



The new degree of comfort.®

Rheem Classic Plus® Series Ducted Air Conditioners

SHSL/SHLL Series

Air Handlers



SAGL Series

Condensing Units



50Hz

Tested in accordance with AHRI 210/240 Standard



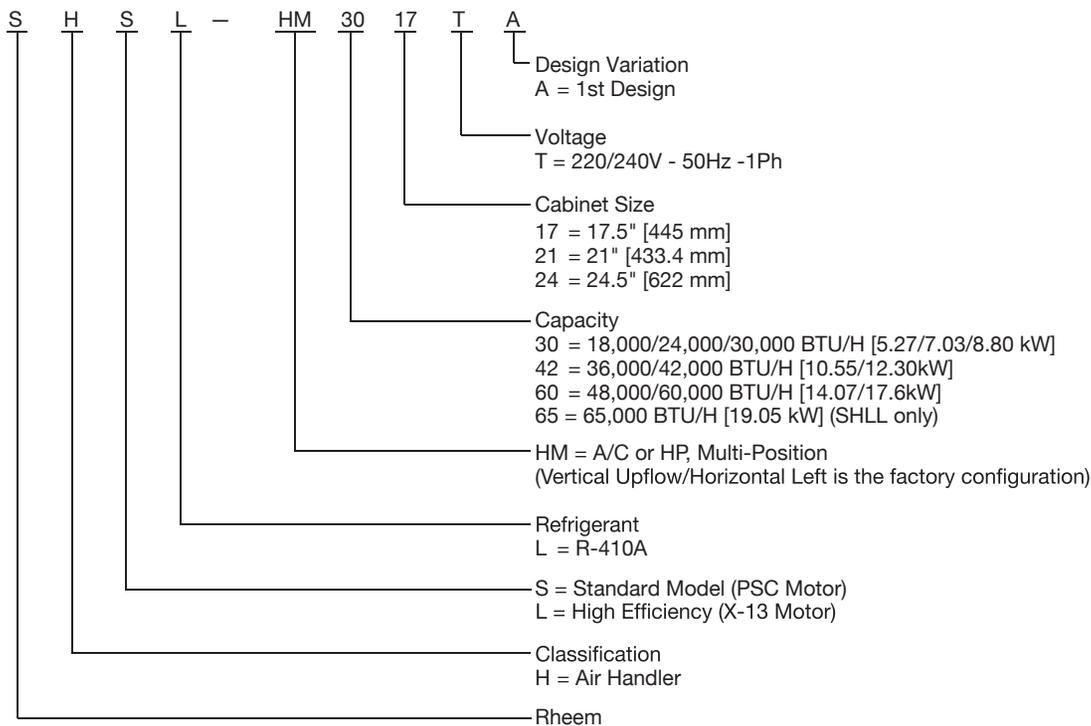
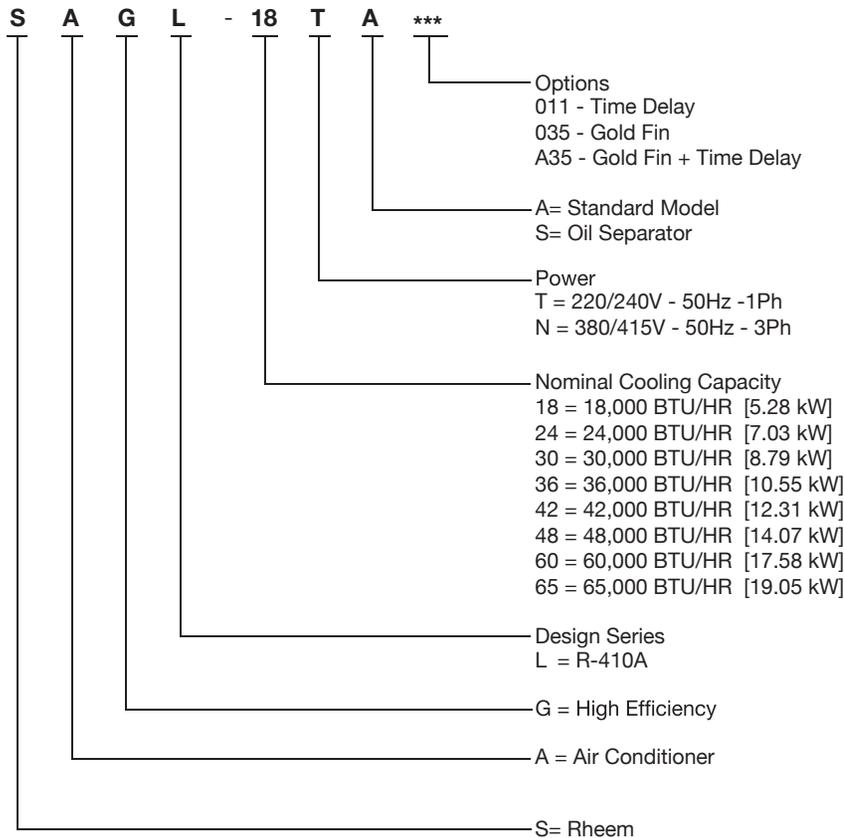


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NOMENCLATURE



[] Designates Metric Conversions



AVAILABLE MODELS - CONDENSING UNIT

| Models Available | 011 - TIME DELAY | 035 - GOLD FIN | A35 - GOLD FIN+TIME DELAY |
|------------------|------------------|----------------|---------------------------|
| SAGL-018TA | SAGL-018TA011 | SAGL-018TA035 | SAGL-018TAA35 |
| SAGL-024TA | SAGL-024TA011 | SAGL-024TA035 | SAGL-024TAA35 |
| SAGL-024TS | SAGL-024TS011 | - | SAGL-024TSA35 |
| SAGL-030TA | SAGL-030TA011 | SAGL-030TA035 | SAGL-030TAA35 |
| SAGL-030TS | SAGL-030TS011 | - | SAGL-030TSA35 |
| SAGL-036NA | SAGL-036NA011 | SAGL-036NA035 | SAGL-036NAA35 |
| SAGL-036TA | SAGL-036TA011 | SAGL-036TA035 | SAGL-036TAA35 |
| SAGL-036TS | SAGL-036TS011 | - | SAGL-036TSA35 |
| SAGL-042NA | SAGL-042NA011 | SAGL-042NA035 | SAGL-042NAA35 |
| SAGL-042NS | SAGL-042NS011 | - | SAGL-042NSA35 |
| SAGL-042TA | SAGL-042TA011 | SAGL-042TA035 | SAGL-042TAA35 |
| SAGL-048NA | SAGL-048NA011 | SAGL-048NA035 | SAGL-048NAA35 |
| SAGL-048NS | SAGL-048NS011 | - | SAGL-048NSA35 |
| SAGL-048TA | SAGL-048TA011 | SAGL-048TA035 | SAGL-048TAA35 |
| SAGL-060NA | SAGL-060NA011 | SAGL-060NA035 | SAGL-060NAA35 |
| SAGL-065NA | SAGL-065NA011 | SAGL-065NA035 | SAGL-065NAA35 |
| SAGL-065NS | SAGL-065NS011 | - | SAGL-065NSA35 |

Available Models - Air Handler

| Models Available | |
|------------------|---------------|
| SHSL-HM3017TA | SHLL-HM3017TA |
| SHSL-HM4217TA | SHLL-HM4217TA |
| SHSL-HM6021TA | SHLL-HM6021TA |
| - | SHLL-HM6524TA |



CONDENSING UNITS

SAGL STANDARD FEATURES

- Scroll compressor is hermetically sealed and incorporates internal high temperature motor overload protection and durable insulation on the motor windings. It is internally spring mounted and externally mounted on rubber grommets to reduce vibration and noise.
- Compressors have an internal pressure-relief assembly to protect against excessive pressure differential.
- All refrigerant connections are on the exterior of the units, located close to the ground for neat appearing installations.
- Cabinet is constructed of painted galvanized steel rated at 1008 hours salt spray per ASTM-B117.
- The full wraparound louvered grille protects the coil from damage.
- The control box is located on the top side corner of the cabinet providing for easy access through a service panel.
- Service valves are standard on all models.
- Power and control wiring are kept separate.
- Every unit is factory charged and tested.
- Drawn base pan for extra corrosion resistance and sound reduction.
- Condenser coils constructed with Copper tubing and enhanced aluminum fin.
- Exclusive Combination Grille/Motor mount secures the motor to the underside of the discharge grille for quiet fan operation.
- Bi-Directional Filter Driver (Shipped - not installed).
- Low Pressure Control (RXAC-A07).
- High Pressure Control (RXAB-A07).

Applications

Outdoor condensing unit designed for ground level or rooftop installation. These units offer comfort and dependability for single, multi-family and light commercial applications.

Accessories

Low Ambient Control (RXAC-A07).
 Crankcase heater.
 Sound enclosure.

AIR HANDLERS

SHSL/SHLL STANDARD FEATURES

- 1-½ ton [5.3 kW] through 5.42 ton [19.05 kW] models are between 42-½ to 55-½ inches [1080 to 1410 mm] tall (long, in case of horizontal installation) and 22 inches [559 mm] deep.
- Versatile 4-way field convertible design for upflow, downflow, horizontal left side and horizontal right side applications.
- Factory -installed high efficiency indoor coil with Thermostatic expansion valve.
- All models meet or exceed 330 to 400 CFM [156 to 189 L/s] per ton at .3 inches [.7 kPa] of external static pressure.
- Enhanced airflow up to .7" external static pressure.
- Sturdy construction with 1/2 inch of reinforced foil faced jacket insulation for excellent thermal and sound lining.
- Field-installed auxiliary electric heater kits provide exact heat for indoor comfort. Kits include circuit breakers which meet UL requirements for services disconnect.
- Attractive pre-painted cabinet exterior.
- Rugged wall steel cabinet construction, designed for added strength and versatility.
- Four leg blower motor mount.
- Blower housing with controls, motor and blower. Slide out design for service and maintenance convenience.
- Indoor coil design provides low air side pressure drop, high performance and extremely compact size.
- Concentric knockouts are provided for power connection to cabinet. Installer may pull desired hole size up to 2 inches [51mm] for 1-½ inch [38 mm] conduit.
- Expansion valve on indoor coil suitable for operation with air conditioning or heat pump using the same coil.
- Coils are constructed of aluminum fins bonded to internally grooved copper tubing.
- Moulded polymer corrosion resistant condensate drain pan is provided on all indoor coils (Vertical installation).
- Metallic drain Pan is provided on all horizontal installations
- Supply duct flanges provided as standard on air handler cabinet.
- Provisions for field electrical connection available from either side or top of the air handler cabinet.
- Connection point for high voltage wiring is inside the air handler cabinet. Low voltage connection is made on the outside of the air handler cabinet.
- Front refrigerant and drain connections.



GROSS PERFORMANCE DATA

| SAGL-018TA+SHSL-HM3017/SHLL-HM3017 | | | | | | | | | | |
|---|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR ⊖ | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | |
| | | 660 [312] 0.11 | 600 [283] 0.14 | 510 [241] 0.17 | 660 [312] 0.11 | 600 [283] 0.14 | 510 [241] 0.17 | 660 [312] 0.11 | 600 [283] 0.14 | 510 [241] 0.17 |
| 75°F [23.9°C] | Total BTUH [kW] | 20.7 [6.1] | 20.2 [5.9] | 19.6 [5.7] | 19.7 [5.8] | 19.1 [5.6] | 18.4 [5.4] | 19.6 [5.7] | 19.1 [5.6] | 18.5 [5.4] |
| | Sens BTUH [kW] | 12.3 [3.6] | 10.8 [3.2] | 9.5 [2.7] | 14.5 [4.2] | 13.0 [3.8] | 11.4 [3.3] | 17.4 [5.1] | 15.7 [4.6] | 13.9 [4.1] |
| | Power [kW] | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 80°F [26.7°C] | Total BTUH [kW] | 20.2 [5.9] | 19.7 [5.8] | 19.1 [5.6] | 19.1 [5.6] | 18.7 [5.5] | 18.0 [5.3] | 19.1 [5.6] | 18.6 [5.4] | 18.0 [5.3] |
| | Sens BTUH [kW] | 12.0 [3.5] | 10.8 [3.2] | 9.5 [2.7] | 14.2 [4.2] | 12.8 [3.7] | 11.2 [3.3] | 17.2 [5] | 15.5 [4.5] | 13.7 [4.0] |
| | Power [kW] | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 85°F [29.4°C] | Total BTUH [kW] | 19.7 [5.8] | 19.1 [5.6] | 18.5 [5.4] | 18.7 [5.5] | 18.1 [5.3] | 17.4 [5.1] | 18.7 [5.5] | 18.1 [5.3] | 17.5 [5.1] |
| | Sens BTUH [kW] | 11.7 [3.4] | 10.4 [3] | 9.1 [2.6] | 13.9 [4.1] | 12.4 [3.6] | 10.8 [3.2] | 16.9 [5] | 15.2 [4.4] | 13.4 [3.9] |
| | Power [kW] | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 90°F [32.2°C] | Total BTUH [kW] | 19.2 [5.6] | 18.7 [5.5] | 18.1 [5.3] | 18.2 [5.3] | 17.7 [5.2] | 17.0 [5.0] | 18.1 [5.3] | 17.7 [5.2] | 17.1 [5.0] |
| | Sens BTUH [kW] | 11.5 [3.4] | 10.2 [3] | 8.9 [2.6] | 13.7 [4] | 12.2 [3.6] | 10.6 [3.1] | 16.6 [4.9] | 15.0 [4.4] | 13.2 [3.9] |
| | Power [kW] | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 95°F [35.0°C] | Total BTUH [kW] | 18.7 [5.5] | 18.2 [5.3] | 17.6 [5.1] | 17.7 [5.2] | 17.2 [5] | 16.5 [4.8] | 17.7 [5.2] | 17.2 [5] | 16.6 [4.9] |
| | Sens BTUH [kW] | 11.1 [3.3] | 9.9 [2.9] | 8.6 [2.5] | 13.3 [3.9] | 12.0 [3.5] | 10.4 [3.0] | 16.3 [4.8] | 14.7 [4.3] | 12.9 [3.8] |
| | Power [kW] | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 100°F [37.8°C] | Total BTUH [kW] | 18.2 [5.3] | 17.7 [5.2] | 17.1 [5.0] | 17.1 [5] | 16.6 [4.9] | 15.9 [4.7] | 17.1 [5] | 16.6 [4.9] | 16.0 [4.7] |
| | Sens BTUH [kW] | 10.8 [3.2] | 9.6 [2.8] | 8.3 [2.4] | 13.0 [3.8] | 11.6 [3.4] | 10.0 [2.9] | 15.9 [4.7] | 14.4 [4.2] | 12.6 [3.7] |
| | Power [kW] | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 105°F [40.6°C] | Total BTUH [kW] | 17.7 [5.2] | 17.2 [5] | 16.6 [4.9] | 16.6 [4.9] | 16.2 [4.7] | 15.5 [4.5] | 16.6 [4.9] | 16.2 [4.7] | 15.6 [4.6] |
| | Sens BTUH [kW] | 10.5 [3.1] | 9.3 [2.7] | 8.0 [2.3] | 12.7 [3.7] | 11.3 [3.3] | 9.7 [2.9] | 15.6 [4.6] | 14.1 [4.1] | 12.3 [3.6] |
| | Power [kW] | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.2 |
| 110°F [43.3°C] | Total BTUH [kW] | 17.1 [5] | 16.6 [4.9] | 16.0 [4.7] | 16.1 [4.7] | 15.6 [4.6] | 14.9 [4.4] | 16.1 [4.7] | 15.6 [4.6] | 15.0 [4.4] |
| | Sens BTUH [kW] | 10.1 [3] | 8.9 [2.6] | 7.6 [2.2] | 12.3 [3.6] | 10.9 [3.2] | 9.3 [2.7] | 15.3 [4.5] | 13.7 [4] | 11.9 [3.5] |
| | Power [kW] | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.3 |
| 115°F [46.1°C] | Total BTUH [kW] | 16.6 [4.9] | 16.1 [4.7] | 15.5 [4.5] | 15.5 [4.6] | 15.2 [4.4] | 14.5 [4.2] | 15.5 [4.6] | 15.1 [4.4] | 14.5 [4.2] |
| | Sens BTUH [kW] | 9.7 [2.8] | 8.5 [2.5] | 7.2 [2.1] | 11.9 [3.5] | 10.8 [3.2] | 9.2 [2.7] | 14.9 [4.4] | 13.3 [3.9] | 11.5 [3.4] |
| | Power [kW] | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.4 |
| 120°F [48.9°C] | Total BTUH [kW] | 16.0 [4.7] | 15.5 [4.5] | 14.9 [4.3] | 15.0 [4.4] | 14.7 [4.3] | 14.0 [4.1] | 15.0 [4.4] | 14.5 [4.2] | 13.9 [4.1] |
| | Sens BTUH [kW] | 9.3 [2.7] | 8.2 [2.4] | 6.9 [2.0] | 11.5 [3.4] | 10.6 [3.1] | 9.0 [2.6] | 14.5 [4.2] | 13.0 [3.8] | 11.2 [3.3] |
| | Power [kW] | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.5 |

