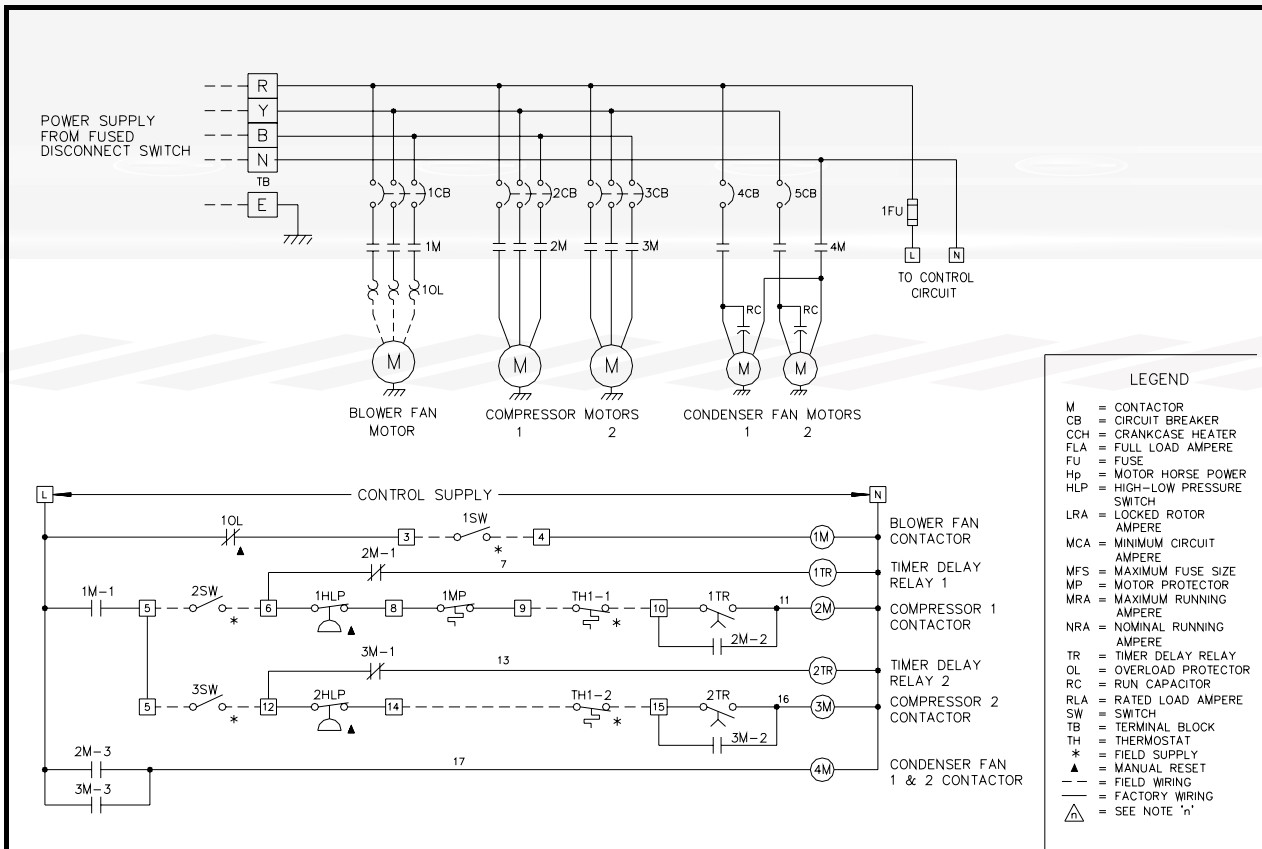


# TYPICAL WIRING SCHEMATIC

## With IEC Direct-On-Line (DOL) Option



## GUIDE SPECIFICATIONS

### 1 GENERAL

AP.BDDTY & AHU shall include compressor(s), evaporator and condenser coil with fans, refrigeration piping, electrical components. The air-cooled condensing section shall consist of the compressor(s); condenser coil; propeller condenser fan(s) with motor and drive assembly; safety and operating controls.

The evaporator blower section shall consist of the blower fan and motor assembly; direct expansion coil complete with thermo-expansion valve(s); and a filter frame for flat filters. The units shall be capable to operate up to 125°F [52°C] ambient temperature without failure.

### 2 CABINET

For the condenser unit cabinet shall be constructed from heavy gauge galvanized steel with epoxy painted for excellent finished, weatherability and corrosion resistance up to 1000 hours salt spray test according to ASTM B-117. For the evaporator

section, the casing comprises an extruded aluminium frame, joint with nylon corner to form rigid structure and double skin panel construction with PU insulation. All panels and access doors fabricated from standard 0.5mm hot dipped galvanised steel (GI) with polyester powder coated oven baked beige colour paint externally to provide a durable finish and 0.5mm hot dipped galvanised steel (GI) unpainted liner. Panel available in 25mm, 45mm & 50mm (AP.TDT3) thick.

### 3 COMPRESSOR & REFRIGERATION PIPING

Compressor(s) shall be scroll, refrigerant gas cooled and mounted on the base via vibration isolators. 1, 2, 3 or 4 refrigeration circuits shall be piped with copper tubing and include expansion valve with external equalizer, filter dryer, sight glass, pressure fittings of manual reset high pressure control and auto reset low pressure safety cutouts as well as charging/access ports in each circuit. The compressors comply with the internationally recognized standards CE and UL.