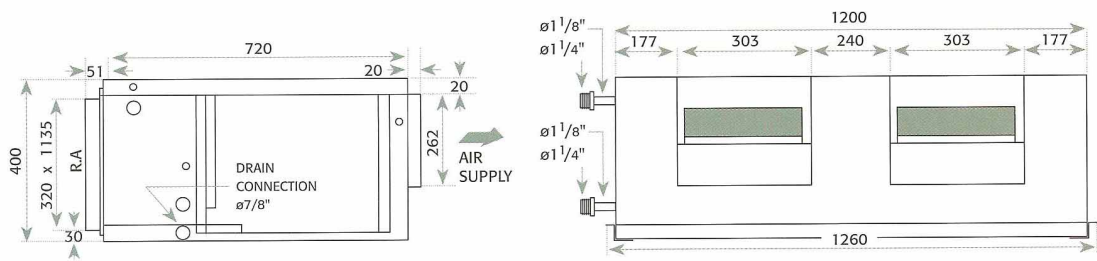


# AWSQ 1500 ▪ Super Quiet



Dimensions in mm.

| Speed  | Sound Pressure Level | Air Volume            |
|--------|----------------------|-----------------------|
|        | DBA                  | M <sup>3</sup> /H CFM |
| High   | 39                   | 2346 / 1380           |
| Medium | 34                   | 2006 / 1180           |
| Low    | 29.5                 | 1666 / 980            |

\* sound pressure level measured at 3 m' from unit side and 1.5 m' above floor level

## Technical Data

|                         |                                   |                            |
|-------------------------|-----------------------------------|----------------------------|
| *Air flow rate          | M <sup>3</sup> /HR (CFM):         | 2346 (1380)                |
| Fan motor               | SPEED/ HP:                        | 2 x 3 / 140                |
| Nominal rpm             |                                   | 833                        |
| Power supply            | V/PH/Hz:                          | 220 / 1 / 50               |
| Current                 | A:                                | 2 x 0.63                   |
| Electric Heater Options | kW:                               | 4.7 / 5.8                  |
| Weight                  | Kg                                | 81                         |
| Drain tube diameter     | Inch:                             | 1/2 BSPT                   |
| Fuse (Type)             | A(C):                             | 10 With heater-see page 54 |
| Coil face area          | Ft <sup>2</sup> /m <sup>2</sup> : | 4.2 / 0.39                 |

\* Available data for 0.1" external static pressure with 4 rows deep cooling coil at high speed fan