| SAGL-024TA+SHSL-HM3017/SHLL-HM3017 | | | | | | | | | | |
|---|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR ⊖ | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | |
| | | 770 [363] 0.12 | 700 [330] 0.14 | 600 [283] 0.18 | 770 [363] 0.12 | 700 [330] 0.14 | 600 [283] 0.18 | 770 [363] 0.12 | 700 [330] 0.14 | 600 [283] 0.18 |
| 75°F [23.9°C] | Total BTUH [kW] | 25.4 [7.5] | 24.7 [7.2] | 23.8 [7.0] | 24.1 [7.1] | 23.5 [6.9] | 22.7 [6.6] | 23.0 [6.7] | 22.3 [6.5] | 21.4 [6.3] |
| | Sens BTUH [kW] | 15.1 [4.4] | 13.4 [3.9] | 11.5 [3.4] | 18.1 [5.3] | 16.2 [4.7] | 14.3 [4.2] | 20.8 [6.1] | 18.7 [5.5] | 17.0 [5.0] |
| | Power [kW] | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 80°F [26.7°C] | Total BTUH [kW] | 25.1 [7.4] | 24.5 [7.2] | 23.6 [6.9] | 23.8 [7] | 23.1 [6.8] | 22.3 [6.5] | 22.6 [6.6] | 22.0 [6.4] | 21.1 [6.2] |
| | Sens BTUH [kW] | 15.0 [4.4] | 13.4 [3.9] | 11.5 [3.4] | 18.0 [5.3] | 16.1 [4.7] | 14.2 [4.2] | 20.7 [6.1] | 18.7 [5.5] | 17.0 [5.0] |
| | Power [kW] | 1.4 | 1.3 | 1.3 | 1.4 | 1.3 | 1.3 | 1.4 | 1.3 | 1.3 |
| 85°F [29.4°C] | Total BTUH [kW] | 24.7 [7.2] | 24.0 [7] | 23.1 [6.8] | 23.4 [6.9] | 22.8 [6.7] | 22.0 [6.4] | 22.2 [6.5] | 21.6 [6.3] | 20.7 [6.1] |
| | Sens BTUH [kW] | 14.9 [4.4] | 13.2 [3.9] | 11.3 [3.3] | 17.9 [5.2] | 16.1 [4.7] | 14.2 [4.2] | 20.6 [6] | 18.6 [5.4] | 16.9 [4.9] |
| | Power [kW] | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 |
| 90°F [32.2°C] | Total BTUH [kW] | 24.2 [7.1] | 23.6 [6.9] | 22.7 [6.6] | 23.0 [6.7] | 22.3 [6.5] | 21.5 [6.3] | 21.7 [6.4] | 21.2 [6.2] | 20.3 [5.9] |
| | Sens BTUH [kW] | 14.6 [4.3] | 13.0 [3.8] | 11.1 [3.3] | 17.7 [5.2] | 15.9 [4.7] | 14.0 [4.1] | 20.3 [5.9] | 18.4 [5.4] | 16.7 [4.9] |
| | Power [kW] | 1.4 | 1.5 | 1.5 | 1.4 | 1.4 | 1.4 | 1.5 | 1.4 | 1.4 |
| 95°F [35.0°C] | Total BTUH [kW] | 23.7 [6.9] | 23.0 [6.8] | 22.1 [6.5] | 22.3 [6.5] | 21.8 [6.4] | 21.0 [6.2] | 21.2 [6.2] | 20.6 [6.1] | 19.7 [5.8] |
| | Sens BTUH [kW] | 14.5 [4.2] | 12.8 [3.8] | 10.9 [3.2] | 17.3 [5.1] | 15.6 [4.6] | 13.7 [4.0] | 20.1 [5.9] | 18.2 [5.3] | 16.5 [4.8] |
| | Power [kW] | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100°F [37.8°C] | Total BTUH [kW] | 23.0 [6.8] | 22.4 [6.6] | 21.5 [6.3] | 21.7 [6.4] | 21.2 [6.2] | 20.4 [6.0] | 20.6 [6] | 20.0 [5.9] | 19.1 [5.6] |
| | Sens BTUH [kW] | 14.1 [4.1] | 12.4 [3.6] | 10.5 [3.1] | 17.0 [5] | 15.3 [4.5] | 13.4 [3.9] | 19.7 [5.8] | 17.8 [5.2] | 16.1 [4.7] |
| | Power [kW] | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 105°F [40.6°C] | Total BTUH [kW] | 22.4 [6.6] | 21.8 [6.4] | 20.9 [6.1] | 21.1 [6.2] | 20.5 [6] | 19.7 [5.8] | 19.9 [5.8] | 19.4 [5.7] | 18.5 [5.4] |
| | Sens BTUH [kW] | 13.8 [4] | 12.3 [3.6] | 10.4 [3.0] | 16.7 [4.9] | 14.8 [4.3] | 12.9 [3.8] | 19.4 [5.7] | 17.5 [5.1] | 15.8 [4.6] |
| | Power [kW] | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.6 |
| 110°F [43.3°C] | Total BTUH [kW] | 21.6 [6.3] | 21.1 [6.2] | 20.2 [5.9] | 20.3 [5.9] | 19.8 [5.8] | 19.0 [5.6] | 19.1 [5.6] | 18.6 [5.5] | 17.7 [5.2] |
| | Sens BTUH [kW] | 13.2 [3.9] | 11.8 [3.5] | 9.9 [2.9] | 16.2 [4.7] | 14.5 [4.3] | 12.6 [3.7] | 18.9 [5.5] | 17.0 [5] | 15.3 [4.5] |
| | Power [kW] | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.7 |
| 115°F [46.1°C] | Total BTUH [kW] | 20.8 [6.1] | 20.3 [5.9] | 19.4 [5.7] | 19.5 [5.7] | 19.0 [5.6] | 18.2 [5.3] | 18.3 [5.4] | 17.8 [5.2] | 16.9 [5.0] |
| | Sens BTUH [kW] | 12.7 [3.7] | 11.3 [3.3] | 9.4 [2.8] | 15.7 [4.6] | 14.1 [4.1] | 12.2 [3.6] | 18.3 [5.4] | 16.6 [4.9] | 14.9 [4.4] |
| | Power [kW] | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 |
| 120°F [48.9°C] | Total BTUH [kW] | 20.0 [5.9] | 19.5 [5.7] | 18.6 [5.5] | 18.7 [5.5] | 18.2 [5.3] | 17.4 [5.1] | 17.5 [5.1] | 17.0 [4.9] | 16.1 [4.7] |
| | Sens BTUH [kW] | 12.3 [3.6] | 10.8 [3.2] | 8.9 [2.6] | 15.2 [4.5] | 13.6 [3.9] | 11.7 [3.4] | 17.5 [5.1] | 16.1 [4.7] | 14.4 [4.2] |
| | Power [kW] | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 |

POWER KW = COMP. INPUT K.W.

NOTE: (1) WHEN THE ENTERING AIR INDOOR DRY BULB IS OTHER THAN 80°F[26.7°C], ADJUST THE SENSIBLE CAPACITY FROM THE TABLE BY ADDING [(1.10 X CFM X (1 - DR) X (dbE - 80))]

[] Designates Metric Conversions



GROSS PERFORMANCE DATA

| SAGL-030TA+SHSL-HM3017/SHLL-HM3017 | | | | | | | | | | | |
|---|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|--|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR @ | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| | | 880 [415] 0.01 | 800 [377] 0.03 | 680 [320] 0.07 | 880 [415] 0.01 | 800 [377] 0.03 | 680 [320] 0.07 | 880 [415] 0.01 | 800 [377] 0.03 | 680 [320] 0.07 | |
| 75°F [23.9°C] | Total BTUH [kW] | 30.2 [8.8] | 29.4 [8.6] | 28.4 [8.3] | 28.8 [8.4] | 28.0 [8.2] | 27.0 [7.9] | 27.4 [8] | 26.7 [7.8] | 25.8 [7.6] | |
| | Sens BTUH [kW] | 18.1 [5.3] | 16.1 [4.7] | 13.9 [4.1] | 21.6 [6.3] | 19.3 [5.7] | 16.8 [4.9] | 24.2 [7.1] | 21.8 [6.4] | 19.2 [5.6] | |
| | Power [kW] | 1.4 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | |
| 80°F [26.7°C] | Total BTUH [kW] | 29.6 [8.7] | 28.9 [8.5] | 27.9 [8.2] | 28.3 [8.3] | 27.5 [8.1] | 26.5 [7.8] | 27.0 [7.9] | 26.2 [7.7] | 25.3 [7.4] | |
| | Sens BTUH [kW] | 17.9 [5.2] | 15.9 [4.7] | 13.7 [4.0] | 21.4 [6.3] | 19.1 [5.6] | 16.6 [4.9] | 24.1 [7.1] | 21.6 [6.3] | 19.0 [5.6] | |
| | Power [kW] | 1.5 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | |
| 85°F [29.4°C] | Total BTUH [kW] | 29.1 [8.5] | 28.4 [8.3] | 27.4 [8.0] | 27.7 [8.1] | 27.0 [7.9] | 26.0 [7.6] | 26.4 [7.7] | 25.7 [7.5] | 24.8 [7.3] | |
| | Sens BTUH [kW] | 17.8 [5.2] | 15.8 [4.6] | 13.6 [4.0] | 21.2 [6.2] | 19.1 [5.6] | 16.6 [4.9] | 23.9 [7] | 21.6 [6.3] | 19.0 [5.6] | |
| | Power [kW] | 1.6 | 1.5 | 1.5 | 1.6 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | |
| 90°F [32.2°C] | Total BTUH [kW] | 28.5 [8.4] | 27.8 [8.1] | 26.8 [7.8] | 27.1 [7.9] | 26.3 [7.7] | 25.3 [7.4] | 25.8 [7.6] | 25.0 [7.3] | 24.1 [7.1] | |
| | Sens BTUH [kW] | 17.5 [5.1] | 15.6 [4.6] | 13.4 [3.9] | 20.9 [6.1] | 18.8 [5.5] | 16.3 [4.8] | 23.6 [6.9] | 21.3 [6.2] | 18.7 [5.5] | |
| | Power [kW] | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | |
| 95°F [35.0°C] | Total BTUH [kW] | 27.8 [8.2] | 27.1 [7.9] | 26.1 [7.6] | 26.4 [7.7] | 25.7 [7.5] | 24.7 [7.2] | 25.1 [7.4] | 24.4 [7.2] | 23.5 [6.9] | |
| | Sens BTUH [kW] | 17.2 [5] | 15.3 [4.5] | 13.1 [3.8] | 20.6 [6] | 18.5 [5.4] | 16.0 [4.7] | 23.4 [6.9] | 21.1 [6.2] | 18.5 [5.4] | |
| | Power [kW] | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | |
| 100°F [37.8°C] | Total BTUH [kW] | 27.1 [7.9] | 26.3 [7.7] | 25.3 [7.4] | 25.6 [7.5] | 24.9 [7.3] | 23.9 [7.0] | 24.3 [7.1] | 23.6 [6.9] | 22.7 [6.7] | |
| | Sens BTUH [kW] | 16.8 [4.9] | 14.9 [4.4] | 12.7 [3.7] | 20.2 [5.9] | 18.2 [5.3] | 15.7 [4.6] | 23.0 [6.7] | 20.7 [6.1] | 18.1 [5.3] | |
| | Power [kW] | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 105°F [40.6°C] | Total BTUH [kW] | 26.2 [7.7] | 25.5 [7.5] | 24.5 [7.2] | 24.8 [7.3] | 24.2 [7.1] | 23.2 [6.8] | 23.6 [6.9] | 22.9 [6.7] | 22.0 [6.4] | |
| | Sens BTUH [kW] | 16.3 [4.8] | 14.5 [4.2] | 12.3 [3.6] | 19.8 [5.8] | 17.8 [5.2] | 15.3 [4.5] | 22.5 [6.6] | 20.2 [5.9] | 17.6 [5.2] | |
| | Power [kW] | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.8 | |
| 110°F [43.3°C] | Total BTUH [kW] | 25.4 [7.4] | 24.7 [7.2] | 23.7 [6.9] | 24.0 [7] | 23.3 [6.8] | 22.3 [6.5] | 22.6 [6.6] | 22.0 [6.5] | 21.1 [6.2] | |
| | Sens BTUH [kW] | 15.9 [4.7] | 14.1 [4.1] | 11.9 [3.5] | 19.4 [5.7] | 17.4 [5.1] | 14.9 [4.4] | 22.0 [6.4] | 19.9 [5.8] | 17.3 [5.1] | |
| | Power [kW] | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 1.9 | |
| 115°F [46.1°C] | Total BTUH [kW] | 24.5 [7.2] | 23.8 [7] | 22.8 [6.7] | 23.0 [6.8] | 22.4 [6.6] | 21.4 [6.3] | 21.8 [6.4] | 21.2 [6.2] | 20.3 [5.9] | |
| | Sens BTUH [kW] | 15.4 [4.5] | 13.6 [4] | 11.4 [3.3] | 18.8 [5.5] | 16.8 [4.9] | 14.3 [4.2] | 21.5 [6.3] | 19.4 [5.7] | 16.8 [4.9] | |
| | Power [kW] | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.0 | |
| 120°F [48.9°C] | Total BTUH [kW] | 23.6 [6.9] | 23.0 [6.7] | 22.0 [6.4] | 22.1 [6.5] | 21.6 [6.3] | 20.6 [6.0] | 20.9 [6.1] | 20.3 [5.9] | 19.4 [5.7] | |
| | Sens BTUH [kW] | 14.8 [4.3] | 13.1 [3.8] | 10.9 [3.2] | 18.2 [5.3] | 16.3 [4.8] | 13.8 [4.0] | 20.9 [6.1] | 18.8 [5.5] | 16.2 [4.7] | |
| | Power [kW] | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | |

