | 23          |
| FSHN2W3600A      | 3     | 36000                 | 1200      | 287 x 1142 x 555          | 25          |
| FSHN2W4200A      | 3 1/2 | 42000                 | 1400      | 337 x 1142 x 600          | 29          |
| FSHN2W4800A      | 4     | 48000                 | 1600      | 386 x 1142 x 632          | 38          |
| FSHN2W6000A      | 5     | 60000                 | 2000      | 386 x 1396 x 666          | 45          |

| AIRFLOW DATA at 220V-1-60hz   |           |                          |      |      |      |      |      |
|-------------------------------|-----------|--------------------------|------|------|------|------|------|
| CFM vs STATIC PRESSURE (INCH) |           |                          |      |      |      |      |      |
| Model                         | Fan Speed | Static Pressure (inches) |      |      |      |      |      |
|                               |           | 0.1                      | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  |
| FSHN2W1200A                   | High      | 415                      | 378  | 218  | -    | -    | -    |
|                               | Medium    | 316                      | 211  | -    | -    | -    | -    |
|                               | Low       | 198                      | 170  | -    | -    | -    | -    |
| FSHN2W1800A                   | High      | 678                      | 606  | 535  | 428  | 324  | 115  |
|                               | Medium    | 546                      | 484  | 422  | 338  | 179  | -    |
|                               | Low       | 401                      | 367  | 387  | 210  | -    | -    |
| FSHN2W2400A                   | High      | 704                      | 627  | 565  | 436  | 300  | -    |
|                               | Medium    | 567                      | 513  | 428  | 317  | 158  | -    |
|                               | Low       | 413                      | 375  | 290  | 227  | -    | -    |
| FSHN2W3000A                   | High      | 1138                     | 1084 | 1008 | 927  | 798  | 683  |
|                               | Medium    | 963                      | 897  | 838  | 748  | 651  | 519  |
|                               | Low       | 826                      | 748  | 680  | 596  | 491  | 377  |
| FSHN2W3600A                   | High      | 1262                     | 1220 | 1178 | 1132 | 1070 | 1005 |
|                               | Medium    | 1137                     | 1112 | 1066 | 1049 | 986  | 929  |
|                               | Low       | 973                      | 942  | 909  | 870  | 826  | 781  |
| FSHN2W4800A                   | High      | 1823                     | 1781 | 1724 | 1703 | 1602 | 1545 |
|                               | Medium    | 1660                     | 1610 | 1549 | 1497 | 1450 | 1374 |
|                               | Low       | 1423                     | 1359 | 1317 | 1265 | 1176 | 1103 |
| FSHN2W6000A                   | High      | 2321                     | 2296 | 2229 | 2150 | 2079 | 1995 |
|                               | Medium    | 1602                     | 1570 | 1510 | 1446 | 1381 | 1304 |
|                               | Low       | 1379                     | 1324 | 1274 | 1217 | 1147 | 1082 |

| AIRFLOW DATA at 220V-1-50hz   |           |                          |      |      |      |      |      |
|-------------------------------|-----------|--------------------------|------|------|------|------|------|
| CFM vs STATIC PRESSURE (INCH) |           |                          |      |      |      |      |      |
| Model                         | Fan Speed | Static Pressure (inches) |      |      |      |      |      |
|                               |           | 0.1                      | 0.2  | 0.3  | 0.4  | 0.5  | 0.6  |
| FSHN2W1200A                   | High      | 408                      | 375  | 208  | -    | -    | -    |
|                               | Medium    | 304                      | 208  | -    | -    | -    | -    |
|                               | Low       | 187                      | 155  | -    | -    | -    | -    |
| FSHN2W1800A                   | High      | 593                      | 525  | 373  | 251  | -    | -    |
|                               | Medium    | 534                      | 446  | 339  | 150  | -    | -    |
|                               | Low       | 414                      | 357  | 247  | -    | -    | -    |
| FSHN2W2400A                   | High      | 657                      | 579  | 420  | 245  | -    | -    |
|                               | Medium    | 580                      | 489  | 364  | 185  | -    | -    |
|                               | Low       | 443                      | 390  | 245  | 103  | -    | -    |
| FSHN2W3000A                   | High      | 1071                     | 981  | 853  | 676  | 482  | 269  |
|                               | Medium    | 972                      | 893  | 745  | 625  | 450  | 239  |
|                               | Low       | 883                      | 788  | 698  | 558  | 372  | 211  |
| FSHN2W3600A                   | High      | 1241                     | 1165 | 1098 | 993  | 942  | 881  |
|                               | Medium    | 1131                     | 1095 | 1024 | 976  | 890  | 896  |
|                               | Low       | 955                      | 924  | 879  | 814  | 759  | 770  |
| FSHN2W4800A                   | High      | 1866                     | 1781 | 1684 | 1582 | 1446 | 1381 |
|                               | Medium    | 1706                     | 1640 | 1573 | 1485 | 1376 | 1247 |
|                               | Low       | 1501                     | 1446 | 1365 | 1271 | 1158 | 979  |
| FSHN2W6000A                   | High      | 2090                     | 2060 | 2015 | 1935 | 1865 | 1780 |
|                               | Medium    | 1440                     | 1410 | 1360 | 1305 | 1245 | 1175 |
|                               | Low       | 1248                     | 1194 | 1167 | 1095 | 1035 | 975  |