## Water cooling coil rating

| EAT (F) |     | 73 DB 62 WB |       |      |      | 77 DB 65 WB |       |      |      | 80 DB 67 WB |       |      |      | 85 DB 71 WB |       |      |      |      |
|---------|-----|-------------|-------|------|------|-------------|-------|------|------|-------------|-------|------|------|-------------|-------|------|------|------|
| EWT     | WTR | TC          | SC    | FLOW | PD   | TC          | SC    | FLOW | PD   | TC          | SC    | FLOW | PD   | TC          | SC    | FLOW | PD   |      |
| °F      | °F  | kbtuh       | kbtuh | gpm  | ft   | kbtuh       | kbtuh | gpm  | ft   | kbtuh       | kbtuh | gpm  | ft   | kbtuh       | kbtuh | gpm  | ft   |      |
| 4 rows  | 42  | 8           | 37.8  | 30.3 | 9.4  | 11.9        | 47.6  | 34.8 | 11.9 | 18.3        | 54.4  | 38.5 | 13.5 | 23.6        | 69.4  | 43.6 | 17.3 | 37.4 |
|         |     | 10          | 33.5  | 28.2 | 6.7  | 6.2         | 42.8  | 32.7 | 8.5  | 9.9         | 49.4  | 36.4 | 10.5 | 12.9        | 64.9  | 41.8 | 13.0 | 21.7 |
|         |     | 12          | 29.6  | 26.1 | 4.9  | 3.5         | 38.1  | 30.6 | 6.4  | 5.6         | 44.4  | 34.2 | 7.3  | 7.5         | 59.4  | 39.7 | 9.8  | 12.9 |
|         | 45  | 8           | 31.3  | 27.3 | 7.8  | 8.3         | 40.2  | 31.7 | 10.0 | 13.3        | 46.8  | 35.3 | 11.7 | 17.7        | 61.3  | 40.4 | 15.2 | 29.5 |
|         |     | 10          | 27.9  | 25.3 | 5.6  | 4.4         | 35.8  | 29.7 | 7.1  | 7.0         | 41.9  | 33.2 | 8.3  | 9.3         | 56.4  | 38.5 | 11.2 | 16.4 |
|         |     | 12          | 24.8  | 23.1 | 4.1  | 2.6         | 31.9  | 27.7 | 5.3  | 4.0         | 37.7  | 31.3 | 6.3  | 5.5         | 51.2  | 36.6 | 8.5  | 9.8  |
|         | 48  | 8           | 26.1  | 24.3 | 6.5  | 5.9         | 33.3  | 28.7 | 8.3  | 9.2         | 39.2  | 32.2 | 9.7  | 12.6        | 53.0  | 37.3 | 13.2 | 22.3 |
|         |     | 10          | 23.5  | 22.2 | 4.8  | 3.1         | 30.0  | 26.9 | 5.9  | 5.0         | 35.3  | 30.4 | 7.0  | 6.8         | 48.3  | 35.3 | 9.6  | 12.2 |
|         |     | 12          | 18.3  | 18.3 | 3.0  | 1.4         | 27.0  | 24.9 | 4.5  | 2.9         | 32.0  | 28.6 | 5.3  | 4.0         | 43.4  | 33.6 | 7.2  | 7.1  |
| 5 rows  | 42  | 8           | 44.6  | 34.5 | 11.1 | 12.6        | 55.7  | 39.5 | 13.9 | 19.1        | 63.5  | 43.7 | 15.8 | 24.6        | 80.4  | 49.4 | 20.0 | 38.6 |
|         |     | 10          | 40.2  | 32.3 | 8.0  | 6.8         | 50.7  | 37.3 | 10.1 | 10.6        | 58.2  | 41.4 | 12.0 | 13.6        | 75.8  | 47.6 | 15.2 | 22.6 |
|         |     | 12          | 35.9  | 30.1 | 6.0  | 3.9         | 45.8  | 35.1 | 7.7  | 6.1         | 53.0  | 39.1 | 8.8  | 8.1         | 69.9  | 45.2 | 11.9 | 13.6 |
|         | 45  | 8           | 37.3  | 31.1 | 9.3  | 9.0         | 47.5  | 36.0 | 11.8 | 14.1        | 54.9  | 40.0 | 13.7 | 18.6        | 71.4  | 45.8 | 17.8 | 30.7 |
|         |     | 10          | 33.7  | 29.1 | 6.8  | 4.8         | 43.0  | 33.9 | 8.5  | 7.7         | 50.0  | 37.9 | 10.0 | 10.1        | 66.4  | 43.8 | 13.2 | 17.4 |
|         |     | 12          | 30.3  | 26.9 | 5.0  | 2.8         | 38.7  | 31.9 | 6.5  | 4.5         | 45.5  | 35.8 | 7.6  | 6.0         | 60.9  | 41.7 | 10.1 | 10.5 |
|         | 48  | 8           | 31.3  | 27.9 | 7.8  | 6.4         | 39.8  | 32.6 | 10.0 | 10.0        | 46.5  | 36.5 | 11.6 | 13.5        | 62.3  | 42.3 | 15.5 | 23.5 |
|         |     | 10          | 28.6  | 25.9 | 5.8  | 3.5         | 36.3  | 30.8 | 7.2  | 5.5         | 42.5  | 34.7 | 8.4  | 7.4         | 57.4  | 40.4 | 11.4 | 13.1 |
|         |     | 12          | 24.5  | 22.8 | 4.1  | 1.9         | 33.0  | 28.8 | 5.5  | 3.3         | 38.9  | 32.8 | 6.5  | 4.5         | 52.2  | 38.3 | 8.7  | 7.8  |
| 6 rows  | 42  | 8           | 51.4  | 38.6 | 12.7 | 13.3        | 63.8  | 44.2 | 15.9 | 19.9        | 72.5  | 48.8 | 18.0 | 25.5        | 91.3  | 55.2 | 22.7 | 39.7 |
|         |     | 10          | 46.8  | 36.3 | 9.3  | 7.3         | 58.6  | 41.9 | 11.7 | 11.2        | 67.0  | 46.3 | 13.4 | 14.3        | 86.6  | 53.3 | 17.3 | 23.4 |
|         |     | 12          | 42.2  | 34.0 | 7.0  | 4.2         | 53.4  | 39.5 | 8.9  | 6.6         | 61.6  | 44.4 | 10.3 | 8.6         | 80.3  | 50.7 | 13.9 | 14.2 |
|         | 45  | 8           | 43.3  | 34.8 | 10.8 | 9.6         | 54.7  | 40.2 | 13.6 | 14.9        | 62.9  | 44.6 | 15.7 | 19.4        | 81.5  | 51.2 | 20.3 | 31.8 |
|         |     | 10          | 39.5  | 32.8 | 7.9  | 5.2         | 50.1  | 38.1 | 9.9  | 8.3         | 58.0  | 42.5 | 11.6 | 10.8        | 76.3  | 49.1 | 15.2 | 18.3 |
|         |     | 12          | 35.8  | 30.6 | 5.9  | 3.0         | 45.5  | 36.0 | 7.6  | 4.9         | 53.2  | 40.3 | 8.9  | 6.5         | 70.5  | 46.8 | 11.7 | 11.1 |
|         | 48  | 8           | 36.4  | 31.4 | 9.1  | 6.9         | 46.2  | 36.5 | 11.6 | 10.7        | 53.8  | 40.8 | 13.4 | 14.3        | 71.5  | 47.2 | 17.8 | 24.7 |
|         |     | 10          | 33.6  | 29.5 | 6.7  | 3.8         | 42.5  | 34.6 | 8.4  | 5.9         | 49.6  | 38.9 | 9.8  | 8.0         | 66.4  | 45.2 | 13.2 | 14.0 |
|         |     | 12          | 30.6  | 27.2 | 5.1  | 2.3         | 39.0  | 32.7 | 6.5  | 3.6         | 45.8  | 37.0 | 7.6  | 4.9         | 61.0  | 43.0 | 10.2 | 8.4  |