| SAGL-036NA/TA+SHSL-HM4217/SHLL-HM4217 | | | | | | | | | | | |
|---|--------------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|----------------|--|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR @ | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| | | 1100 [519] 0.13 | 1000 [471] 0.15 | 850 [401] 0.18 | 1100 [519] 0.13 | 1000 [471] 0.15 | 850 [401] 0.18 | 1100 [519] 0.13 | 1000 [471] 0.15 | 850 [401] 0.18 | |
| 75°F [23.9°C] | Total BTUH [kW] | 36.0 [10.5] | 34.9 [10.2] | 33.5 [9.8] | 34.1 [10] | 33.2 [9.7] | 32.1 [9.4] | 32.2 [9.4] | 31.3 [9.2] | 30.2 [8.8] | |
| | Sens BTUH [kW] | 22.0 [6.4] | 19.3 [5.7] | 16.5 [4.8] | 25.8 [7.6] | 23.1 [6.8] | 20.3 [5.9] | 29.2 [8.6] | 26.3 [7.7] | 23.2 [6.8] | |
| | Power [kW] | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | |
| 80°F [26.7°C] | Total BTUH [kW] | 35.6 [10.4] | 34.7 [10.2] | 33.3 [9.8] | 33.8 [9.9] | 32.9 [9.6] | 31.8 [9.3] | 31.9 [9.3] | 31.0 [9.1] | 29.9 [8.8] | |
| | Sens BTUH [kW] | 21.9 [6.4] | 19.3 [5.7] | 16.5 [4.8] | 25.9 [7.6] | 23.1 [6.8] | 20.3 [5.9] | 29.2 [8.6] | 26.3 [7.7] | 23.2 [6.8] | |
| | Power [kW] | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | |
| 85°F [29.4°C] | Total BTUH [kW] | 35.2 [10.3] | 34.2 [10] | 32.8 [9.6] | 33.4 [9.8] | 32.4 [9.5] | 31.3 [9.2] | 31.5 [9.2] | 30.6 [9] | 29.5 [8.6] | |
| | Sens BTUH [kW] | 21.8 [6.4] | 19.2 [5.6] | 16.4 [4.8] | 25.8 [7.6] | 23.0 [6.7] | 20.2 [5.9] | 29.1 [8.5] | 26.2 [7.7] | 23.1 [6.8] | |
| | Power [kW] | 1.9 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | |
| 90°F [32.2°C] | Total BTUH [kW] | 34.7 [10.2] | 33.7 [9.9] | 32.3 [9.5] | 32.8 [9.6] | 31.9 [9.3] | 30.8 [9.0] | 30.9 [9] | 30.0 [8.8] | 28.9 [8.5] | |
| | Sens BTUH [kW] | 21.7 [6.4] | 19.2 [5.6] | 16.4 [4.8] | 25.5 [7.5] | 22.9 [6.7] | 20.1 [5.9] | 29.0 [8.5] | 26.1 [7.6] | 23.0 [6.7] | |
| | Power [kW] | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | |
| 95°F [35.0°C] | Total BTUH [kW] | 33.9 [9.9] | 33.0 [9.7] | 31.6 [9.3] | 32.1 [9.4] | 31.2 [9.1] | 30.1 [8.8] | 30.2 [8.8] | 29.3 [8.6] | 28.2 [8.3] | |
| | Sens BTUH [kW] | 21.3 [6.2] | 19.0 [5.6] | 16.2 [4.7] | 25.3 [7.4] | 22.7 [6.7] | 19.9 [5.8] | 28.7 [8.4] | 25.8 [7.6] | 22.7 [6.6] | |
| | Power [kW] | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | |
| 100°F [37.8°C] | Total BTUH [kW] | 33.1 [9.7] | 32.2 [9.4] | 30.8 [9.0] | 31.2 [9.1] | 30.3 [8.9] | 29.2 [8.6] | 29.3 [8.6] | 28.5 [8.4] | 27.4 [8.0] | |
| | Sens BTUH [kW] | 21.0 [6.2] | 18.6 [5.4] | 15.8 [4.6] | 24.8 [7.3] | 22.2 [6.5] | 19.4 [5.7] | 28.3 [8.3] | 25.5 [7.5] | 22.4 [6.6] | |
| | Power [kW] | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | |
| 105°F [40.6°C] | Total BTUH [kW] | 32.1 [9.4] | 31.2 [9.1] | 29.8 [8.7] | 30.2 [8.9] | 29.4 [8.6] | 28.3 [8.3] | 28.3 [8.3] | 27.5 [8.1] | 26.4 [7.8] | |
| | Sens BTUH [kW] | 20.5 [6] | 18.1 [5.3] | 15.3 [4.5] | 24.4 [7.1] | 21.8 [6.4] | 19.0 [5.6] | 27.8 [8.2] | 25.1 [7.4] | 22.0 [6.5] | |
| | Power [kW] | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | 2.4 | 2.3 | 2.3 | |
| 110°F [43.3°C] | Total BTUH [kW] | 30.9 [9.1] | 30.1 [8.8] | 28.7 [8.4] | 29.1 [8.5] | 28.3 [8.3] | 27.2 [8.0] | 27.2 [8] | 26.4 [7.7] | 25.3 [7.4] | |
| | Sens BTUH [kW] | 19.8 [5.8] | 17.6 [5.1] | 14.8 [4.3] | 23.8 [7] | 21.4 [6.3] | 18.6 [5.4] | 27.2 [8] | 24.6 [7.2] | 21.5 [6.3] | |
| | Power [kW] | 2.6 | 2.5 | 2.5 | 2.6 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | |
| 115°F [46.1°C] | Total BTUH [kW] | 29.7 [8.7] | 28.9 [8.5] | 27.5 [8.0] | 27.8 [8.2] | 27.0 [7.9] | 25.9 [7.6] | 25.9 [7.6] | 25.2 [7.4] | 24.1 [7.1] | |
| | Sens BTUH [kW] | 19.2 [5.6] | 17.0 [5] | 14.2 [4.2] | 23.1 [6.8] | 20.6 [6.1] | 17.8 [5.2] | 25.9 [7.6] | 24.0 [7] | 20.9 [6.1] | |
| | Power [kW] | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | |
| 120°F [48.9°C] | Total BTUH [kW] | 28.5 [8.4] | 27.6 [8.1] | 26.2 [7.7] | 26.5 [7.7] | 25.7 [7.5] | 24.6 [7.2] | 24.6 [7.2] | 24.0 [7.0] | 22.9 [6.7] | |
| | Sens BTUH [kW] | 18.7 [5.5] | 16.4 [4.8] | 13.6 [4.0] | 22.3 [6.5] | 19.9 [7.8] | 17.1 [5.0] | 24.6 [7.2] | 23.4 [6.9] | 20.3 [5.9] | |
| | Power [kW] | 2.8 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | |

POWER KW = COMP. INPUT K.W.

[] Designates Metric Conversions

NOTE: (1) WHEN THE ENTERING AIR INDOOR DRY BULB IS OTHER THAN 80°F [26.7°C], ADJUST THE SENSIBLE CAPACITY FROM THE TABLE BY ADDING [1.10 X CFM X (1 - DR) X (dbE - 80)]





GROSS PERFORMANCE DATA

| SAGL-042NA/TA+SHSL-HM4217/SHLL-HM4217 | | | | | | | | | | | |
|---|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR @ | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| | | 1320 [623] 0.11 | 1200 [866] 0.13 | 1020 [481] 0.16 | 1320 [623] 0.11 | 1200 [866] 0.13 | 1020 [481] 0.16 | 1320 [623] 0.11 | 1200 [866] 0.13 | 1020 [481] 0.16 | |
| 75°F [23.9°C] | Total BTUH [kW] | 42.2 [12.4] | 41.0 [12] | 39.7 [11.6] | 40.3 [11.8] | 39.2 [11.5] | 37.9 [11.1] | 38.3 [11.2] | 37.2 [10.9] | 36.0 [10.6] | |
| | Sens BTUH [kW] | 26.1 [7.7] | 23.1 [6.8] | 20.0 [5.9] | 31.1 [9.1] | 27.8 [8.1] | 25.4 [7.4] | 35.2 [10.3] | 31.7 [9.3] | 28.1 [8.2] | |
| | Power [kW] | 2.1 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | |
| 80°F [26.7°C] | Total BTUH [kW] | 41.3 [12.1] | 40.2 [11.8] | 38.9 [11.4] | 39.5 [11.6] | 38.3 [11.2] | 37.0 [10.9] | 37.4 [11] | 36.4 [10.7] | 35.2 [10.3] | |
| | Sens BTUH [kW] | 25.8 [7.5] | 22.8 [6.7] | 19.7 [5.8] | 30.7 [9] | 27.5 [8.1] | 25.1 [7.4] | 34.9 [10.2] | 31.4 [9.2] | 27.8 [8.1] | |
| | Power [kW] | 2.1 | 2.1 | 2.1 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | |
| 85°F [29.4°C] | Total BTUH [kW] | 40.5 [11.9] | 39.4 [11.5] | 38.1 [11.2] | 38.6 [11.3] | 37.5 [11] | 36.2 [10.6] | 36.6 [10.7] | 35.5 [10.4] | 34.3 [10.1] | |
| | Sens BTUH [kW] | 25.4 [7.4] | 22.5 [6.6] | 19.4 [5.7] | 30.4 [8.9] | 27.1 [8] | 24.7 [7.3] | 34.5 [10.1] | 31.0 [9.1] | 27.4 [8.0] | |
| | Power [kW] | 2.3 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | |
| 90°F [32.2°C] | Total BTUH [kW] | 39.5 [11.6] | 38.5 [11.3] | 37.2 [10.9] | 37.7 [11] | 36.6 [10.7] | 35.3 [10.4] | 35.6 [10.4] | 34.7 [10.2] | 33.5 [9.8] | |
| | Sens BTUH [kW] | 24.9 [7.3] | 22.2 [6.5] | 19.1 [5.6] | 29.9 [8.8] | 26.8 [7.8] | 24.4 [7.1] | 34.0 [10] | 30.7 [9] | 27.1 [7.9] | |
| | Power [kW] | 2.5 | 2.5 | 2.5 | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | |
| 95°F [35.0°C] | Total BTUH [kW] | 38.6 [11.3] | 37.6 [11] | 36.3 [10.6] | 36.7 [10.8] | 35.7 [10.5] | 34.4 [10.1] | 34.7 [10.2] | 33.7 [9.9] | 32.5 [9.5] | |
| | Sens BTUH [kW] | 24.6 [7.2] | 21.8 [6.4] | 18.7 [5.5] | 29.5 [8.7] | 26.4 [7.7] | 24.0 [7.0] | 33.7 [9.9] | 30.4 [8.9] | 26.8 [7.8] | |
| | Power [kW] | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.3 | 2.3 | |
| 100°F [37.8°C] | Total BTUH [kW] | 37.7 [11] | 36.6 [10.7] | 35.3 [10.4] | 35.8 [10.5] | 34.8 [10.2] | 33.5 [9.8] | 33.7 [9.9] | 32.8 [9.6] | 31.6 [9.3] | |
| | Sens BTUH [kW] | 24.2 [7.1] | 21.4 [6.3] | 18.3 [5.4] | 29.2 [8.5] | 26.1 [7.7] | 23.7 [7.0] | 33.2 [9.7] | 29.9 [8.8] | 26.3 [7.7] | |
| | Power [kW] | 2.7 | 2.7 | 2.7 | 2.7 | 2.7 | 2.6 | 2.7 | 2.6 | 2.6 | |
| 105°F [40.6°C] | Total BTUH [kW] | 36.6 [10.7] | 35.6 [10.4] | 34.3 [10.1] | 34.7 [10.2] | 33.7 [9.9] | 32.4 [9.5] | 32.7 [9.6] | 31.8 [9.3] | 30.6 [9.0] | |
| | Sens BTUH [kW] | 23.7 [7] | 21.1 [6.2] | 18.0 [5.3] | 28.6 [8.4] | 25.7 [7.5] | 23.3 [6.8] | 32.7 [9.6] | 29.5 [8.7] | 25.9 [7.6] | |
| | Power [kW] | 2.9 | 2.9 | 2.9 | 2.9 | 2.8 | 2.8 | 2.9 | 2.7 | 2.7 | |
| 110°F [43.3°C] | Total BTUH [kW] | 35.5 [10.4] | 34.6 [10.1] | 33.3 [9.8] | 33.7 [9.9] | 32.7 [9.6] | 31.4 [9.2] | 31.6 [9.3] | 30.7 [9] | 29.5 [8.7] | |
| | Sens BTUH [kW] | 23.2 [6.8] | 20.6 [6] | 17.5 [5.1] | 28.1 [8.2] | 25.2 [7.4] | 22.8 [6.7] | 31.6 [9.3] | 29.2 [8.5] | 25.6 [7.5] | |
| | Power [kW] | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.1 | 3.0 | 3.0 | |
| 115°F [46.1°C] | Total BTUH [kW] | 34.4 [10.1] | 33.5 [9.8] | 32.2 [9.4] | 32.5 [9.5] | 31.7 [9.3] | 30.4 [8.9] | 30.5 [8.9] | 29.6 [8.7] | 28.4 [8.3] | |
| | Sens BTUH [kW] | 22.7 [6.7] | 20.1 [5.9] | 17.0 [5.0] | 27.7 [8.1] | 24.9 [7.3] | 22.5 [6.6] | 30.5 [8.9] | 28.7 [8.4] | 25.1 [7.4] | |
| | Power [kW] | 3.3 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | |
| 120°F [48.9°C] | Total BTUH [kW] | 33.3 [9.8] | 32.4 [9.5] | 31.1 [9.1] | 31.4 [9.2] | 30.7 [9.0] | 29.4 [8.6] | 29.4 [8.6] | 28.5 [8.4] | 27.3 [8.0] | |
| | Sens BTUH [kW] | 22.3 [6.5] | 19.7 [5.8] | 16.6 [4.9] | 27.2 [8.0] | 24.7 [7.2] | 22.3 [6.5] | 29.4 [8.6] | 28.2 [8.3] | 24.6 [7.2] | |
| | Power [kW] | 3.5 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 | 3.4 | 3.4 | |

