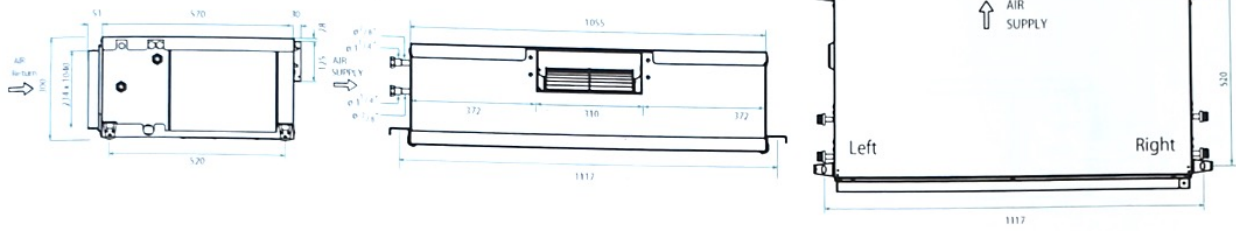


AWLSQ 800 • Super Quiet



Technical Data

| | | |
|----------------------------------|--------------------------|----------------------------------|
| Air flow rate | M ³ /HR (CFM) | 1360 (800)/1224 (720)/1139 (670) |
| Fan quantity/type | | 1 x DD 7-10 |
| AC Motor | HP/Speed/RPM | 1/5 / 3 / 1155 |
| EC Motor (optional) 0-10V | HP/RPM | 1/8 / 1150 |
| Power supply | V/PH/Hz | 220-240/1/50 |
| Current | A | 0.72 |
| Electric Heater Options | KW (Stages) | 3.0(1) 4.7(2) |
| | A | 16 3x16 |

| | | |
|-----------------------------------|----------------------------------|----------------|
| Sound pressure level* | dbA | H-36 M-31 L-27 |
| External static pressure** | Inch H ₂ O | 0.25(4 rows) |
| Drain tube diameter | Inch | 1/2 BSPT |
| Fuse (Type) | A(C) | 10 |
| Coil face area | Ft ² / m ² | 2.6 / 0.24 |
| Weight (Net) | Kg | 85 |
| Shut-off Valve | Inch | 3/4 BSP |

