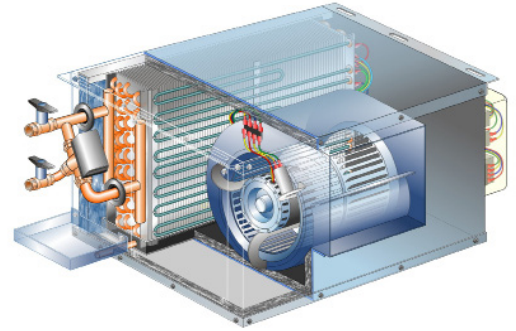


Model AHU-L SQ 15

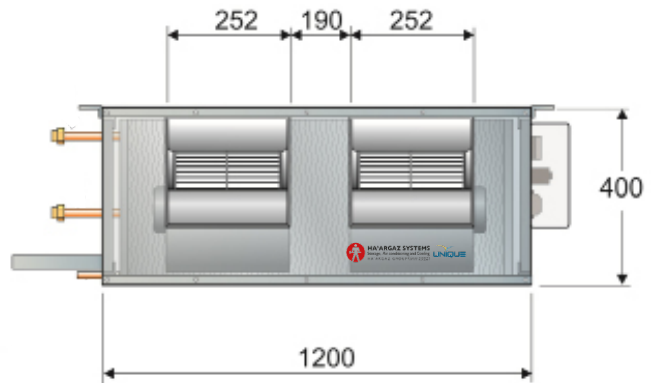
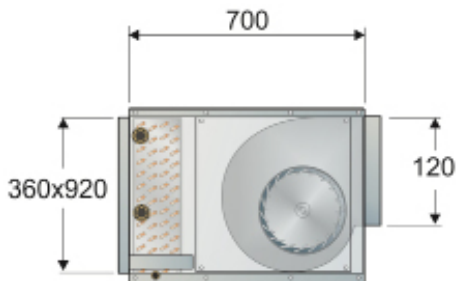
TECHNICAL DATA

| Model | | TYPE A | TYPE C |
|---------------------------------------|-------------------|--------------------------------------|--------------------|
| Air Flow (at high speed) ¹ | m ³ /h | 2550 | |
| | cfm | 1500 | |
| Fan Type And Model | | 2x Centrifugal 7"x7" | Centrifugal 9"x10" |
| High Fan Speed | R.P.M | 800 | 900 |
| Number of Speeds | | 3 | 3 |
| Noise Level – H / M / L ² | dBA | 39 / 34 / 29.5 | 38 / 33 / 29 |
| Power Supply | V/Ph/Hz | 230V, 1Ph, 50Hz | |
| Current Consumption | Amp | 2.2 | 3.6 |
| Weight | kg | 59 | 57 |
| Coil Face Area | m ² | 0.35 | 0.35 |
| Fins Spacing | Per Inch | 12 for 4-row coil, 10 for 6-row coil | |

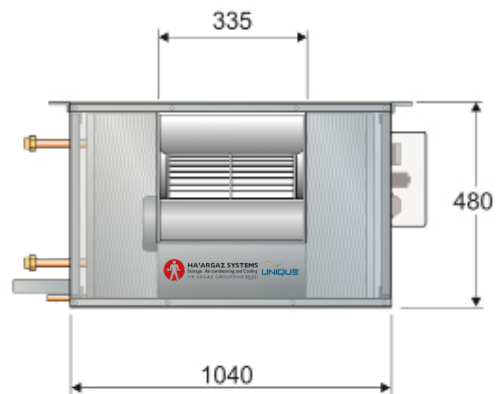
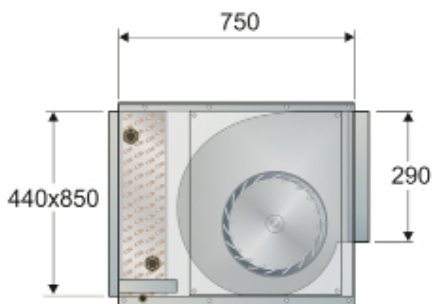


NOTES: 1. Air Flow refers to 4 row coil and 6 mm H₂O external pressure drop.
 2. Noise level refers to a ducted unit at a distance of 1.5m from the unit.