| SAGL-048NA+SHSL-HM6021/SHLL-HM6021 | | | | | | | | | | | |
|---|--------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR @ | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| | | 1540 [727] 0.14 | 1400 [660] 0.16 | 1190 [562] 0.19 | 1540 [727] 0.14 | 1400 [660] 0.16 | 1190 [562] 0.19 | 1540 [727] 0.14 | 1400 [660] 0.16 | 1190 [562] 0.19 | |
| 75°F [23.9°C] | Total BTUH [kW] | 49.6 [14.5] | 48.3 [14.2] | 46.9 [13.8] | 47.2 [13.8] | 45.9 [13.4] | 44.4 [13.0] | 44.3 [13] | 43.1 [12.6] | 41.7 [12.2] | |
| | Sens BTUH [kW] | 31.3 [9.2] | 27.8 [8.1] | 24.2 [7.1] | 37.3 [10.9] | 33.3 [9.8] | 29.2 [8.5] | 41.9 [12.3] | 37.7 [11] | 33.5 [9.8] | |
| | Power [kW] | 2.2 | 2.2 | 2.2 | 2.2 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | |
| 80°F [26.7°C] | Total BTUH [kW] | 48.7 [14.3] | 47.4 [13.9] | 46.0 [13.5] | 46.1 [13.5] | 44.9 [13.2] | 43.4 [12.7] | 43.4 [12.7] | 42.1 [12.4] | 40.7 [11.9] | |
| | Sens BTUH [kW] | 30.9 [9.1] | 27.4 [8] | 23.8 [7.0] | 36.7 [10.8] | 32.9 [9.6] | 28.8 [8.4] | 41.4 [12.1] | 37.2 [10.9] | 33.0 [9.7] | |
| | Power [kW] | 2.4 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 | |
| 85°F [29.4°C] | Total BTUH [kW] | 47.6 [14] | 46.3 [13.6] | 44.9 [13.2] | 45.1 [13.2] | 43.9 [12.9] | 42.4 [12.4] | 42.3 [12.4] | 41.1 [12] | 39.7 [11.6] | |
| | Sens BTUH [kW] | 30.4 [8.9] | 26.9 [7.9] | 23.3 [6.8] | 36.2 [10.6] | 32.4 [9.5] | 28.3 [8.3] | 40.9 [12] | 36.8 [10.8] | 32.6 [9.6] | |
| | Power [kW] | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.4 | 2.4 | |
| 90°F [32.2°C] | Total BTUH [kW] | 46.5 [13.6] | 45.3 [13.3] | 43.9 [12.9] | 44.1 [12.9] | 42.8 [12.6] | 41.3 [12.1] | 41.2 [12.1] | 40.1 [11.7] | 38.7 [11.3] | |
| | Sens BTUH [kW] | 29.8 [8.7] | 26.5 [7.8] | 22.9 [6.7] | 35.8 [10.5] | 32.0 [9.4] | 27.9 [8.2] | 40.4 [11.9] | 36.4 [10.7] | 32.2 [9.4] | |
| | Power [kW] | 2.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 | |
| 95°F [35.0°C] | Total BTUH [kW] | 45.4 [13.3] | 44.1 [12.9] | 42.7 [12.5] | 42.9 [12.6] | 41.8 [12.3] | 40.3 [11.8] | 40.1 [11.7] | 39.0 [11.4] | 37.6 [11.0] | |
| | Sens BTUH [kW] | 29.4 [8.6] | 26.0 [7.6] | 22.4 [6.6] | 35.3 [10.4] | 31.7 [9.3] | 27.6 [8.1] | 39.8 [11.7] | 35.9 [10.5] | 31.7 [9.3] | |
| | Power [kW] | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.7 | 2.8 | 2.7 | 2.7 | |
| 100°F [37.8°C] | Total BTUH [kW] | 44.2 [13] | 43.0 [12.6] | 41.6 [12.2] | 41.8 [12.3] | 40.7 [11.9] | 39.2 [11.5] | 38.9 [11.4] | 37.9 [11.1] | 36.5 [10.7] | |
| | Sens BTUH [kW] | 28.9 [8.5] | 25.5 [7.5] | 21.9 [6.4] | 34.8 [10.2] | 31.2 [9.1] | 27.1 [7.9] | 38.9 [11.4] | 35.6 [10.4] | 31.4 [9.2] | |
| | Power [kW] | 3.1 | 3.0 | 3.0 | 3.1 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | |
| 105°F [40.6°C] | Total BTUH [kW] | 43.1 [12.6] | 41.9 [12.3] | 40.5 [11.9] | 40.6 [11.9] | 39.5 [11.6] | 38.0 [11.1] | 37.8 [11.1] | 36.8 [10.8] | 35.4 [10.4] | |
| | Sens BTUH [kW] | 28.5 [8.3] | 25.2 [7.4] | 21.6 [6.3] | 34.3 [10] | 30.6 [9] | 26.5 [7.8] | 37.8 [11.1] | 35.1 [10.3] | 30.9 [9.1] | |
| | Power [kW] | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.1 | 3.1 | |
| 110°F [43.3°C] | Total BTUH [kW] | 41.9 [12.3] | 40.8 [11.9] | 39.4 [11.5] | 39.4 [11.5] | 38.3 [11.2] | 36.8 [10.8] | 36.6 [10.7] | 35.5 [10.4] | 34.1 [10.0] | |
| | Sens BTUH [kW] | 28.0 [8.2] | 24.8 [7.3] | 21.2 [6.2] | 33.8 [9.9] | 30.3 [8.9] | 26.2 [7.7] | 36.6 [10.7] | 34.6 [10.2] | 30.4 [8.9] | |
| | Power [kW] | 3.5 | 3.5 | 3.5 | 3.5 | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | |
| 115°F [46.1°C] | Total BTUH [kW] | 40.6 [11.9] | 39.5 [11.6] | 38.1 [11.2] | 38.2 [11.2] | 37.1 [10.9] | 35.6 [10.4] | 35.3 [10.3] | 34.3 [10.1] | 32.9 [9.7] | |
| | Sens BTUH [kW] | 27.5 [8.1] | 24.3 [7.1] | 20.7 [6.1] | 33.4 [9.8] | 29.9 [8.8] | 25.8 [7.6] | 35.3 [10.3] | 34.3 [10.1] | 30.1 [8.8] | |
| | Power [kW] | 3.7 | 3.6 | 3.6 | 3.7 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | |
| 120°F [48.9°C] | Total BTUH [kW] | 39.3 [11.5] | 38.2 [11.2] | 36.8 [10.7] | 36.9 [10.8] | 35.9 [10.5] | 34.4 [10.0] | 34.0 [9.9] | 33.1 [9.7] | 31.7 [9.3] | |
| | Sens BTUH [kW] | 27.0 [7.9] | 23.8 [6.9] | 20.2 [5.9] | 33.0 [9.7] | 29.5 [8.6] | 25.4 [7.4] | 34.0 [9.9] | 33.1 [9.7] | 29.9 [8.8] | |
| | Power [kW] | 3.9 | 3.7 | 3.7 | 3.8 | 3.7 | 3.7 | 3.7 | 3.7 | 3.7 | |

POWER KW = COMP. INPUT K.W.

[] Designates Metric Conversions

NOTE: (1) WHEN THE ENTERING AIR INDOOR DRY BULB IS OTHER THAN 80°F[26.7°C], ADJUST THE SENSIBLE CAPACITY FROM THE TABLE BY ADDING [1.10 X CFM X (1 - DR) X (dbE - 80)]



GROSS PERFORMANCE CHART

| SAGL-060NA+SHSL-HM6021/SHLL-HM6021 | | | | | | | | | | | |
|---|--------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR Ø | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| | | 1750 [826] 0.16 | 1650 [779] 0.18 | 1500 [708] 0.23 | 1750 [826] 0.16 | 1650 [779] 0.18 | 1500 [708] 0.23 | 1750 [826] 0.16 | 1650 [779] 0.18 | 1500 [708] 0.23 | |
| 75°F [23.9°C] | Total BTUH [kW] | 65.8 [19.3] | 65.1 [19.1] | 64 [18.7] | 62.1 [18.2] | 61.4 [18] | 60.4 [17.7] | 58.8 [17.2] | 58.1 [17] | 57.2 [16.8] | |
| | Sens BTUH [kW] | 38.8 [11.4] | 37.8 [11.1] | 36.2 [10.6] | 45.4 [13.3] | 44.2 [12.9] | 42.3 [12.4] | 52.3 [15.3] | 50.8 [14.9] | 48.7 [14.3] | |
| | Power | 3.4 | 3.4 | 3.4 | 3.4 | 3.4 | 3.3 | 3.4 | 3.3 | 3.3 | |
| 80°F [26.7°C] | Total BTUH [kW] | 64.6 [18.9] | 63.9 [18.7] | 62.8 [18.4] | 60.9 [17.8] | 60.2 [17.7] | 59.2 [17.4] | 57.6 [16.9] | 57 [16.7] | 56 [16.4] | |
| | Sens BTUH [kW] | 38.3 [11.2] | 37.2 [10.9] | 35.7 [10.4] | 44.9 [13.2] | 43.7 [12.8] | 41.8 [12.3] | 51.7 [15.2] | 50.3 [14.7] | 48.2 [14.1] | |
| | Power | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.5 | |
| 85°F [29.4°C] | Total BTUH [kW] | 63.3 [18.5] | 62.6 [18.3] | 61.5 [18] | 59.6 [17.5] | 58.9 [17.3] | 57.9 [17] | 56.3 [16.5] | 55.6 [16.3] | 54.7 [16] | |
| | Sens BTUH [kW] | 37.7 [11] | 36.6 [10.7] | 35.1 [10.3] | 44.3 [13] | 43.1 [12.6] | 41.2 [12.1] | 51.1 [15] | 49.7 [14.6] | 47.6 [13.9] | |
| | Power | 3.9 | 3.9 | 3.8 | 3.9 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | |
| 90°F [32.2°C] | Total BTUH [kW] | 61.7 [18.1] | 61.1 [17.9] | 60.1 [17.6] | 58 [17] | 57.4 [16.8] | 56.5 [16.5] | 54.7 [16] | 54.1 [15.9] | 53.2 [15.6] | |
| | Sens BTUH [kW] | 36.9 [10.8] | 35.9 [10.5] | 34.4 [10.1] | 43.5 [12.8] | 42.4 [12.4] | 40.6 [11.9] | 50.4 [14.8] | 49 [14.4] | 46.9 [13.8] | |
| | Power | 4.2 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 4 | |
| 95°F [35.0°C] | Total BTUH [kW] | 60.1 [17.6] | 59.4 [17.4] | 58.4 [17.1] | 56.4 [16.5] | 55.8 [16.3] | 54.8 [16.1] | 53.1 [15.5] | 52.5 [15.4] | 51.6 [15.1] | |
| | Sens BTUH [kW] | 36.1 [10.6] | 35.1 [10.3] | 33.6 [9.9] | 42.7 [12.5] | 41.6 [12.2] | 39.8 [11.7] | 49.6 [14.5] | 48.2 [14.1] | 46.2 [13.5] | |
| | Power | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.3 | 4.4 | 4.3 | 4.3 | |
| 100°F [37.8°C] | Total BTUH [kW] | 58.2 [17.1] | 57.6 [16.9] | 56.6 [16.6] | 54.5 [16] | 53.9 [15.8] | 53 [15.5] | 51.2 [15] | 50.7 [14.8] | 49.8 [14.6] | |
| | Sens BTUH [kW] | 35.2 [10.3] | 34.2 [10] | 32.8 [9.6] | 41.8 [12.3] | 40.7 [11.9] | 38.9 [11.4] | 48.7 [14.3] | 47.3 [13.9] | 45.3 [13.3] | |
| | Power | 4.7 | 4.7 | 4.7 | 4.7 | 4.7 | 4.6 | 4.7 | 4.6 | 4.6 | |
| 105°F [40.6°C] | Total BTUH [kW] | 56.2 [16.5] | 55.6 [16.3] | 54.7 [16] | 52.5 [15.4] | 51.9 [15.2] | 51.1 [15] | 49.2 [14.4] | 48.7 [14.3] | 47.9 [14] | |
| | Sens BTUH [kW] | 34.2 [10] | 33.3 [9.7] | 31.9 [9.3] | 40.8 [12] | 39.7 [11.6] | 38 [11.1] | 47.7 [14] | 46.3 [13.6] | 44.4 [13] | |
| | Power | 5.1 | 5 | 5 | 5 | 5 | 4.9 | 5 | 5 | 4.9 | |
| 110°F [43.3°C] | Total BTUH [kW] | 54 [15.8] | 53.4 [15.7] | 52.6 [15.4] | 50.3 [14.8] | 49.8 [14.6] | 49 [14.4] | 47 [13.8] | 46.5 [13.6] | 45.8 [13.4] | |
| | Sens BTUH [kW] | 33.1 [9.7] | 32.2 [9.4] | 30.8 [9] | 39.7 [11.6] | 38.6 [11.3] | 37 [10.8] | 46.6 [13.6] | 45.3 [13.3] | 43.4 [12.7] | |
| | Power | 5.4 | 5.4 | 5.3 | 5.4 | 5.3 | 5.3 | 5.3 | 5.3 | 5.2 | |
| 115°F [46.1°C] | Total BTUH [kW] | 51.7 [15.1] | 51.1 [15] | 50.3 [14.7] | 48 [14.1] | 47.5 [13.9] | 46.7 [13.7] | 44.7 [13.1] | 44.2 [13] | 43.5 [12.7] | |
| | Sens BTUH [kW] | 31.9 [9.3] | 31 [9.1] | 29.7 [8.7] | 38.5 [11.3] | 37.5 [11] | 35.9 [10.5] | 44.7 [13.1] | 44.1 [12.9] | 42.2 [12.4] | |
| | Power | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.7 | 5.6 | 5.6 | |
| 120°F [48.9°C] | Total BTUH [kW] | 49.2 [14.4] | 48.7 [14.3] | 47.8 [14] | 45.5 [13.3] | 45 [13.2] | 44.3 [13] | 42.2 [12.4] | 41.7 [12.2] | 41 [12] | |
| | Sens BTUH [kW] | 30.6 [9] | 29.8 [8.7] | 28.5 [8.4] | 37.2 [10.9] | 36.2 [10.6] | 34.7 [10.2] | 42.2 [12.4] | 41.7 [12.2] | 41 [12] | |
| | Power | 6.1 | 6.1 | 6 | 6.1 | 6.1 | 6 | 6 | 6 | 6 | |

| SAGL-060NA+SHLL-HM6524 | | | | | | | | | | | |
|---|--------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR Ø | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | | |
| | | 2050 [967] 0.16 | 1875 [885] 0.18 | 1750 [826] 0.23 | 2050 [967] 0.16 | 1875 [885] 0.18 | 1750 [826] 0.23 | 2050 [967] 0.16 | 1875 [885] 0.18 | 1750 [826] 0.23 | |
| 75°F [23.9°C] | Total BTUH [kW] | 71.2 [20.9] | 70.1 [20.5] | 69.2 [20.3] | 67.5 [19.8] | 66.4 [19.5] | 65.6 [19.2] | 64.2 [18.8] | 63.1 [18.5] | 62.4 [18.3] | |
| | Sens BTUH [kW] | 43.3 [12.7] | 41.5 [12.1] | 40.2 [11.8] | 50 [14.6] | 47.9 [14.5] | 46.4 [13.6] | 56.9 [16.7] | 54.5 [16] | 52.8 [15.5] | |
| | Power | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.7 | 3.8 | 3.7 | 3.7 | |
| 80°F [26.7°C] | Total BTUH [kW] | 70.1 [20.5] | 68.9 [20.2] | 68.1 [19.9] | 66.3 [19.4] | 65.2 [19.1] | 64.4 [18.9] | 63 [18.5] | 62 [18.2] | 61.2 [17.9] | |
| | Sens BTUH [kW] | 42.7 [12.5] | 40.9 [12] | 39.7 [11.6] | 49.4 [14.5] | 47.4 [13.9] | 45.9 [13.4] | 56.4 [16.5] | 54 [15.8] | 52.3 [15.3] | |
| | Power | 4.1 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3.9 | |
| 85°F [29.4°C] | Total BTUH [kW] | 68.7 [20.1] | 67.6 [19.8] | 66.7 [19.6] | 65 [19] | 63.9 [18.7] | 63.1 [18.5] | 61.7 [18.1] | 60.6 [17.8] | 59.9 [17.6] | |
| | Sens BTUH [kW] | 42.1 [12.3] | 40.3 [11.8] | 39.1 [11.5] | 48.8 [14.3] | 46.8 [13.7] | 45.3 [13.3] | 55.7 [16.3] | 53.4 [15.7] | 51.7 [15.2] | |
| | Power | 4.3 | 4.3 | 4.2 | 4.3 | 4.2 | 4.2 | 4.2 | 4.2 | 4.2 | |
| 90°F [32.2°C] | Total BTUH [kW] | 67.2 [19.7] | 66.1 [19.4] | 65.3 [19.1] | 63.5 [18.6] | 62.4 [18.3] | 61.7 [18.1] | 60.1 [17.6] | 59.1 [17.3] | 58.4 [17.1] | |
| | Sens BTUH [kW] | 41.4 [12.1] | 39.6 [11.6] | 38.4 [11.3] | 48.1 [14.1] | 46.1 [13.5] | 44.6 [13.1] | 55 [16.1] | 52.7 [15.4] | 51.1 [15] | |
| | Power | 4.6 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.5 | 4.4 | |
| 95°F [35.0°C] | Total BTUH [kW] | 65.5 [19.2] | 64.4 [18.9] | 63.6 [18.6] | 61.8 [18.1] | 60.8 [17.8] | 60 [17.6] | 58.5 [17.1] | 57.5 [16.8] | 56.8 [16.6] | |
| | Sens BTUH [kW] | 40.5 [11.9] | 38.8 [11.4] | 37.6 [11] | 47.2 [13.8] | 45.3 [13.3] | 43.8 [12.8] | 54.2 [15.9] | 51.9 [15.2] | 50.3 [14.7] | |
| | Power | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 | 4.7 | 4.8 | 4.7 | 4.7 | |
| 100°F [37.8°C] | Total BTUH [kW] | 63.6 [18.7] | 62.6 [18.3] | 61.8 [18.1] | 59.9 [17.6] | 58.9 [17.3] | 58.2 [17.1] | 56.6 [16.6] | 55.7 [16.3] | 55 [16.1] | |
| | Sens BTUH [kW] | 39.6 [11.6] | 37.9 [11.1] | 36.8 [10.8] | 46.3 [13.6] | 44.4 [13] | 43 [12.6] | 53.3 [15.6] | 51 [15] | 49.4 [14.5] | |
| | Power | 5.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5 | 5.1 | 5 | 5 | |
| 105°F [40.6°C] | Total BTUH [kW] | 61.6 [18.1] | 60.6 [17.8] | 59.9 [17.5] | 57.9 [17] | 56.9 [16.7] | 56.3 [16.5] | 54.6 [16] | 53.7 [15.7] | 53 [15.5] | |
| | Sens BTUH [kW] | 38.6 [11.3] | 37 [10.8] | 35.8 [10.5] | 45.3 [13.3] | 43.4 [12.7] | 42 [12.3] | 52.2 [15.3] | 50 [14.7] | 48.5 [14.2] | |
| | Power | 5.5 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.4 | 5.3 | |
| 110°F [43.3°C] | Total BTUH [kW] | 59.4 [17.4] | 58.4 [17.1] | 57.7 [16.9] | 55.7 [16.3] | 54.8 [16.1] | 54.1 [15.9] | 52.4 [15.4] | 51.5 [15.1] | 50.9 [14.9] | |
| | Sens BTUH [kW] | 37.5 [11] | 35.9 [10.5] | 34.8 [10.2] | 44.2 [12.9] | 42.3 [12.4] | 41 [12] | 51.1 [15] | 49 [14.4] | 47.5 [13.9] | |
| | Power | 5.8 | 5.8 | 5.7 | 5.8 | 5.7 | 5.7 | 5.7 | 5.7 | 5.7 | |
| 115°F [46.1°C] | Total BTUH [kW] | 57.1 [16.7] | 56.1 [16.4] | 55.5 [16.2] | 53.4 [15.6] | 52.5 [15.4] | 51.8 [15.2] | 50 [14.7] | 49.2 [14.4] | 48.6 [14.2] | |
| | Sens BTUH [kW] | 36.2 [10.6] | 34.7 [10.2] | 33.6 [9.9] | 42.9 [12.6] | 41.2 [12.1] | 39.9 [11.7] | 49.9 [14.6] | 47.8 [14] | 46.3 [13.6] | |
| | Power | 6.2 | 6.1 | 6.1 | 6.1 | 6.1 | 6 | 6.1 | 6 | 6 | |
| 120°F [48.9°C] | Total BTUH [kW] | 54.6 [16] | 53.7 [15.7] | 53 [15.5] | 50.8 [14.9] | 50 [14.7] | 49.4 [14.5] | 47.5 [13.9] | 46.7 [13.7] | 46.2 [13.5] | |
| | Sens BTUH [kW] | 34.9 [10.2] | 33.5 [9.8] | 32.4 [9.5] | 41.6 [12.2] | 39.9 [11.7] | 38.6 [11.3] | 47.5 [13.9] | 46.5 [13.6] | 45.1 [13.2] | |
| | Power | 6.5 | 6.5 | 6.4 | 6.5 | 6.5 | 6.4 | 6.5 | 6.4 | 6.4 | |

