



- ① Power Cable
- ② 40ft Suction Line
- ③ 50ft Liquid Line
- ④ 15ft Thermostat
- ⑤ 2 Wire
- ⑥ Indoor Air Handler
- ⑦ Outdoor Condensing Unit

# XL SERIES DIAGRAM



EXCEL AIR SYSTEMS

# XL Series Installation

**Step 1:** Place Indoor Air Handler **(6)** inside the room you would like to cool. The Indoor Air Handler **(6)** 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 Outdoor Condensing Unit **(7)** into place outside within 40ft of Indoor Air Handler **(6)**.

**DO NOT PLACE IN A GARAGE OR COVERED AREA BEFORE 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 (7) 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:** Run both the Suction Line **(2)** and Liquid Line **(3)** between the Indoor Air Handler **(6)** and the Outdoor Condensing Unit **(7)**. Use extreme caution when unrolling the Linesets to prevent any kinks. 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)** within 15ft of Indoor Air Handler **(6)**. 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 **(6)**. Now connect 2 Wire **(5)** to Y and C by using the colour code on diagram. Run 2 Wire **(5)** alongside the Linesets to the Outdoor Condensing Unit **(7)** and strap to piping. Connect 2 Wire **(5)** to Push On terminals inside the control panel of Outdoor Condensing Unit **(7)** (order does not matter).

**Step 5:** Wire both Indoor Air Handler **(6)** and Outdoor Condensing Unit **(7)** using a properly sized power wire and breaker (Refer to diagram for wire size). Supply power needed is 230 Volts 1 Phase.

**Step 6:** Verify all components are connected properly and all Re-Sealable fittings are tight and power up the system.

***If more information is required call Toll Free 1-877-728-0757 or visit us online [www.excelair.ca](http://www.excelair.ca)***