## Water heating coil rating

| EAT (F) |     | 70 DB |       |      | 80 DB |       |      |
|---------|-----|-------|-------|------|-------|-------|------|
| EWT     | WTD | TH    | FLOW  | WTD  | TH    | FLOW  |      |
| °F      | °F  | kbtuh | gpm   | °F   | kbtuh | gpm   |      |
| 1 row   | 113 | 11.50 | 14.75 | 2.87 | 8.00  | 11.32 | 2.87 |
|         | 120 | 12.20 | 17.20 | 2.87 | 9.80  | 13.77 | 2.87 |
| 2 rows  | 113 | 10.30 | 26.06 | 5.15 | 7.90  | 20.07 | 5.15 |
|         | 120 | 12.10 | 30.49 | 5.15 | 9.70  | 24.39 | 5.15 |

Preliminary data  
Specifications subject to change  
without notice

EA - Entering Air Temperature °F  
EWT - Entering Water Temperature °F  
WTR - Water Temperature Rise °F

TC - Total Cooling Capacity in 1000•BTU/H  
SC - Sensible Cooling Capacity in 1000•BTU/H  
PD - Pressure Drop FT H<sub>2</sub>O

TH - Total Heating Capacity in 1000•BTU/H  
WTD - Water Temperature Decrease °F