



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

- 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



## **XL SERIES Installation**

**Step 1:** Place Indoor Air Handler **(6)** inside room you would like to cool. The Indoor Air Handler **(6)** can be installed both horizontally (hung from the ceiling) and vertically (standing on a base with at least 10" of elevation from the floor to allow for 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 OUTDOOR CONDENSING UNIT IN A GARAGE OR COVERED AREA WITHOUT CONSULTING EXCEL AIR SYSTEMS.**

When finding a proper placement for the Outdoor Condenser **(7)** 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 (7) 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:** 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. 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)** within 15ft of Indoor Air Handler **(6)**. With the provided wires from the Thermostat **(4)** base follow the color code on the diagram to match up the letters on the control board of the Indoor Air Handler **(6)**. Now connect 2 Wire **(5)** to Y and C by using the color code diagram. Run 2 Wire **(5)** alongside the Lineset to the Outdoor Condensing Unit **(7)** and strap to piping. Connect 2 Wire **(5)** to Push On terminals inside the control panel of the Outdoor Condensing Unit **(7)** (color does not matter).

**Step 5:** Wire both the Indoor Air Handler **(6)** and the Outdoor Condensing Unit **(7)** separately using properly sized power wires and breakers (refer to diagram). Supply power required is 230 Volts 1 Phase.

**Step 6:** 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](http://www.excelair.ca).**



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