HORIZONTAL TYPE A



HORIZONTAL TYPE C





PERFORMANCE

| COOLING CAPACITY FOR 4 ROW COIL | | | | | | | | | | | | | | | | | |
|--|--------|---------------------|-----------|---------|------------------------------|-------------------|-----------|---------|------------------------------|---------------------|-----------|---------|------------------------------|---------------------|-----------|---------|------------------------------|
| AIR Entering Temperature | | 22.8°C DB 16.7°C WB | | | | 25°C DB 18.3°C WB | | | | 26.7°C DB 19.4°C WB | | | | 29.4°C DB 21.7°C WB | | | |
| EWT °C | WTR °C | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O (A/C)* | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O (A/C)* | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O (A/C)* | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O (A/C)* |
| 5.5 | 4.4 | 10854 | 37056 | 2.1 | 2.9/2.7 | 12905 | 44058 | 2.5 | 3.7/3.8 | 14359 | 49022 | 2.8 | 4.6/4.4 | 17449 | 59571 | 3.4 | 6.3/6.2 |
| | 5.5 | 10337 | 35291 | 1.6 | 2.0/1.9 | 12290 | 41958 | 1.9 | 2.5/2.5 | 13675 | 46686 | 2.1 | 2.9/2.8 | 16618 | 56734 | 2.6 | 4.1/5.0 |
| | 6.7 | 9820 | 33525 | 1.3 | 1.4/1.4 | 11676 | 39862 | 1.5 | 1.8/1.7 | 12992 | 44355 | 1.7 | 2.1/2.1 | 15787 | 53897 | 2.0 | 2.9/2.7 |
| 7.2 | 4.4 | 9477 | 32354 | 1.8 | 2.5/2.3 | 11425 | 39005 | 2.2 | 3.3/3.2 | 12983 | 44324 | 2.5 | 3.7/3.8 | 16073 | 54873 | 3.1 | 5.3/5.5 |
| | 5.5 | 9026 | 30815 | 1.4 | 1.7/1.6 | 10881 | 37148 | 1.7 | 2.1/2.1 | 12365 | 42214 | 1.9 | 2.5/2.5 | 15307 | 52258 | 2.4 | 3.3/3.2 |
| | 6.7 | 8575 | 29275 | 1.1 | 1.2/1.3 | 10337 | 35291 | 1.3 | 1.5/1.6 | 11746 | 40101 | 1.5 | 1.8/1.7 | 14542 | 49646 | 1.9 | 2.5/2.4 |
| 8.9 | 4.4 | 8024 | 27394 | 1.5 | 1.1/1.1 | 10088 | 34440 | 2.0 | 2.5/2.5 | 11529 | 39360 | 2.2 | 3.3/3.2 | 14632 | 49954 | 2.8 | 4.6/4.5 |
| | 5.5 | 7641 | 26086 | 1.2 | 1.3/1.3 | 9607 | 32798 | 1.5 | 1.8/1.7 | 10980 | 37486 | 1.6 | 2.1/2.1 | 13935 | 47574 | 2.2 | 3.2/3.0 |
| | 6.7 | 7259 | 24782 | 0.9 | 1.1/1.1 | 9127 | 31160 | 1.2 | 1.2/1.3 | 10431 | 35611 | 1.3 | 1.5/1.6 | 13238 | 45195 | 1.7 | 2.1/2.1 |