POWER KW = COMP. INPUT K.W.

[] Designates Metric Conversions

NOTE: (1) WHEN THE ENTERING AIR INDOOR DRY BULB IS OTHER THAN 80°F[26.7°C], ADJUST THE SENSIBLE CAPACITY FROM THE TABLE BY ADDING [1.10 x CFM x (1 - DR) x (dbE - 80)]





GROSS PERFORMANCE CHART

| SAGL-065NA+SHLL-HM6524 | | | | | | | | | | |
|---|--------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Entering Indoor Air @ 80°F [26.7°C] dbE | | | | | | | | | | |
| Outdoor DB | wbE CFM [L/s] DR Ⓢ | 71°F [21.7°C] | | | 67°F [19.4°C] | | | 63°F [17.2°C] | | |
| | | 2050 [967] 0.16 | 1875 [885] 0.18 | 1750 [826] 0.23 | 2050 [967] 0.16 | 1875 [885] 0.18 | 1750 [826] 0.23 | 2050 [967] 0.16 | 1875 [885] 0.18 | 1750 [826] 0.23 |
| 75°F [23.9°C] | Total BTUH [kW] | 78.4 [23] | 77.1 [22.6] | 76.1 [22.3] | 74.6 [21.9] | 73.4 [21.5] | 72.5 [21.2] | 71.3 [20.9] | 70.1 [20.6] | 69.3 [20.3] |
| | Sens BTUH [kW] | 48.9 [14.3] | 46.9 [13.7] | 45.4 [13.3] | 55.6 [16.3] | 53.3 [15.6] | 51.6 [15.1] | 62.5 [18.3] | 59.9 [17.6] | 58.1 [17] |
| | Power | 4.4 | 4.4 | 4.4 | 4.4 | 4.4 | 4.3 | 4.4 | 4.3 | 4.3 |
| 80°F [26.7°C] | Total BTUH [kW] | 77.2 [22.6] | 75.9 [22.2] | 75 [22] | 73.5 [21.5] | 72.2 [21.2] | 71.4 [20.9] | 70.1 [20.6] | 69 [20.2] | 68.1 [20] |
| | Sens BTUH [kW] | 48.4 [14.2] | 46.3 [13.6] | 44.9 [13.2] | 55.1 [16.1] | 52.8 [15.5] | 51.1 [15] | 62 [18.2] | 59.4 [17.4] | 57.6 [16.9] |
| | Power | 4.7 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.6 | 4.5 |
| 85°F [29.4°C] | Total BTUH [kW] | 75.8 [22.2] | 74.6 [21.8] | 73.7 [21.6] | 72.1 [21.1] | 70.9 [20.8] | 70.1 [20.5] | 68.8 [20.2] | 67.6 [19.8] | 66.8 [19.6] |
| | Sens BTUH [kW] | 47.7 [14] | 45.7 [13.4] | 44.3 [13] | 54.4 [15.9] | 52.2 [15.3] | 50.5 [14.8] | 61.4 [18] | 58.8 [17.2] | 57 [16.7] |
| | Power | 4.9 | 4.9 | 4.8 | 4.9 | 4.8 | 4.8 | 4.8 | 4.8 | 4.8 |
| 90°F [32.2°C] | Total BTUH [kW] | 74.3 [21.8] | 73.1 [21.4] | 72.2 [21.2] | 70.6 [20.7] | 69.4 [20.3] | 68.6 [20.1] | 67.3 [19.7] | 66.1 [19.4] | 65.3 [19.1] |
| | Sens BTUH [kW] | 47 [13.8] | 45 [13.2] | 43.6 [12.8] | 53.7 [15.7] | 51.5 [15.1] | 49.9 [14.6] | 60.6 [17.8] | 58.1 [17] | 56.3 [16.5] |
| | Power | 5.2 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5.1 | 5 |
| 95°F [35.0°C] | Total BTUH [kW] | 72.6 [21.3] | 71.4 [20.9] | 70.5 [20.7] | 68.9 [20.2] | 67.8 [19.9] | 66.9 [19.6] | 65.6 [19.2] | 64.5 [18.9] | 63.7 [18.7] |
| | Sens BTUH [kW] | 46.2 [13.5] | 44.2 [13] | 42.9 [12.6] | 52.9 [15.5] | 50.7 [14.8] | 49.1 [14.4] | 59.8 [17.5] | 57.3 [16.8] | 55.5 [16.3] |
| | Power | 5.5 | 5.4 | 5.4 | 5.4 | 5.4 | 5.3 | 5.4 | 5.3 | 5.3 |
| 100°F [37.8°C] | Total BTUH [kW] | 70.8 [20.7] | 69.6 [20.4] | 68.7 [20.1] | 67.1 [19.6] | 65.9 [19.3] | 65.1 [19.1] | 63.7 [18.7] | 62.7 [18.4] | 61.9 [18.1] |
| | Sens BTUH [kW] | 45.2 [13.3] | 43.3 [12.7] | 42 [12.3] | 51.9 [15.2] | 49.8 [14.6] | 48.2 [14.1] | 58.9 [17.3] | 56.4 [16.5] | 54.7 [16] |
| | Power | 5.8 | 5.7 | 5.7 | 5.7 | 5.7 | 5.6 | 5.7 | 5.6 | 5.6 |
| 105°F [40.6°C] | Total BTUH [kW] | 68.7 [20.1] | 67.6 [19.8] | 66.8 [19.6] | 65 [19.1] | 63.9 [18.7] | 63.2 [18.5] | 61.7 [18.1] | 60.7 [17.8] | 59.9 [17.6] |
| | Sens BTUH [kW] | 44.2 [13] | 42.4 [12.4] | 41 [12] | 50.9 [14.9] | 48.8 [14.3] | 47.3 [13.9] | 57.9 [17] | 55.4 [16.2] | 53.7 [15.7] |
| | Power | 6.1 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 5.9 |
| 110°F [43.3°C] | Total BTUH [kW] | 66.6 [19.5] | 65.4 [19.2] | 64.7 [18.9] | 62.8 [18.4] | 61.8 [18.1] | 61 [17.9] | 59.5 [17.4] | 58.5 [17.1] | 57.8 [16.9] |
| | Sens BTUH [kW] | 43.1 [12.6] | 41.3 [12.1] | 40 [11.7] | 49.8 [14.6] | 47.7 [14] | 46.2 [13.5] | 56.7 [16.6] | 54.4 [15.9] | 52.7 [15.4] |
| | Power | 6.4 | 6.4 | 6.3 | 6.4 | 6.3 | 6.3 | 6.3 | 6.3 | 6.2 |
| 115°F [46.1°C] | Total BTUH [kW] | 64.2 [18.8] | 63.1 [18.5] | 62.4 [18.3] | 60.5 [17.7] | 59.5 [17.4] | 58.8 [17.2] | 57.2 [16.8] | 56.2 [16.5] | 55.5 [16.3] |
| | Sens BTUH [kW] | 41.9 [12.3] | 40.1 [11.8] | 38.9 [11.4] | 48.6 [14.2] | 46.6 [13.6] | 45.1 [13.2] | 55.5 [16.3] | 53.2 [15.6] | 51.6 [15.1] |
| | Power | 6.8 | 6.7 | 6.7 | 6.7 | 6.7 | 6.6 | 6.7 | 6.6 | 6.6 |
| 120°F [48.9°C] | Total BTUH [kW] | 61.7 [18.1] | 60.7 [17.8] | 59.9 [17.6] | 58 [17] | 57 [16.7] | 56.3 [16.5] | 54.6 [16] | 53.7 [15.7] | 53.1 [15.6] |
| | Sens BTUH [kW] | 40.6 [11.9] | 38.9 [11.4] | 37.7 [11] | 47.3 [13.9] | 45.3 [13.3] | 43.9 [12.9] | 54.2 [15.9] | 51.9 [15.2] | 50.3 [14.7] |
| | Power | 7.1 | 7.1 | 7 | 7.1 | 7.1 | 7 | 7.1 | 7 | 7 |

POWER KW = COMP. INPUT K.W.

[] Designates Metric Conversions

NOTE: (1) WHEN THE ENTERING AIR INDOOR DRY BULB IS OTHER THAN 80°F [26.7°C], ADJUST THE SENSIBLE CAPACITY FROM THE TABLE BY ADDING [1.10 X CFM X (1 - DR) X (dbE - 80)]



AIRFLOW PERFORMANCE DATA—SHSL (PSC Motor)

| Model No. | Motor Speed from Factory | Blower Size/ Motor HP [W] # of Speed | Motor Speed | PSC CFM [L/s] Air Delivery/RPM/Watts—240 Volts | | | | | | | | |
|--------------------|--------------------------|--------------------------------------|-------------|--|------------|------------|------------|------------|------------|------------|------------|--|
| | | | | External Static Pressure—Inches W.C. [kPa] | | | | | | | | |
| | | | | 0.1 [.02] | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | | |
| -3017 No Heater | High 220/240V | 4 Pole 1/3 HP 3 Speed | Low | CFM | 684 [323] | 678 [320] | 648 [306] | 610 [288] | 558 [263] | 497 [234] | 382 [180] | |
| | | | | Watts | 194 | 185 | 176 | 166 | 155 | 143 | 123 | |
| | | | Medium | CFM | 918 [433] | 892 [421] | 858 [405] | 807 [381] | 734 [346] | 652 [308] | 531 [250] | |
| | | | | Watts | 259 | 247 | 232 | 217 | 200 | 185 | 166 | |
| | | | High | CFM | 1284 [606] | 1206 [570] | 1128 [532] | 1041 [492] | 947 [447] | 845 [399] | 721 [340] | |
| | | | | Watts | 505 | 482 | 468 | 443 | 428 | 416 | 402 | |
| -4217 No Heater | High 220/240V | 4 Pole 1/3 HP 3 Speed | Low | CFM | 1113 [525] | 1076 [505] | 1041 [489] | 1000 [470] | 958 [450] | 925 [434] | 866 [407] | |
| | | | | Watts | 497 | 491 | 488 | 483 | 477 | 473 | 468 | |
| | | | Medium | CFM | 1321 [620] | 1299 [610] | 1262 [593] | 1222 [574] | 1186 [557] | 1147 [539] | 1087 [510] | |
| | | | | Watts | 630 | 635 | 629 | 618 | 614 | 605 | 588 | |
| | | | High | CFM | 1453 [682] | 1414 [664] | 1379 [648] | 1353 [635] | 1312 [616] | 1266 [595] | 1217 [571] | |
| | | | | Watts | 736 | 730 | 716 | 711 | 703 | 690 | 681 | |
| -6021 No Heater | High 220/240V | 4 Pole 1/2 HP 3 Speed | Low | CFM | 1493 [704] | 1471 [694] | 1443 [681] | 1412 [665] | 1374 [648] | 1337 [631] | 1301 [614] | |
| | | | | Watts | 684 | 677 | 661 | 650 | 631 | 624 | 608 | |
| | | | Medium | CFM | 1624 [766] | 1594 [751] | 1563 [737] | 1536 [724] | 1498 [707] | 1461 [689] | 1408 [664] | |
| | | | | Watts | 776 | 756 | 745 | 730 | 711 | 692 | 675 | |
| | | | High | CFM | 1841 [868] | 1809 [853] | 1777 [838] | 1742 [821] | 1705 [804] | 1661 [783] | 1616 [761] | |
| | | | | Watts | 917 | 903 | 878 | 860 | 845 | 829 | 803 | |

- Notes:
- All 220/240V PSC motors have voltage taps for 220 and 240 volts.
 - All 220/240V PSC motors are shipped on high speed and 240 volts.
 - If the application external static is less than 0.5" WC, adjust the motor speed to the low static speed as described below:
 - Unplug the black motor wire off the relay on the control board and plug in the red motor wire.
 - Replace the cap on the black motor wire.
 - Voltage change (220/240V motors):
 - Move the orange lead to transformer 220V tap from 240V tap. Replace the wire cap on 240V tap.
 - Unplug the purple motor wire off the transformer and plug in the yellow motor wire.
 - Replace the cap on the purple motor wire.
 - The above airflow table lists the airflow information for air handlers without heater and air handler with maximum heater allowed for each model.

