



**DIRECT DRIVE FLUID COOLER**



## UNIT NOMENCLATURE

FLUID COOLER NOMENCLATURE										
F	E	V	A	-	1	4	4	09	-	8
UNIT VOLTAGE:										2: 240/1/60
										5: 208-240/1/30
										8: 600/3/60
										9: 480/3/60
FIN PER INCH:										08, 09, 10, 11& 12
ROWS DEEP:										2, 3 & 4
FAN IN LINE:										1, 2, 3, 4, 5 & 6
FAN WIDE:										1 & 2
MOTOR:										A: 1.5 HP - 1140 RPM; B: 1 HP - 850 RPM; C: 0.5 HP - 1140 RPM
FAN DISCHARGE:										V: Vertical; H: Horizontal
TUBE SIZE:										E: 1/2 G: 5/8
UNIT TYPE: F: Fluid cooler										

## STANDARD FEATURES

- Reduced fluid charge with high heat-transfer.
- Variety of fan cycling options.
- Choice of fin spacing 8 FPI to 12 FPI.
- All weather fan motors with permanently lubricated sealed ball bearings and internal overload protection.
- 3 ¾ inch spun fan ventury provides maximum fan efficiency and minimum noise level.
- Modular design and individual fan chambers eliminate wind milling effect.
- Oversized access doors for easy coil cleaning.

## OPTIONAL FEATURES

- Choice of copper or polyester / Heresite coated aluminium fins.
- Horizontal air flow unit.
- Choice of individual fan fusing and fan cycling on multi-fan units.

# FAN CYCLING CONTROL PANEL NOMENCLATURE

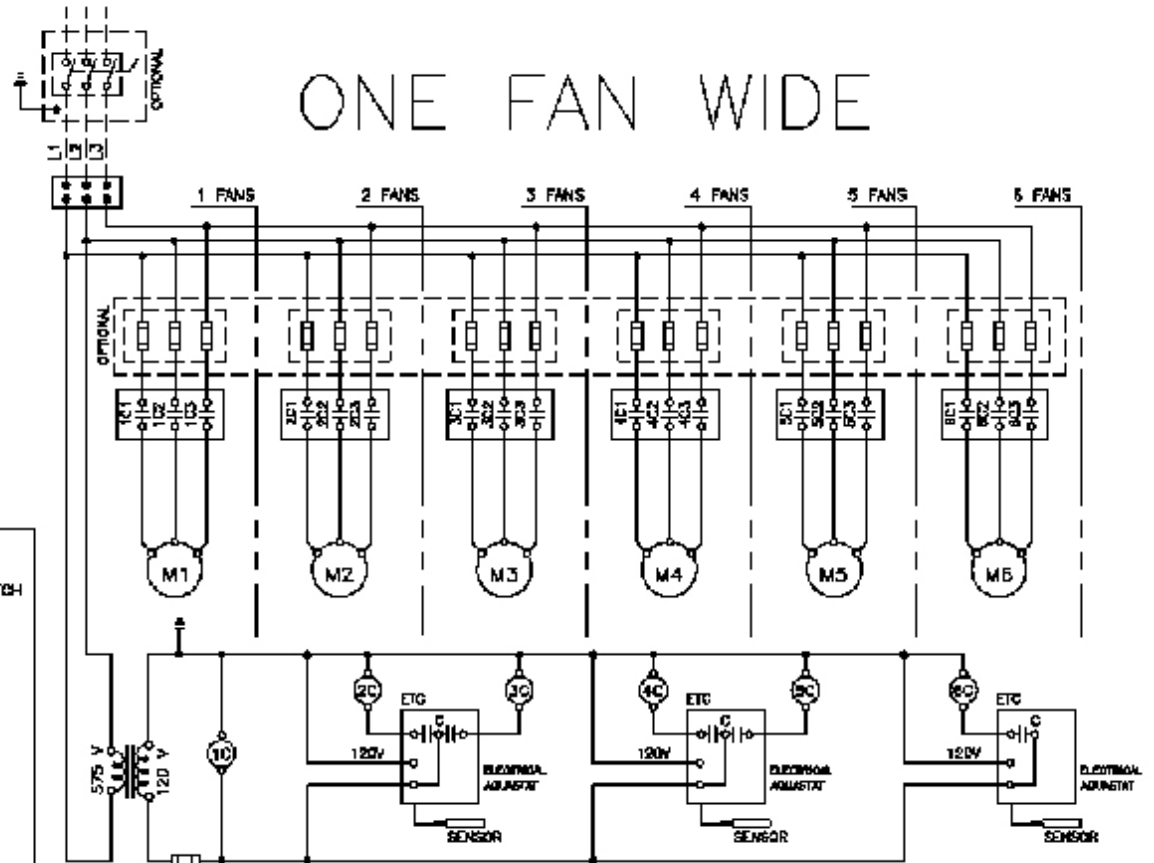
FAN CYCLING CONTROL PANEL NOMENCLATURE						
KFC	-	8	-	X	-	00 - ABC
						Options: <b>N:</b> No options <b>A:</b> Motor fusing (one fuse per pair of motors for 2 fans wide units) <b>B:</b> Individual motor fusing (one per motor) <b>E:</b> Non-fused disconnect. <b>D:</b> Fused disconnect.
						Description du panneau: <b>00:</b> No controls, only control box & terminal block. <b>01:</b> Contactor(s), no control. <b>08:</b> Contactors for individually wired motors. No control. <b>09:</b> Electronic aquastat (contactor & aquastat) <b>11:</b> Split electrical, electronic aquastat
						Control volage: <b>0:</b> None control; <b>1:</b> 115 Volt; <b>2:</b> 240 Volt
						Unit Voltage: <b>2:</b> 240/1/60; <b>5:</b> 208-240/3/60; <b>8:</b> 600/3/60; <b>9:</b> 480/3/60