| COOLING CAPACITY FOR 6 ROW COIL | | | | | | | | | | | | | | | | | |
|--|--------|---------------------|-----------|---------|------------------------------|-------------------|-----------|---------|------------------------------|---------------------|-----------|---------|------------------------------|---------------------|-----------|---------|------------------------------|
| AIR Entering Temperature | | 22.8°C DB 16.7°C WB | | | | 25°C DB 18.3°C WB | | | | 26.7°C DB 19.4°C WB | | | | 29.4°C DB 21.7°C WB | | | |
| EWT °C | WTR °C | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O (A/C)* | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O (A/C)* | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O (A/C)* | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O (A/C)* |
| 5.5 | 4.4 | 13451 | 45922 | 2.6 | 2.8/2.5 | 15994 | 54604 | 3.1 | 3.8/2.8 | 17796 | 60756 | 3.5 | 4.4/4.0 | 21625 | 73828 | 4.2 | 6.2/5.0 |
| | 5.5 | 12811 | 43737 | 2.0 | 1.9/1.6 | 15232 | 52002 | 2.4 | 2.4/2.1 | 16948 | 57860 | 2.6 | 2.9/2.6 | 20595 | 70311 | 3.2 | 4.1/3.5 |
| | 6.7 | 12170 | 41548 | 1.6 | 1.5/1.2 | 14470 | 49401 | 1.9 | 1.7/1.6 | 16101 | 54969 | 2.1 | 2.0/1.8 | 19566 | 66798 | 2.5 | 2.8/2.3 |
| 7.2 | 4.4 | 11746 | 40101 | 2.3 | 2.4/2.0 | 14159 | 48339 | 2.7 | 3.2/2.7 | 16090 | 54931 | 3.1 | 4.0/2.7 | 19920 | 68007 | 3.9 | 5.6/4.1 |
| | 5.5 | 11186 | 38189 | 1.7 | 1.6/1.4 | 13485 | 46038 | 2.1 | 2.0/1.8 | 15324 | 52316 | 2.4 | 2.4/2.1 | 18971 | 64767 | 2.9 | 3.6/3.1 |
| | 6.7 | 10627 | 36281 | 1.4 | 1.2/1.1 | 12811 | 43737 | 1.7 | 1.5/1.3 | 14558 | 49701 | 1.9 | 1.8/1.6 | 18022 | 61527 | 2.3 | 2.4/2.1 |
| 8.9 | 4.4 | 9944 | 33949 | 1.9 | 1.0/1.0 | 12502 | 42682 | 2.4 | 2.4/2.3 | 14288 | 48779 | 2.8 | 3.2/2.7 | 18133 | 61906 | 3.5 | 4.4/4.1 |
| | 5.5 | 9470 | 32331 | 1.5 | 1.4/1.2 | 11907 | 40650 | 1.8 | 1.7/1.5 | 13608 | 46458 | 2.0 | 2.0/1.8 | 17270 | 58960 | 2.7 | 2.9/2.7 |
| | 6.7 | 8997 | 30716 | 1.2 | 1.0/1.0 | 11311 | 38616 | 1.5 | 1.4/1.2 | 12927 | 44133 | 1.7 | 1.5/1.3 | 16407 | 56013 | 2.1 | 2.1/1.8 |

| HEATING CAPACITY | | | | | | | | | | | | | |
|--------------------------|--------|------------|-----------|---------|-----------------------|------------|-----------|---------|-----------------------|------------|-----------|---------|-----------------------|
| | | 4 Row Coil | | | | 1 Row Coil | | | | 2 Row Coil | | | |
| AIR Entering Temperature | | 21 °C | | | | 21 °C | | | | 21 °C | | | |
| EWT °C | WTD °C | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O | CAP Watt | CAP Btu/h | WF m³/h | PD m H ₂ O |
| 45 | 5 | 13666 | 46630 | 1.9 | 2.2 | | | | | | | | |
| 70 | 20 | | | | | 9317 | 31790 | 0.6 | 1.9 | 17849 | 60900 | 1.2 | 2.6 |

*Unit Configuration Type A/C

EWT - Entering Water Temp. | WTR - Water Temp. Rise | WTD - Water Temp. Drop | CAP-Cooling/Heating Capacity | PD - Water Pressure Drop | WF - Water Flow Rate