* Sound pressure level measured at 3 m³ from unit side and 1.5m³ above floor level
 **Available data for 0.25" external static pressure with 6 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 | 19.1 | 15.8 | 4.8 | 4.9 | 24.4 | 18.3 | 6.2 | 7.8 | 28.0 | 20.2 | 7.0 | 9.9 | 36.3 | 23.1 | 9.1 | 16.3 | |
| | | 10 | 16.6 | 14.5 | 3.3 | 2.4 | 21.4 | 17.0 | 4.3 | 4.0 | 24.9 | 18.9 | 5.0 | 5.4 | 33.2 | 21.8 | 6.6 | 9.0 | |
| | | 12 | 14.5 | 13.2 | 2.4 | 1.4 | 18.7 | 15.7 | 3.1 | 2.2 | 22.0 | 17.6 | 3.7 | 3.0 | 29.8 | 20.5 | 5.0 | 5.2 | |
| | 45 | 8 | 15.8 | 14.1 | 4.0 | 3.4 | 20.4 | 16.5 | 5.1 | 5.5 | 23.9 | 18.5 | 5.9 | 7.5 | 32.0 | 21.4 | 8.0 | 12.8 | |
| | | 10 | 13.8 | 12.9 | 2.8 | 1.7 | 17.8 | 15.3 | 3.6 | 2.8 | 21.1 | 17.3 | 4.2 | 3.8 | 28.7 | 20.1 | 5.7 | 6.9 | |
| | | 12 | 12.0 | 11.4 | 2.1 | 0.9 | 15.7 | 14.1 | 2.6 | 1.6 | 18.6 | 16.1 | 3.1 | 2.1 | 25.5 | 18.9 | 4.3 | 4.0 | |
| | 48 | 8 | 13.2 | 12.4 | 3.3 | 2.4 | 16.8 | 14.9 | 4.2 | 3.8 | 20.2 | 16.8 | 5.0 | 5.2 | 27.4 | 19.7 | 6.8 | 9.6 | |
| | | 10 | 11.6 | 11.0 | 2.3 | 1.3 | 14.9 | 13.7 | 3.0 | 2.0 | 17.7 | 15.7 | 3.6 | 2.8 | 24.4 | 18.6 | 4.9 | 5.1 | |
| | | 12 | 9.0 | 9.0 | 1.5 | 0.6 | 13.2 | 12.4 | 2.2 | 1.2 | 15.8 | 14.5 | 2.6 | 1.6 | 21.5 | 17.4 | 3.6 | 2.8 | |
| | 5 rows | 42 | 8 | 22.9 | 17.9 | 5.8 | 6.5 | 28.9 | 20.7 | 7.3 | 9.9 | 32.9 | 22.8 | 8.2 | 12.6 | 42.0 | 26.0 | 10.5 | 20.1 |
| | | | 10 | 20.4 | 16.7 | 4.1 | 3.4 | 25.9 | 19.4 | 5.2 | 5.3 | 29.9 | 21.5 | 6.0 | 7.0 | 39.1 | 24.7 | 7.8 | 11.5 |
| | | | 12 | 18.1 | 15.4 | 3.1 | 2.0 | 23.1 | 18.1 | 3.8 | 3.0 | 26.9 | 20.2 | 4.5 | 4.1 | 35.8 | 23.5 | 6.0 | 6.9 |
| 45 | | 8 | 19.1 | 16.1 | 4.8 | 4.6 | 24.4 | 18.7 | 6.1 | 7.2 | 28.3 | 20.9 | 7.1 | 9.6 | 37.3 | 24.1 | 9.3 | 16.0 | |
| | | 10 | 17.0 | 15.0 | 3.5 | 2.7 | 21.8 | 17.6 | 4.4 | 3.9 | 25.5 | 19.7 | 5.1 | 5.1 | 34.2 | 22.8 | 6.8 | 9.0 | |
| | | 12 | 15.2 | 13.7 | 2.6 | 1.4 | 19.5 | 16.4 | 3.3 | 2.3 | 22.9 | 18.5 | 3.8 | 3.0 | 31.0 | 21.6 | 5.2 | 5.3 | |
| 48 | | 8 | 15.9 | 14.3 | 4.0 | 3.3 | 20.4 | 16.9 | 5.1 | 5.1 | 24.1 | 19.0 | 6.0 | 6.9 | 32.4 | 22.1 | 8.1 | 12.2 | |
| | | 10 | 14.4 | 13.1 | 2.9 | 1.8 | 18.3 | 15.8 | 3.7 | 2.8 | 21.6 | 17.9 | 4.4 | 3.8 | 29.5 | 21.0 | 5.9 | 6.8 | |
| | | 12 | 12.3 | 11.5 | 2.1 | 1.0 | 16.6 | 14.7 | 2.8 | 1.7 | 19.6 | 16.8 | 3.3 | 2.3 | 26.5 | 19.8 | 4.4 | 3.9 | |
| 6 rows | | 42 | 8 | 26.7 | 20.0 | 6.7 | 8.0 | 33.3 | 23.0 | 8.3 | 12.0 | 37.7 | 25.3 | 9.4 | 15.2 | 47.7 | 28.8 | 11.9 | 23.9 |
| | | | 10 | 24.1 | 18.8 | 4.9 | 4.3 | 30.3 | 21.7 | 6.0 | 6.6 | 34.8 | 24.1 | 6.9 | 8.6 | 45.0 | 27.6 | 9.0 | 14.0 |
| | | | 12 | 21.6 | 17.6 | 3.7 | 2.6 | 27.4 | 20.4 | 4.5 | 3.8 | 31.8 | 22.8 | 5.3 | 5.1 | 41.7 | 26.4 | 6.9 | 8.5 |
| | 45 | 8 | 22.4 | 18.0 | 5.6 | 5.7 | 28.4 | 20.8 | 7.0 | 8.9 | 32.7 | 23.2 | 8.2 | 11.7 | 42.6 | 26.7 | 10.6 | 19.1 | |
| | | 10 | 20.2 | 17.0 | 4.1 | 3.7 | 25.8 | 19.8 | 5.2 | 4.9 | 29.9 | 22.0 | 5.9 | 6.4 | 39.7 | 25.5 | 7.9 | 11.0 | |
| | | 12 | 18.4 | 15.9 | 3.0 | 1.9 | 23.3 | 18.6 | 3.9 | 2.9 | 27.2 | 20.8 | 4.5 | 3.8 | 36.5 | 24.2 | 6.0 | 6.6 | |
| | 48 | 8 | 18.6 | 16.2 | 4.6 | 4.1 | 23.9 | 18.9 | 5.9 | 6.4 | 27.9 | 21.2 | 6.9 | 8.5 | 37.3 | 24.5 | 9.3 | 14.8 | |
| | | 10 | 17.1 | 15.2 | 3.5 | 2.2 | 21.7 | 17.9 | 4.3 | 3.6 | 25.5 | 20.1 | 5.1 | 4.8 | 34.5 | 23.4 | 6.9 | 8.4 | |
| | | 12 | 15.6 | 14.0 | 2.6 | 1.4 | 19.9 | 17.0 | 3.3 | 2.1 | 23.3 | 19.1 | 3.9 | 2.9 | 31.4 | 22.2 | 5.2 | 5.0 | |

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 | 4.10 | 8.38 | 3.48 | 3.80 | 6.43 | 3.48 |
| | 120 | 5.70 | 9.77 | 3.48 | 4.60 | 7.81 | 3.48 |
| 2 rows | 113 | 6.05 | 15.82 | 5.71 | 4.30 | 12.14 | 5.71 |
| | 120 | 7.13 | 18.45 | 5.71 | 5.30 | 14.75 | 5.71 |

Valve Options

| | ON/OFF | | Proportional | |
|---------|-----------|-----------|--------------|-----------|
| Cooling | 2Way-1" | 3Way-3/4" | 2Way-3/4" | 3Way-3/4" |
| Heating | 2Way-1/2" | 3Way-1/2" | 2Way-1/2" | 3Way-1/2" |

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 H₂O

TH - Total Heating Capacity in 1000-BTU/H
 WTD - Water Temperature Decrease °F
 Kvs - Amount of flow