[] Designates Metric Conversions

**AIRFLOW PERFORMANCE DATA—SHLL (X-13 Motor)**

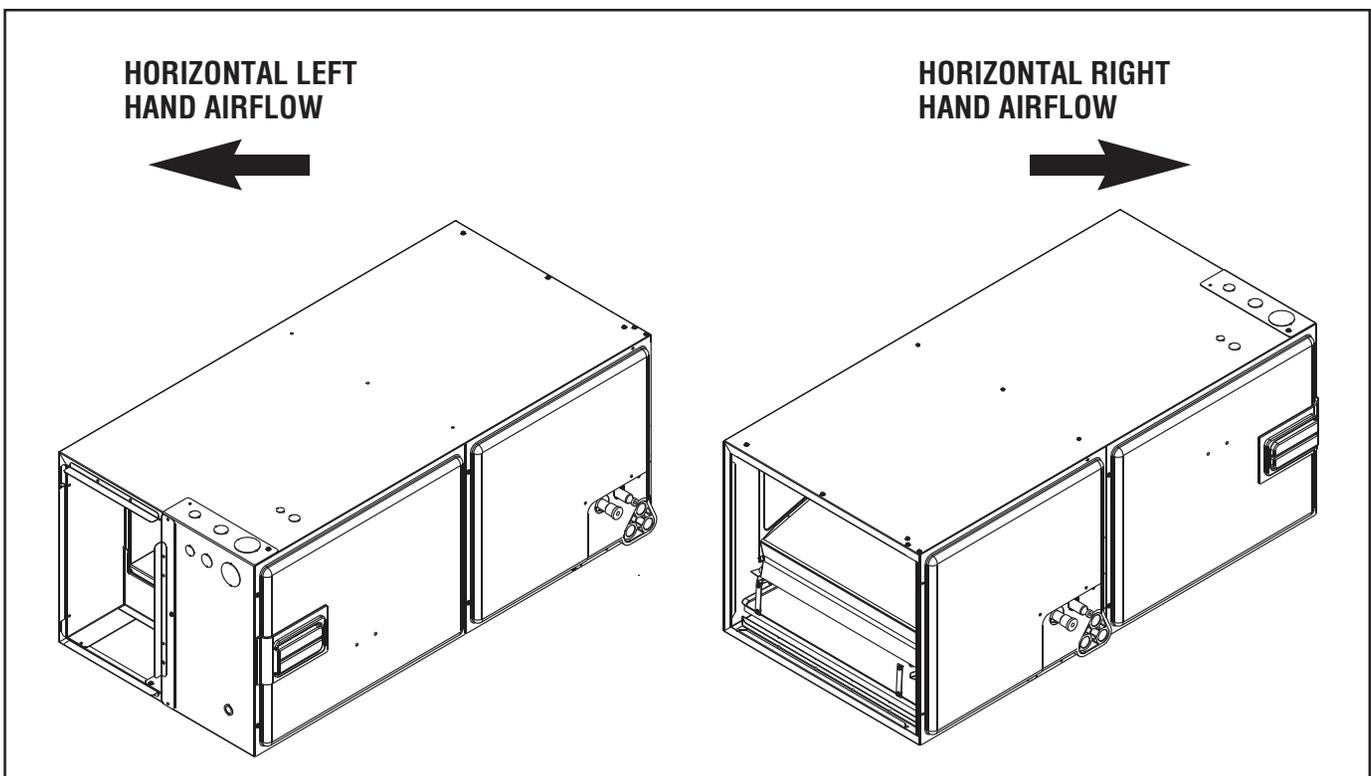
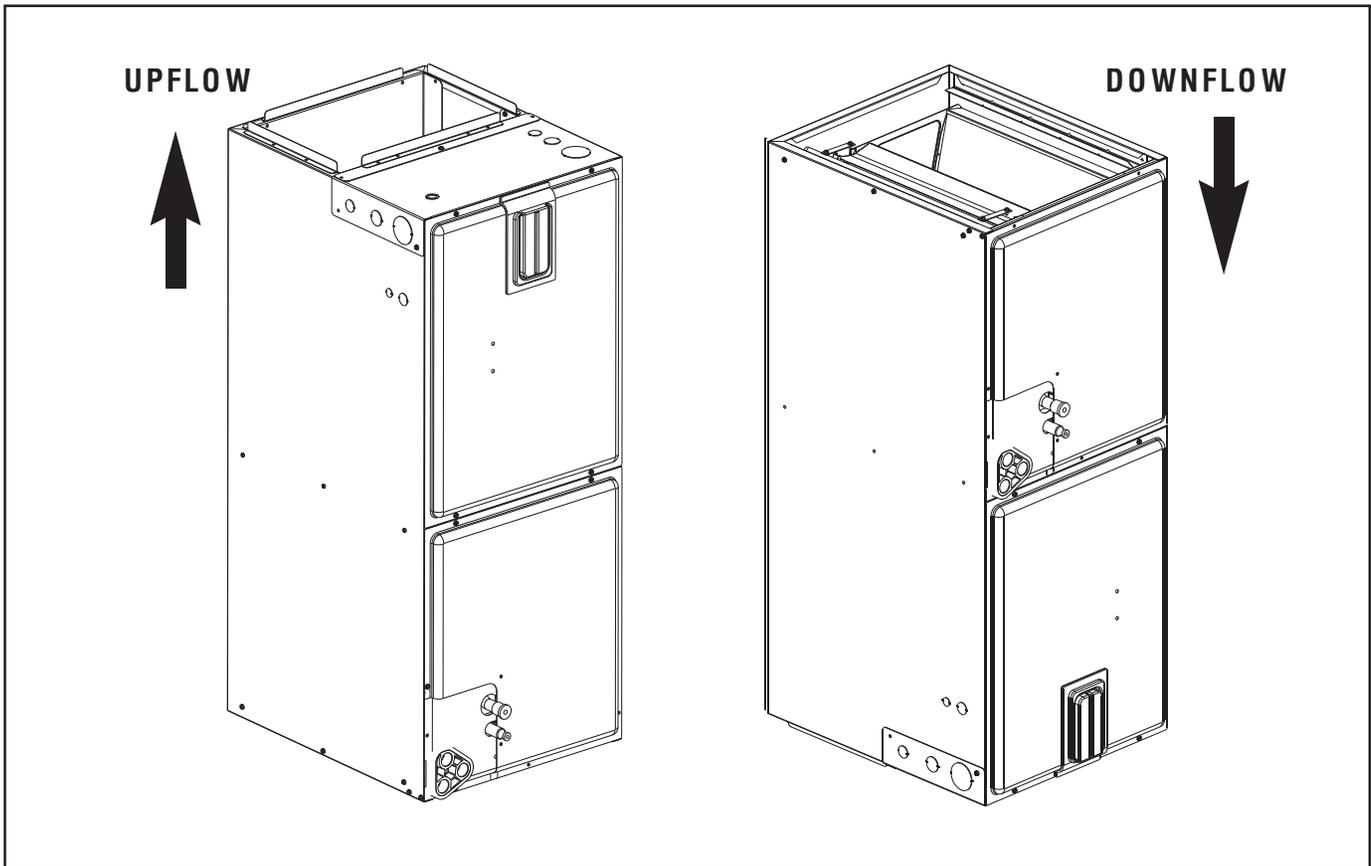
| Model No. | Motor Speed From Factory | Blower Size/ Motor HP [W] # of Speed | Motor Speed | X-13 CFM [L/s] Air Delivery/RPM/Watts | | | | | | | |
|--------------------|--------------------------|--|-------------|--|------------|------------|------------|------------|------------|------------|------------|
| | | | | External Static Pressure—Inches W.C. [kPa] | | | | | | | |
| | | | | 0.1 [.02] | 0.2 [.05] | 0.3 [.07] | 0.4 [.10] | 0.5 [.12] | 0.6 [.15] | 0.7 [.17] | |
| -3017 No Heater | 5 | 10x6 1/3 HP [249] 5 Speed | 2 | CFM | 689 [325] | 644 [304] | 602 [284] | 563 [266] | 509 [240] | — | — |
| | | | | Watts | 66 | 84 | 86 | 88 | 91 | — | — |
| | | | 3 | CFM | 835 [394] | 796 [375] | 760 [358] | 724 [341] | 681 [321] | 644 [304] | 603 [285] |
| | | | | Watts | 106 | 113 | 123 | 133 | 136 | 143 | 152 |
| -3017 No Heater | 5 | 10x6 1/3 HP [249] 5 Speed | 4 | CFM | 875 [413] | 839 [396] | 804 [379] | 762 [360] | 730 [345] | — | — |
| | | | | Watts | 121 | 131 | 135 | 142 | 143 | — | — |
| | | | 5 | CFM | 990 [467] | 957 [451] | 924 [436] | 895 [422] | 862 [407] | 828 [391] | 801 [378] |
| | | | | Watts | 187 | 191 | 186 | 191 | 203 | 215 | 228 |
| -4217 No Heater | 5 | 10x8 1/2 HP [373] 5 Speed | 2 | CFM | 1093 [516] | 1050 [496] | 1017 [480] | 977 [461] | 935 [441] | — | — |
| | | | | Watts | 153 | 168 | 174 | 180 | 188 | — | — |
| | | | 3 | CFM | 1221 [576] | 1185 [559] | 1156 [545] | 1118 [527] | 1084 [512] | 1040 [491] | 1001 [472] |
| | | | | Watts | 207 | 213 | 232 | 234 | 249 | 257 | 261 |
| -4217 No Heater | 5 | 10x8 1/2 HP [373] 5 Speed | 4 | CFM | 1270 [599] | 1237 [584] | 1199 [566] | 1165 [550] | 1130 [533] | — | — |
| | | | | Watts | 237 | 249 | 259 | 268 | 277 | — | — |
| | | | 5 | CFM | 1401 [661] | 1371 [647] | 1342 [633] | 1309 [617] | 1275 [602] | 1244 [587] | 1211 [571] |
| | | | | Watts | 300 | 318 | 324 | 332 | 338 | 348 | 363 |
| -6021 No Heater | 5 | 10x10 3/4 HP [559] 5 Speed | 2 | CFM | 1473 [695] | 1442 [681] | 1401 [661] | 1373 [648] | 1337 [631] | — | — |
| | | | | Watts | 257 | 271 | 303 | 307 | 315 | — | — |
| | | | 3 | CFM | 1613 [761] | 1562 [737] | 1532 [723] | 1503 [709] | 1447 [683] | 1433 [676] | 1402 [662] |
| | | | | Watts | 322 | 348 | 366 | 373 | 394 | 406 | 405 |
| -6021 No Heater | 5 | 10x10 3/4 HP [559] 5 Speed | 4 | CFM | 1665 [785] | 1631 [770] | 1601 [756] | 1572 [742] | 1535 [724] | — | — |
| | | | | Watts | 351 | 387 | 401 | 406 | 422 | — | — |
| | | | 5 | CFM | 1771 [836] | 1741 [821] | 1714 [809] | 1689 [797] | 1654 [781] | 1624 [766] | 1563 [738] |
| | | | | Watts | 436 | 448 | 460 | 467 | 500 | 513 | 523 |
| -6524 No Heater | 5 | 11x11 3/4 HP [559] 5 Speed | 4 | CFM | 1902 [898] | 1862 [879] | 1809 [854] | 1781 [840] | 1739 [821] | — | — |
| | | | | Watts | 389 | 409 | 419 | 432 | 459 | — | — |
| | | | 5 | CFM | 2079 [981] | 2031 [958] | 1994 [941] | 1950 [920] | 1905 [899] | 1866 [881] | 1832 [865] |
| | | | | Watts | 481 | 498 | 526 | 533 | 565 | 570 | 592 |

Notes: X-13 motor speed changes.

- All X-13 motors have 5 speed tabs. Speed tab 1 is for continuous fan. Speed tab 2 (low static) and Speed tab 3 (high static) are for lower tonnage. Speed tab 4 (low static) and Speed tab 5 (high static) are for higher tonnage.
- X-13 air handlers are always shipped from factory at Speed tab 5.
- The low static Speed tab 2 (lower tonnage) and 4 (higher tonnage) are used for external static below 0.5" WC. The high static Speed tab 3 (lower tonnage) and 5 (higher tonnage) are used for external static exceeding 0.5" WC. Move the blue wire to the appropriate Speed tab as required by the application needs.
- The airflow for continuous fan (Speed tab 1) is always set at 50% of the Speed tab 4.
- The above airflow table lists the airflow information for air handlers without heater.

[] Designates Metric Conversions

AIRFLOW DIRECTIONS



**ELECTRICAL & OTHER PERFORMANCE DATA- SAGL/SHSL & SHLL**

| Model Number | Phase-Hertz Voltage | Comp RLA | Comp LRA | Motor FLA | MCA | Fuse Sizes | | Outdoor Motor Power (kW) | Outdoor Coil area sq.ft(m2) | Rows CFM (L/S) | R410A Charge Weight (OZ) | Sound Rating db (A) | Matched Indoor Model | |
|--------------|---------------------|----------|----------|-----------|-----|------------|-----|--------------------------|-----------------------------|------------------|--------------------------|---------------------|----------------------|-------------------------------|
| | | | | | | Min | Max | | | | | | SHSL | SHLL |
| SAGL- 018TA | 1-50-220/240 | 7.90 | 44 | 0.60 | 12 | 15 | 15 | 0.12 | 11.06 (1.03) | 1 1645 (776) | 61 | 70 | SHSL- HM3017TA | SHLL- HM3017TA |
| SAGL- 024TA | 1-50-220/240 | 10.00 | 52 | 0.60 | 17 | 30 | 30 | 0.12 | 11.06 (1.03) | 1 1700 802) | 70 | 70 | SHSL- HM3017TA | SHLL- HM3017TA |
| SAGL- 030TA | 1-50-220/240 | 12.50 | 60 | 0.80 | 19 | 30 | 30 | 0.14 | 13.72 (1.27) | 1 2370 (1118) | 78 | 69 | SHSL- HM3017TA | SHLL- HM3017TA |
| SAGL- 036TA | 1-50-220/240 | 15.00 | 67 | 0.80 | 23 | 30 | 30 | 0.15 | 16.39 (1.52) | 1 2805 (1323) | 95 | 71 | SHSL- HM4217TA | SHLL- HM4217TA |
| SAGL- 036NA | 3-50-380/415 | 6.40 | 38 | 1.00 | 10 | 15 | 15 | 0.23 | 16.39 (1.52) | 1 2805 (1323) | 102 | 71 | SHSL- HM4217TA | SHLL- HM4217TA |
| SAGL- 042TA | 1-50-220/240 | 17.90 | 87 | 1.20 | 29 | 35 | 35 | 0.21 | 16.39 (1.52) | 1 2805 (1323) | 104 | 72 | SHSL- HM4217TA | SHLL- HM4217TA |
| SAGL- 042NA | 3-50-380/415 | 6.60 | 44 | 1.00 | 12 | 15 | 15 | 0.23 | 16.39 (1.52) | 1 2805 (1323) | 101 | 72 | SHSL- HM4217TA | SHLL- HM4217TA |
| SAGL- 048NA | 3-50-380/415 | 6.90 | 41 | 1.00 | 12 | 15 | 15 | 0.31 | 21.85 (2.03) | 1 3295 (1554) | 142 | 72 | SHSL- HM6021TA | SHLL- HM6021TA |
| SAGL- 060NA | 3-50-380/415 | 8.90 | 52 | 1.00 | 15 | 20 | 20 | 0.31 | 21.85 (2.03) | 1 3295 (1554) | 172 | 74 | SHSL- HM6021TA | SHLL- HM6021TA HM6524TA |
| SAGL- 065NA | 3-50-380/415 | 11.80 | 75 | 1.00 | 15 | 20 | 20 | 0.31 | 21.85 (2.03) | 1 3295 (1554) | 172 | 74 | N/A | SHLL- HM6524TA |

SHSL ELECTRICAL DATA – BLOWER MOTOR ONLY – No Electric Heat

| Model SHSL | Voltage | Application Phase* | Hertz | HP | RPM | Speeds | Circuit Amps. | Minimum Circuit Ampacity | Maximum Circuit Protector |
|------------|---------|--------------------|-------|-----|------|--------|---------------|--------------------------|---------------------------|
| 3017 | 220/240 | 1 | 50 | 1/3 | 900 | 3 | 1.8 | 3.0 | 15 |
| 4217 | | | | 1/3 | 1030 | 3 | 3.0 | 4.0 | 15 |
| 6021 | | | | 1/2 | 1100 | 3 | 4.2 | 5.0 | 15 |

* Blower motors are all single phase motors.

