



Separate breakers are recommended. Refer to table above.
*30A Breaker if installing a 5kW Heater.

Power Wire Size	Breaker
2.0-2.5 TON = 12	20A
3.0-4.0 TON = 10	30A
5.0 TON = 8	40A

2 Pole



EXCEL AIR SYSTEMS

STEALTH SERIES DIAGRAM

STEALTH SERIES Installation

Step 1: Place Indoor Air Handler (7) inside the room you would like to cool. The Indoor Air Handler (7) can be installed both horizontally (hung from the ceiling) and vertically (standing on a base with at least 10" from the floor to allow proper air circulation). Once in place install the **white plastic drain trap** for drain line (located on the bottom left if the unit is vertical or bottom center if mounted horizontally).

Step 2: Set the Compressor Box (8) within 40ft of Indoor Air Handler (7). Next, place the Outdoor Condensing Unit (9) outside within 15ft of Compressor Box (8). Make sure to include bends and elevations when figuring out distances.

DO NOT PLACE OUTDOOR CONDENSING UNIT IN A GARAGE OR COVERED AREA WITHOUT CONSULTING EXCEL AIR SYSTEMS.

When finding a proper placement for the Outdoor Condenser (9) make sure to allow for easy access of air to pass through the coil. Cool air is sucked through the coils and blown out the top of the unit. It works similar to a radiator on a car; you must have fresh air cooling the coil.

Caution: The fan on the Outdoor Condensing Unit (9) is not designed to move air through any ductwork. Additional blower must be installed for this type of application. Required amount of air is 550 CFM per Ton. Please consult Excel Air Systems for further details.

Step 3: Connect the Suction Line (2) between the Indoor Air Handler (7) and the Compressor Box (8). Now run 15ft Hot Gas Line (10) from the Compressor Box (8) to the Outdoor Condensing Unit (9). Lastly, connect the 50ft Liquid Line (3) from the Indoor Air Handler (7) to the Outdoor Condensing Unit (9). Use extreme caution when unrolling the Lineset to prevent any kinks. We recommend working from indoors to outdoors. Also, two people is strongly suggested.

ATTENTION: When tightening the Re-Sealable fittings, two wrenches must be used to prevent the copper pipe from twisting and/or kinking. Screw fittings together snugly and then tighten a quarter turn further. **Make sure the fittings are lined up square and not on an angle.**

Step 4: Mount Thermostat (4) inside the room within 15ft of the Indoor Air Handler (7). With the provided wires from the Thermostat (4) base follow the color code on diagram to match up the letters on the control board of the Indoor Air Handler (7). Now connect 2 Wire (5) to Y and C by using the color code on the diagram. Run 2 Wire (5) alongside the Lineset to the Compressor Box (8) and strap to piping. Connect 2 Wire (5) to white Push On connectors on the outside of the Compressor Box (8).

Step 5: Connect 15ft Cab Tire (6) to the Compressor Box (8) using the white Push On connector. Run the remaining end to the control panel of the Outdoor Condensing Unit (9). Match up wire colors and use wire nuts/marrets to fasten connection.

Step 6: Wire both the Indoor Air Handler (7) and the Compressor Box (8) separately using properly sized power wires and breakers (refer to diagram). Supply power required is 230 Volts 1 Phase. **No Common is used, just a ground wire.**

Step 7: Verify all components are connected properly and all Re-Sealable fittings are tight. Power up the system.

If more information is required please call us Toll Free 1-877-728-0757 or visit us online www.excelair.ca.