| ELECTRICAL DATA         |       |                           |        |        |           |         |         |         |
|-------------------------|-------|---------------------------|--------|--------|-----------|---------|---------|---------|
| FSHN2W**00A ** =        |       | 12                        | 18     | 24     | 30        | 36      | 48      | 60      |
| Nominal capacity        | Btu/h | 12000                     | 18000  | 24000  | 30,000    | 36000   | 48000   | 56000   |
| Nominal air flow rate   | cfm   | 400                       | 600    | 800    | 1000      | 1200    | 1600    | 2000    |
| VOLTAGE                 |       | 220 - 1 -50/60            |        |        |           |         |         |         |
| Face area               | m2    | 0.111                     | 0.144  | 0.1961 | 0.245     | 0.294   | 0.343   | 0.415   |
| Number of rows          | n     | 3                         | 3      | 3      | 3         | 3       | 3       | 3       |
| Coil size (in)          | in    | 8 x 21.5                  | 8 x 28 | 8 x 28 | 10 x 38   | 10 x 46 | 12 x 46 | 14 x 46 |
| Pre-filter / Air filter | Type  | NONE                      |        |        |           |         |         |         |
| COIL DATA               |       |                           |        |        |           |         |         |         |
| Fin type                | Type  | Corrugated                |        |        |           |         |         |         |
| Fins per inch           | n     | 12                        | 13     | 13     | 13        | 12      | 13      | 13      |
| Tube size               | in    | 3/8                       |        |        |           |         |         |         |
| Number of tubes         | n     | 24                        | 24     | 24     | 30        | 36      | 36      | 42      |
| BLOWER                  |       |                           |        |        |           |         |         |         |
| Type                    | Type  | Centrifugal Double Inlet  |        |        |           |         |         |         |
| Diameter x Length       | in    | 6 x 6                     | 6 x 8  | 6 x 9  | 6.5 x 8.5 | 7 x 7   | 8 x 8   | 9 x 9   |
| Number used             | n     | 2                         | 2      | 2      | 2         | 2       | 2       | 2       |
| Motor                   | Type  | Permanent split capacitor |        |        |           |         |         |         |
| Drive                   | Type  | Direct                    |        |        |           |         |         |         |
| BLOWER DATA             |       |                           |        |        |           |         |         |         |
| No. of motors           | n     | 1                         | 1      | 1      | 1         | 1       | 1       | 1       |
| Pipe connection         | Type  | Flare                     |        |        |           |         |         |         |
| Liquid line size        | in    | 1/4"                      | 3/8"   | 3/8"   | 3/8"      | 3/8"    | 3/8"    | 1/2"    |
| PIPING CONNECTIONS      |       |                           |        |        |           |         |         |         |
| Gas line size           | in    | 1/2"                      | 5/8"   | 5/8"   | 3/4"      | 3/4'    | 3/4"    | 3/4"    |
| Drain connection size   | in    | 1                         |        |        |           |         |         |         |
| Expansion device type   | Type  | PISTON                    |        |        |           |         |         |         |
| Expansion device size   | in    | 0.040                     | 0.050  | 0.056  | 0.059     | 0.069   | 0.080   | 0.090   |
| UNIT DIMENSIONS         |       |                           |        |        |           |         |         |         |
| Height unit - "C"       | mm    | 233                       | 233    | 233    | 284       | 337     | 386     | 386     |
| Length unit - "B"       | mm    | 723                       | 888    | 1142   | 1142      | 1142    | 1142    | 1396    |
| Depth unit - "A"        | mm    | 540                       | 540    | 540    | 555       | 600     | 632     | 666     |
| WEIGHT - APPROXIMATE    |       |                           |        |        |           |         |         |         |
| Net                     | kg    | 18                        | 20     | 23     | 25        | 29      | 38      | 45      |
| SHIPPING INFORMATION    |       |                           |        |        |           |         |         |         |
| 40' HC container load   | n     | 640                       | 520    | 420    | 320       | 266     | 216     | 150     |



| MODEL NOMENCLATURE FOR DUCTED INTERNATIONAL UNIVERSAL MOUNT DFS |                                                                                                                                                      |   |   |   |   |   |    |    |   |   |
|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|---|---|----|----|---|---|
|                                                                 | F                                                                                                                                                    | S | H | N | 2 | W | 18 | 00 | A | 1 |
| Fan Coil                                                        |                                                                                                                                                      |   |   |   |   |   |    |    |   |   |
| Motor                                                           | S = Standard PSC<br>E = BPM<br>V = Variable                                                                                                          |   |   |   |   |   |    |    |   |   |
| Installation Type                                               | H = Horizontal                                                                                                                                       |   |   |   |   |   |    |    |   |   |
| Plenum                                                          | N = Without<br>P = With                                                                                                                              |   |   |   |   |   |    |    |   |   |
| Refrigerant                                                     | 2 = R22<br>4 = R410A                                                                                                                                 |   |   |   |   |   |    |    |   |   |
| Voltage                                                         | W = 220V-1-50/60                                                                                                                                     |   |   |   |   |   |    |    |   |   |
| Nominal Capacity                                                | 12 = 12000 BTUH<br>18 = 18000 BTUH<br>24 = 24000 BTUH<br>30 = 30000 BTUH<br>36 = 36000 BTUH<br>42 = 42000 BTUH<br>48 = 48000 BTUH<br>60 = 60000 BTUH |   |   |   |   |   |    |    |   |   |
| Electrical Heat                                                 | 00 = no heat                                                                                                                                         |   |   |   |   |   |    |    |   |   |
| Sales Code                                                      | A = Unpainted unit with fan relay                                                                                                                    |   |   |   |   |   |    |    |   |   |
| Engineering revision                                            |                                                                                                                                                      |   |   |   |   |   |    |    |   |   |