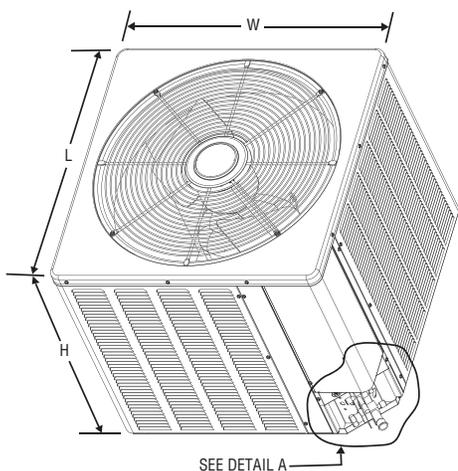
SHLL ELECTRICAL DATA – BLOWER MOTOR ONLY – No Electric Heat

| Model SHLL | Voltage | Application Phase* | Hertz | HP | RPM | Speeds | Circuit Amps. | Minimum Circuit Ampacity | Maximum Circuit Protector |
|------------|---------|--------------------|-------|-----|----------|--------|---------------|--------------------------|---------------------------|
| 3017 | 220/240 | 1 | 50 | 1/3 | 300-1100 | 5 | 1.6 | 2.0 | 15 |
| 4217 | | | | 1/2 | 300-1100 | 5 | 2.7 | 4.0 | 15 |
| 6021 | | | | 3/4 | 300-1100 | 5 | 3.8 | 5.0 | 15 |
| 6524 | | | | 3/4 | 300-1100 | 5 | 4.6 | 6.0 | 15 |

* Blower motors are all single phase motors.



UNIT DIMENSIONS AND WEIGHT



| Figure | Model No. SAGL | Unit Dimensions | | |
|--------|----------------|-----------------------|------------------------|------------------------|
| | | Width "W" Inches [mm] | Length "L" Inches [mm] | Height "H" Inches [mm] |
| FIG. 1 | 18, 24 | 23 5/8 [600] | 23 5/8 [600] | 24 1/4 [616] |
| FIG. 2 | 30 | 27 5/8 [702] | 27 5/8 [702] | 24 1/4 [616] |
| FIG. 3 | 36, 42 | 31 5/8 [803] | 31 5/8 [803] | 27 15/16 [710] |
| | 48, 60, 65 | 31 5/8 [803] | 31 5/8 [803] | 35 15/16 [913] |

[] Designates Metric Conversions

| Model No. SAGL | Weight | |
|----------------|---------------|--------------------|
| | Net Lbs. [kg] | Shipping Lbs. [kg] |
| 018 | 126 [57.2] | 134 [60.8] |
| 024 | 127 [57.6] | 135 [61.2] |
| 030 | 144 [65.3] | 154 [69.9] |
| 036 | 166 [75.3] | 178 [80.7] |
| 042 | 194 [88.0] | 206 [93.4] |
| 048 | 222 [100.7] | 233 [100.7] |
| 060 | 227 [103.0] | 288 [108.0] |
| 065 | 227 [103.0] | 238 [108.0] |

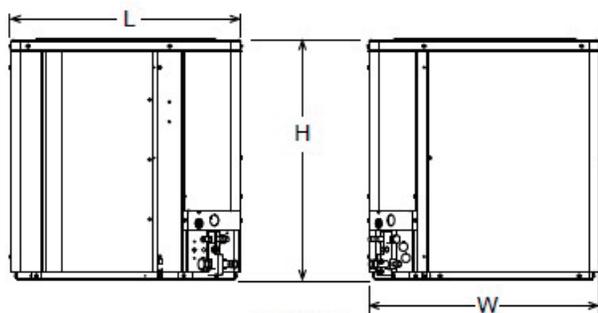


FIG. 1

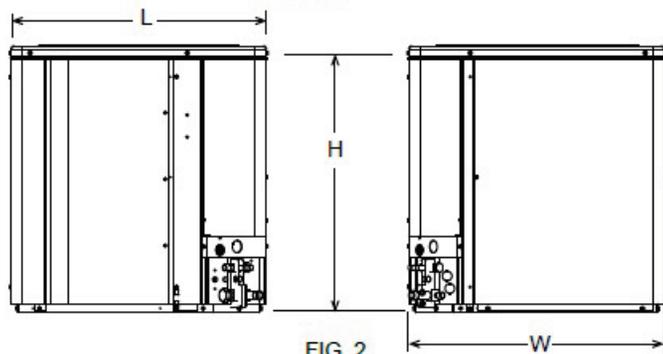


FIG. 2

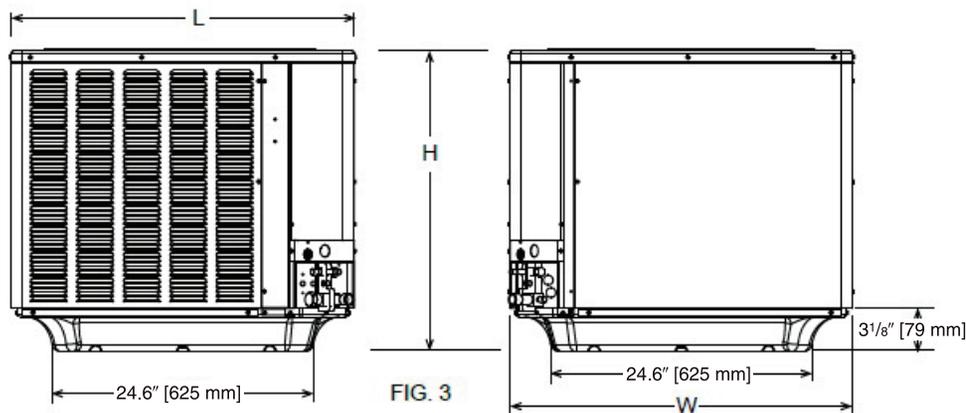
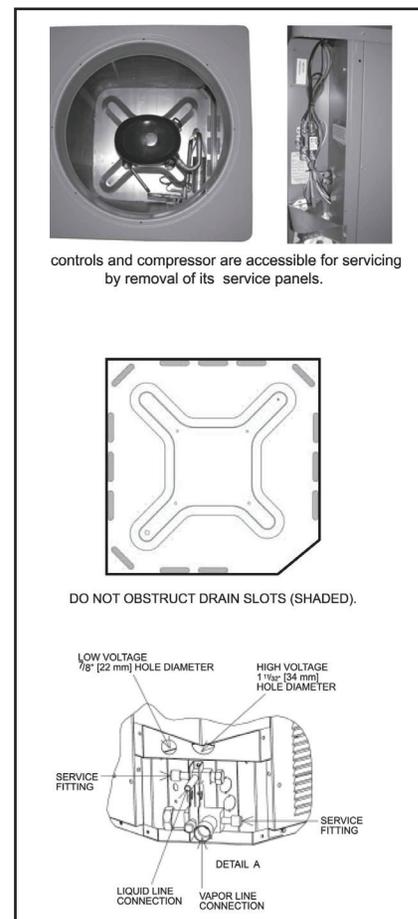


FIG. 3





UNIT DIMENSIONS AND WEIGHT

ELECTRICAL CONNECTIONS
MAY EXIT TOP OR EITHER SIDE

HIGH-VOLTAGE CONNECTION, 7/8" [22.2 mm],
1 3/32" [27.8 mm], 1 31/32" [50 mm] DIA. KNOCKOUTS.

LOW VOLTAGE CONNECTION
5/8" [15.9 mm] AND 7/8" [22.2 mm] KNOCKOUT

AUXILIARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)
HORIZONTAL APPLICATION ONLY

PRIMARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)

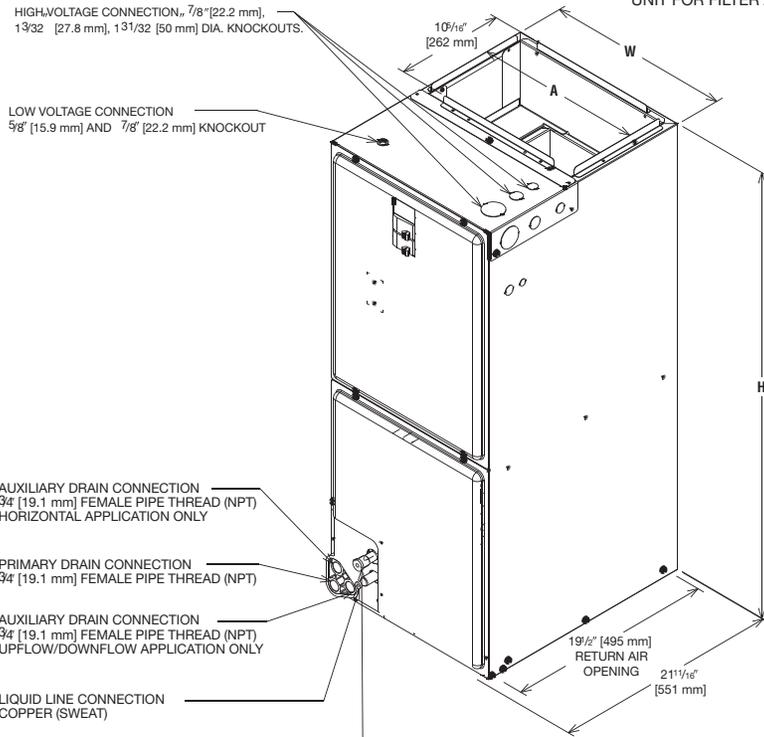
AUXILIARY DRAIN CONNECTION
3/4" [19.1 mm] FEMALE PIPE THREAD (NPT)
UPFLOW/DOWNFLOW APPLICATION ONLY

LIQUID LINE CONNECTION
COPPER (SWEAT)

VAPOR LINE CONNECTION
COPPER (SWEAT)

SUPPLY AIR ↑

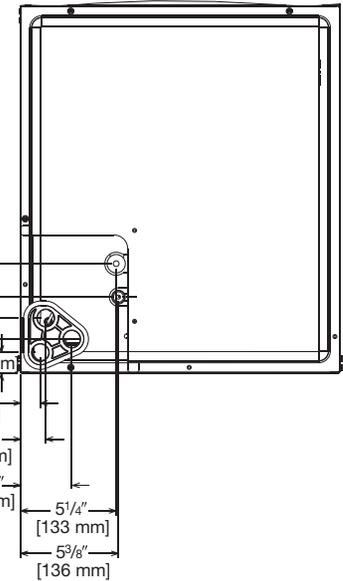
NOTE: 24" CLEARANCE REQUIRED IN FRONT OF
UNIT FOR FILTER AND COIL MAINTENANCE.



UPFLOW UNIT SHOWN:
UNIT MAY BE INSTALLED UPFLOW, DOWNFLOW,
HORIZONTAL RIGHT OR LEFT AIR SUPPLY.

Return Air Opening Dimensions

| Model Cabinet Size | Return Air Opening Width (Inches) | Return Air Opening Depth/Length (Inches) |
|--------------------|-----------------------------------|--|
| 17 | 15 7/8 | 19 1/2 |
| 21 | 19 3/8 | 19 1/2 |
| 24 | 22 7/8 | 19 1/2 |



HORIZONTAL ADAPTER KIT

VAPOR LINE CONNECTION

AUXILIARY HORIZONTAL DRAIN CONNECTION

PRIMARY DRAIN CONNECTION

AUXILIARY UPFLOW/DOWNFLOW DRAIN CONNECTION

LIQUID LINE CONNECTION

VERTICAL DRAIN PAN

[] Designates Metric Conversions

| Model Size | Unit Width "W" In. [mm] | Unit Height "H" In. [mm] | Supply Duct "A" In. [mm] | Unit Weight/Shipping Weight (Lbs.) [kgs] |
|------------|-------------------------|--------------------------|--------------------------|--|
| 3017 | 17 1/2 [445] | 42 1/2 [1080] | 16 [406] | 82/96 [37/44] |
| 4217 | 17 1/2 [445] | 42 1/2 [1080] | 16 [406] | 92/106 [41/48] |
| 6021 | 21 [533] | 50 1/2 [1282] | 19 1/2 [495] | 150/166 [68/75] |
| 6524 | 24 1/2 [622] | 55 1/2 [1410] | 23 [584] | 181/198 [82/90] |



