



- ① Power Cable
- ② 40ft Suction Line
- ③ 50ft Liquid Line
- ④ 15ft Thermostat
- ⑤ 2 Wire
- ⑥ 10ft Cab Tire
- ⑦ Indoor Air Handler
- ⑧ Compressor Box
- ⑨ Outdoor Condensing Unit
- ⑩ 10ft Hot Gas Line

Power Wire Gauge	
2.0-2.5 TON	= 12
3.0-4.0 TON	= 10
5.0 TON	= 8

STEALTH SERIES DIAGRAM



EXCEL AIR SYSTEMS

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 ceiling) and vertically (standing on a base with at least 10" elevation from floor to allow proper air circulation). Once in place install the white plastic drain trap for drain line (bottom left if unit is vertical or bottom center if mounted horizontally).

Step 2: Set Compressor Box (8) within 40ft of Indoor Air Handler (7). Next, place Outdoor Condensing Unit (9) outside within 10ft of Compressor Box (8).

Do not place in a covered area without consulting Excel Air Systems.

Allow for air to cool the refrigerant passing through the coils. 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 refrigerant. (No warmer than 85F)

Caution: The fan on Outdoor Condensing Unit (9) is not designed to move air through any ductwork. Additional blower must be installed for this. 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 10ft Hot Gas Line (10) from Compressor Box (8) to Outdoor Condensing Unit (9). Lastly, connect 50ft Liquid Line (3) from Indoor Air Handler (7) to the Outdoor Condensing Unit (9). Use extreme caution when unrolling Linesets to prevent any kinks. Using two people is strongly suggested.

ATTENTION: When tightening the Re-Sealable fittings two wrenches must be used to prevent copper piping from twisting. Screw fittings together snugly and then tighten a quarter turn more.

Step 4: Mount Thermostat (4) inside the room within 15ft of Indoor Air Handler (7). With the provided wires from the Thermostat (4) base follow the colour code on diagram to match up the letters on the inside of the Indoor Air Handler (7). Now connect 2 Wire (5) to Y and C by using the colour code on diagram. Run 2 Wire (5) alongside the Lineset to the Compressor Box (8) and strap to piping. Connect 2 Wire (5) to Push On terminals inside the control panel of Compressor Box (8) (order does not matter).

Step 5: Connect 10ft Cab Tire (6) from inside Compressor Box (8) to Outdoor Condensing Unit (9) control panel. Match up wire colours and use marets to complete connection.

Step 6: Wire both Indoor Air Handler (7) and Compressor Box (8) using a properly sized power wire and breaker (Refer to diagram for wire size). Supply power needed 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 system.**

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