PIPE SIZE CHART



| Outdoor Unit ABOVE Indoor Unit | | | | | | | | | | | | | | | | | |
|---|------------------|-------------------|-----------------------------|-------------|-------------|-----------|-----------|---------------|------------|------------|------------|-------------|---------------|-------------|-------------|--|--|
| Single Stage | Liquid Line Size | Suction Line Size | Equivalent Length in Meters | | | | | | | | | | | | | | |
| | | | Condition - A | | | | | Condition - B | | | | | Condition - C | | | | |
| | | | <15 | 15.5-22.5 | 23-45 | 38-45 | 45-75 | 75-90 | 45.5-52.5 | 53-60 | 61.5-67.5 | 68-75 | 75.5-82.5 | 83-90 | | | |
| Maximum Vertical Separation / Capacity Multiplier | | | | | | | | | | | | | | | | | |
| SAGL-018 | 1/4" | 5/8" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.99 | 40 / 0.98 | N/A | 52.5 / 0.97 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| | 5/16" | 5/8" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.98 | 40 / 0.98 | 45 / 0.96 | 52.5 / 0.97 | 58 / 0.97 | 56 / 0.96 | 55 / 0.96 | 52.5 / 0.96 | 52.5 / 0.96 | 52.5 / 0.95 | 52.5 / 0.95 | | |
| | 3/8" | 5/8" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.98 | 40 / 0.98 | 45 / 0.96 | 52.5 / 0.97 | 60 / 0.97 | 60 / 0.96 | 60 / 0.96 | 60 / 0.96 | 60 / 0.96 | 60 / 0.96 | 60 / 0.95 | | |
| SAGL-024 | 1/4" | 5/8" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.98 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| | 5/16" | 5/8" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.98 | 40 / 0.97 | 45 / 0.95 | 52 / 0.97 | 55 / 0.96 | 50 / 0.95 | 47 / 0.95 | N/A | N/A | N/A | N/A | | |
| | 3/8" | 5/8" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.98 | 40 / 0.97 | 45 / 0.95 | 52.5 / 0.97 | 60 / 0.96 | 60 / 0.95 | 60 / 0.95 | 60 / 0.95 | 60 / 0.95 | 60 / 0.95 | 60* / 0.94 | | |
| SAGL-030 | 5/16" | 5/8" | 15 / 0.98 | 22.5 / 0.97 | 33.5 / 0.97 | 40 / 0.95 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| | 3/8" | 5/8" | 15 / 0.98 | 22.5 / 0.97 | 33.5 / 0.97 | 40 / 0.95 | 45 / 0.92 | 52.5 / 0.94 | 60 / 0.93 | 60 / 0.93 | 60 / 0.92 | 60* / 0.92 | 60* / 0.92 | 60* / 0.92 | 60* / 0.91 | | |
| | 5/16" | 3/4" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.99 | 40 / 0.98 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| SAGL-036 | 3/8" | 3/4" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.99 | 40 / 0.98 | 45 / 0.97 | 52.5 / 0.98 | 60 / 0.98 | 60 / 0.97 | 60 / 0.97 | 60* / 0.97 | 60* / 0.97 | 60* / 0.97 | 60* / 0.96 | | |
| | 5/16" | 5/8" | 15 / 0.98 | 22.5 / 0.97 | 33.5 / 0.96 | 40 / 0.93 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| | 3/8" | 5/8" | 15 / 0.98 | 22.5 / 0.97 | 33.5 / 0.96 | 40 / 0.93 | 45 / 0.90 | 52.5 / 0.93 | 60 / 0.91 | 60 / 0.90 | 60 / 0.90 | 60* / 0.89 | 60* / 0.89 | 60* / 0.88 | 60* / 0.88 | | |
| SAGL-042 | 5/16" | 3/4" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.99 | 40 / 0.97 | 45 / 0.97 | 52.5 / 0.96 | 60 / 0.98 | 60 / 0.97 | 60 / 0.97 | 60* / 0.97 | 60* / 0.96 | 60* / 0.96 | 60* / 0.96 | | |
| | 3/8" | 3/4" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.99 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| | 5/16" | 3/4" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.99 | 40 / 0.98 | 45 / 0.96 | 52.5 / 0.98 | 60 / 0.97 | 60 / 0.97 | 60* / 0.96 | 60* / 0.96 | 60* / 0.96 | 60* / 0.95 | 60* / 0.95 | | |
| SAGL-048 | 3/8" | 7/8" | 15 / 1.00 | 22.5 / 1.00 | 33.5 / 1.00 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | | |
| | 3/8" | 7/8" | 15 / 1.00 | 22.5 / 1.00 | 33.5 / 1.00 | 40 / 1.00 | 45 / 0.96 | 52.5 / 0.99 | 60 / 0.99 | 60 / 0.99 | 60* / 0.96 | 60* / 0.96 | 60* / 0.96 | 60* / 0.95 | 60* / 0.95 | | |
| | 3/8" | 3/4" | 15 / 0.98 | 22.5 / 0.97 | 33.5 / 0.96 | 40 / 0.95 | 45 / 0.92 | 52.5 / 0.94 | 60 / 0.93 | 60* / 0.93 | 60* / 0.92 | 58* / 0.92 | 52* / 0.92 | 47* / 0.91 | 47* / 0.91 | | |
| SAGL-060/065 | 1/2" | 3/4" | 15 / 0.98 | 22.5 / 0.97 | 33.5 / 0.96 | 40 / 0.95 | 45 / 0.92 | 52.5 / 0.94 | 60 / 0.93 | 60 / 0.93 | 60 / 0.92 | 60* / 0.92 | 60* / 0.92 | 60* / 0.91 | 60* / 0.91 | | |
| | 3/8" | 7/8" | 15 / 1.00 | 22.5 / 0.98 | 33.5 / 0.98 | 40 / 0.97 | 45 / 0.96 | 52.5 / 0.97 | 60 / 0.97 | 60* / 0.96 | 58* / 0.96 | 52* / 0.96 | 47* / 0.96 | 47* / 0.96 | | | |
| | 1/2" | 7/8" | 15 / 1.00 | 22.5 / 0.98 | 33.5 / 0.98 | 40 / 0.97 | 45 / 0.96 | 52.5 / 0.97 | 60 / 0.97 | 60 / 0.96 | 60* / 0.96 | 60* / 0.96 | 60* / 0.96 | 60* / 0.96 | | | |
| SAGL-060/065 | 3/8" | 3/4" | 15 / 0.98 | 22.5 / 0.96 | 33.5 / 0.95 | 40 / 0.93 | 45 / 0.90 | 52.5 / 0.92 | 60* / 0.92 | 55* / 0.91 | 49* / 0.90 | N/A | N/A | N/A | N/A | | |
| | 1/2" | 3/4" | 15 / 0.98 | 22.5 / 0.96 | 33.5 / 0.95 | 40 / 0.93 | 45 / 0.90 | 52.5 / 0.92 | 60 / 0.92 | 60 / 0.91 | 60 / 0.90 | 60* / 0.90 | 60* / 0.90 | 60* / 0.89 | 60* / 0.89 | | |
| | 3/8" | 7/8" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.98 | 40 / 0.97 | 45 / 0.95 | 52.5 / 0.97 | 60* / 0.96 | 55* / 0.96 | 49* / 0.95 | N/A | N/A | N/A | N/A | | |
| | 1/2" | 7/8" | 15 / 1.00 | 22.5 / 0.99 | 33.5 / 0.98 | 40 / 0.97 | 45 / 0.95 | 52.5 / 0.97 | 60 / 0.96 | 60 / 0.96 | 60 / 0.95 | 60* / 0.95 | 60* / 0.95 | 60* / 0.95 | 60* / 0.94 | | |

Note: This chart is applicable for ODU with scroll compressor only.

Use Oil Separator and Crank case heater. (Less than 45m vertical separation)
Use Oil Separator, Crank case heater, Hard Start Kit and Non-bleed TXV.
Not Recommended

* Applications with asterisks (*) require a minimum of 1.5m vertical separation.

Light Gray - (<4.5m vertical separation)
Dark Gray
Black

| Condition | Total Equivalent Length (M) | Max. Vertical Separation (M) |
|-----------|-----------------------------|------------------------------|
| A | 3 ~ 45 | <33.5 |
| B | 50.1 ~ 90 | 34 ~ 45 |
| C | 50.1 ~ 90 | 45.1 ~ 60 |



PIPE SIZE CHART

| Single Stage | Liquid Line Size | Suction Line Size | Outdoor Unit BELOW Indoor Unit | | | | | | | | | | | | | |
|--------------|------------------|-------------------|--------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | | Equivalent Length in Meter | | | | | | | | | | | | | |
| | | | <15 | 15.5-22.5 | 23-30 | 30.5-37.5 | 38 - 45 | 45.5-52.5 | 53-60 | 61.5-67.5 | 68-75 | 75.6-82.5 | 83-90 | | | |
| SAGL-018 | 5/16" | 5/8" | 15/0.99 | 21.0/0.99 | 18/0.98 | 13.5/0.98 | 10.5/0.98 | 6/0.97 | 3/0.97 | N/A |
| | 3/8" | 5/8" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.97 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 18/0.96 | 15/0.95 | N/A |
| | 5/16" | 3/4" | 15/1.00 | 21.0/1.00 | 18/1.00 | 13.5/1.00 | 10.5/0.99 | 6/0.99 | 3/0.99 | N/A |
| | 3/8" | 3/4" | 15/1.00 | 22.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 18/0.99 | 15/0.99 |
| | 5/16" | 5/8" | 15/1.00 | 13.5/0.99 | 25/0.98 | N/A |
| SAGL-024 | 3/8" | 5/8" | 15/1.00 | 22.5/0.99 | 24.5/0.98 | 24.5/0.97 | 24.5/0.97 | 24.5/0.96 | 24.5/0.95 | 24.5/0.95 | 24.5/0.95 | 24.5/0.94 | 24.5/0.94 | 9/0.94 | 3/0.93 | N/A |
| | 5/16" | 3/4" | 15/1.00 | 13.5/1.00 | 25/1.00 | N/A |
| | 3/8" | 3/4" | 15/1.00 | 22.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.98 | 9/0.98 | 3/0.98 |
| | 5/16" | 5/8" | 12/09.8 | 3/0.97 | N/A |
| | 3/8" | 5/8" | 15/0.98 | 22.5/0.97 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.94 | 24.5/0.94 | 24.5/0.93 | 24.5/0.93 | 24.5/0.93 | 15/0.92 | N/A | N/A |
| SAGL-030 | 5/16" | 3/4" | 12/1.00 | 3/0.99 | N/A |
| | 3/8" | 3/4" | 15/1.00 | 22.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 15/0.97 | N/A | N/A |
| | 5/16" | 3/4" | 10.5/1.00 | 10/0.99 | N/A |
| | 3/8" | 3/4" | 15/1.00 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.97 | 24.5/0.97 | 24.5/0.97 | 24.5/0.96 | 10/0.96 | N/A | N/A |
| | 1/2" | 3/4" | 15/1.00 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.97 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/09.5 |
| SAGL-036 | 3/8" | 7/8" | 15/1.00 | 22.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.98 | N/A | N/A |
| | 1/2" | 7/8" | 15/1.00 | 22.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 |
| | 3/8" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 21.0/0.95 | N/A | N/A |
| | 1/2" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 21.0/0.95 | 18/0.94 | N/A |
| | 3/8" | 7/8" | 15/1.00 | 22.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.98 | 21.0/0.98 | 18/0.97 |
| SAGL-042 | 1/2" | 7/8" | 15/1.00 | 22.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 21.0/0.96 | N/A | N/A |
| | 3/8" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 15/0.95 | N/A | N/A |
| | 1/2" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 18/0.95 | 12/0.94 | N/A |
| | 3/8" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 18/0.95 | 12/0.94 | N/A |
| | 1/2" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 18/0.95 | 12/0.94 | N/A |
| SAGL-048 | 3/8" | 7/8" | 15/1.00 | 22.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 21.0/0.96 | N/A | N/A |
| | 1/2" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 18/0.95 | 12/0.94 | N/A |
| | 3/8" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 18/0.95 | 12/0.94 | N/A |
| | 1/2" | 3/4" | 15/0.99 | 22.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.96 | 24.5/0.95 | 18/0.95 | 12/0.94 | N/A |
| | 3/8" | 7/8" | 15/1.00 | 22.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/1.00 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.99 | 24.5/0.98 | 21.0/0.98 | 18/0.97 |
| SAGL-060/065 | 1/2" | 7/8" | 15/1.00 | 22.5/0.99 | 24.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.97 | 24.5/0.97 | 24.5/0.97 | 24.5/0.97 | 24.5/0.96 | 9/0.96 | N/A | N/A |
| | 3/8" | 7/8" | 15/1.00 | 22.5/0.99 | 24.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 9/0.93 | N/A | N/A |
| | 1/2" | 7/8" | 15/1.00 | 22.5/0.99 | 24.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 9/0.93 | N/A | N/A |
| | 3/8" | 7/8" | 15/1.00 | 22.5/0.99 | 24.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 9/0.93 | N/A | N/A |
| | 1/2" | 7/8" | 15/1.00 | 22.5/0.99 | 24.5/0.99 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 24.5/0.98 | 9/0.96 | N/A | N/A |

Always Use the smallest Liquid Line allowable to keep system charge to a minimum
 Areas in light grey shade requires long line set application (Use Oil Separator, Crank case heater, Hard Start Kit and Non-bleed TXV).
 Do not use line sets in areas shaded in Dark Grey
 Vertical separation cannot Exceed 24.5 meter of length.

Note: This chart is applicable for ODU with scroll compressor only

GUIDE SPECIFICATIONS

Condensing Unit Description

Outdoor-mounted, air-cooled, split-system air conditioner suitable for ground or rooftop installation. Unit consists of a hermetic compressor, an air-cooled coil, propeller-type condenser fan, suction and liquid line service valve, and a control box. Unit shall discharge supply air upward as shown on contract drawings. Unit shall be used in a refrigeration circuit to match up to a coil / air handler unit.

Quality Assurance

- Unit shall be rated in accordance with the latest edition of AHRI Standard 210/240 and/or ISO-13253.
- Unit shall be certified for capacity and efficiency.
- Unit construction shall comply with latest edition of ANSI/ASHRAE and with NEC.
- Unit shall be constructed in accordance with UL 1995 & IEC [60335-1-40, 60335-2-40]
- Unit cabinet shall be capable of withstanding ASTM-B117, 1008-hr salt spray test.
- Air-cooled condenser coils shall be leak tested at 150 psig and pressure tested at 550 psig .
- Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

- Unit shall be shipped as single package only and is stored and handled per unit manufacturer's recommendations.

Equipment

Factory assembled, single piece, air-cooled air conditioner unit. Contained within the unit enclosure is all factory wiring, piping, controls, compressor, refrigerant charge R-410A, and special features required prior to field start-up.

Unit Cabinet

- Unit cabinet shall be constructed of galvanized steel, bonderized, and coated with a powder coat paint.
- All units constructed with louver coil protection all around the coil.

Fans

- Condenser fan shall be direct-drive propeller type, discharging air upward.
- Condenser fan motors shall be totally enclosed, 1-phase type and permanently lubricated bearings. Shafts shall be corrosion resistant.
- Fan blades shall be statically and dynamically balanced.
- Condenser fan openings shall be equipped with coated steel wire safety guards.

Compressor

- Compressor shall be hermetically sealed scroll type.
- Compressor shall be mounted on rubber vibration isolators

Condenser Coil

- Condenser coil shall be air cooled.
- Coil shall be constructed of aluminum fins mechanically bonded to copper tubes.
- 3/8" diameter, internal groove copper tube.

Refrigeration Components

- Refrigeration circuit components shall include liquid-line shutoff valve with sweat connections, vapor-line shutoff valve with sweat connections, system charge of R-410A refrigerant, and compressor oil.
- Unit shall be supplied with factory provided filter drier for R-410A refrigerant for field installation.

Special Features

- Refer to section of this literature identifying accessories and descriptions for specific features and available enhancements.

GUIDE SPECIFICATIONS

Air Handling Unit Description

Indoor installed, draw through type Blower coil unit with factory fitted air filter. Unconditioned return air is drawn through a cooling heat exchanger via synthetic media filter. The cooling heat exchanger cools and dehumidifies the air and supplies to the zone to be conditioned.

Quality Assurance

- Unit shall be rated in accordance with the latest edition of AHRI Standard 210/240 and or ISO 13253.
- Unit construction shall comply with latest edition of ANSI/ASHRAE and NEC.
- Unit shall be constructed in accordance with UL standards and according to appropriate section of IEC 60335-1-40, 60335-2-40
- Unit cabinet shall be capable of withstanding ASTM B117 1008-hr salt spray test.
- Direct Expansion Cooling coils shall be leak tested at 150 psig and pressure tested at 550 psig.
- Unit constructed in ISO9001 approved facility.

Delivery, Storage, and Handling

- Unit shall be shipped as single package only and shall be stored and handled as per unit manufacturer's recommendations.

Equipment

Factory assembled, single piece, draw through type blower coil unit. Contained within the unit enclosure are all factory wiring, piping, controls, filters, insulation, blower, motor, coil and special features required prior to field start-up.

Unit Cabinet

- Unit cabinet shall be constructed of galvanized steel and coated with paint.

Motor

Motor shall be a Constant Torque Motor (ECM for SHLL) which provides enhanced EER performance with Rheem outdoor units. Totally enclosed single phase and permanently lubricated.

Coils

Coils shall be fabricated of 3/8" [10 mm] O.D. seamless copper tubing expanded into aluminum fins. All coils shall be submitted to an air pressure test of up to 550 PSIG [2068 kPa]. Units shall be shipped with a nitrogen holding charge. Airflow shall be draw through design providing uniform air distribution across the coil surface.

Blower, Bearings And Shaft

Blower shall be a double width, double inlet, forward curve, centrifugal type, statically and dynamically balanced, and constructed of galvanized steel.

Drain Pan

The drain pan shall be manufactured of plastic to protect against corrosion. The pan shall have internally threaded pipe size drain connections and shall be designed to accept condensate in either horizontal or vertical type applications. The drain pan shall be double slope design in accordance with ASHRAE 62 requirement.

Filters

Duly factory fitted filter made up of Synthetic media permanently molded in the plastic frame.

Cabinet

Cabinets shall be manufactured of galvanized steel subjected to multi-stage cleaning and finished with Pre paint. Units shall have removable service access panels.

Insulation

Cabinets shall be insulated with 1/2" [13 mm] by 1 1/2 pound [.68 kg] density fiberglass insulation coated with neoprene and bonded to the cabinet surface with a U.L. approved adhesive. Insulation shall have fire retarding characteristics in accordance with UL smoke developed rating not to exceed 50 and flame spread rating of 25 per Underwriters Laboratories testing procedures.

Factory Testing

In addition to the pre-assembly testing mentioned above, each coil shall be leak tested after assembly into the unit. While under pressure, the coil shall be leak tested using an Electronic Leak Detector.

Electric Heaters (Field Installed –if Applicable)

UL and cUL listed electric heater kits shall be available in a wide range of capacities. All kits shall offer up to two stages of capacity, blower motor controller and single point connection. Heater kits shall be available for installation directly on the supply fan discharge for either horizontal or vertical applications.





Air

Notes

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INTEGRATED AIR & WATER

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