## KOOL-AIR FAN CYCLING CONTROL PANEL

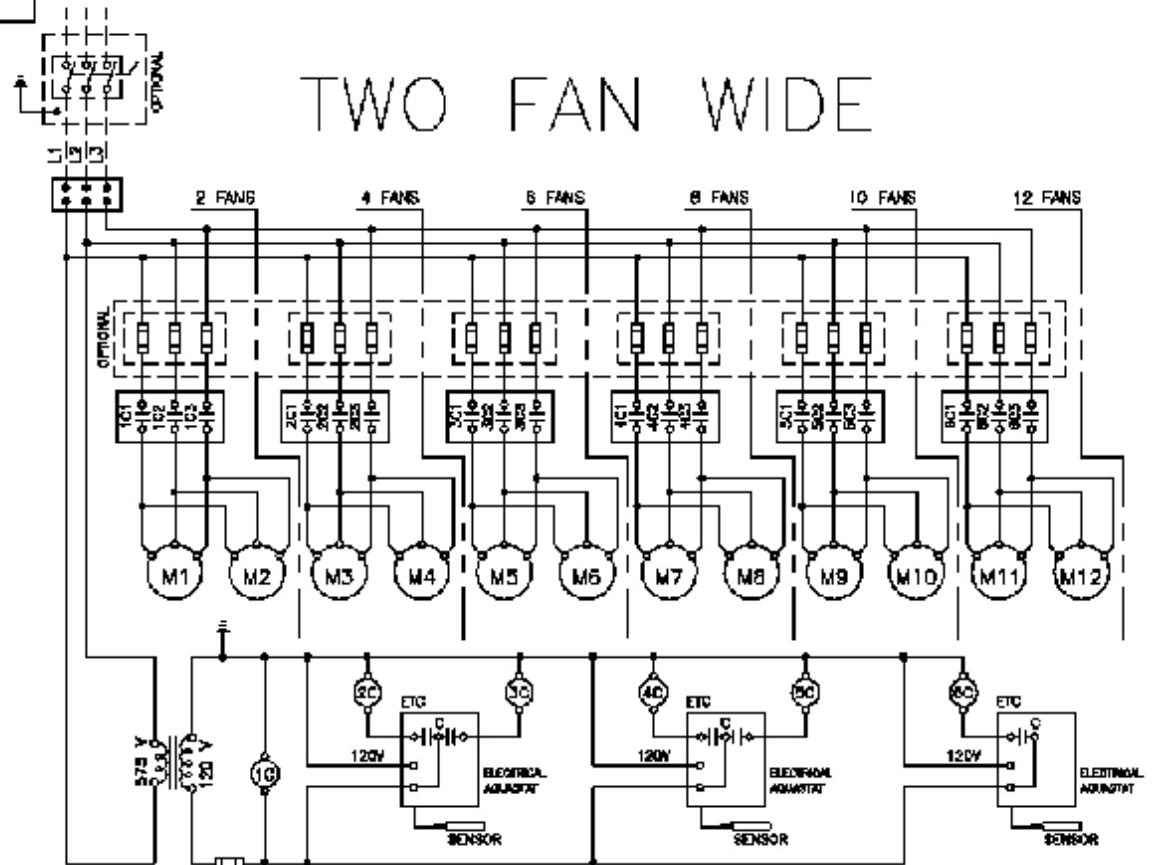
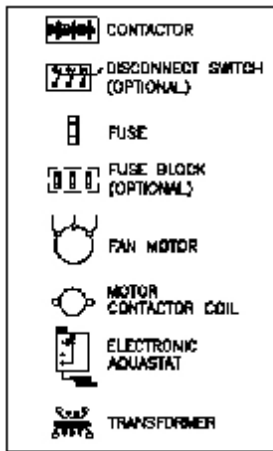
**Notes:** 1- Two fans wide unit , fan motors wired in pairs, unless stated otherwise

# TYPICAL FAN CYCLING CONTROL WIRING

USE COPPER SUPPLY WIRES ONLY



### LEGEND



## **SPECIFICATIONS:**

**CASING:** Heavy gauge galvanized steel. Sectionalized Cabinet with individual fan chambers. All models have side access panels for easy coil inspection and cleaning.

**FAN VENTURY:** 20 inch dia. have 1" venturi and 30" dia. fans have 3 ¾ spun Venturi to provide maximum fan efficiency and minimum noise level.

**FANS:** Fans have aluminium blades, steel hubs and are statically & dynamically balances for smooth, vibration free operation.

**COILS:** Heavy wall, copper tubes are mechanically expanded in self-spaced, full-collared aluminium corrugated plate fins for permanent bond and maximum heat transfer. Coils are pressure tested under water with 400 PSIG. They are dried with dry air.

**FAN GUARDS & MOTOR MOUNTS** Are welded wire construction. Baked on powder epoxy coating provides corrosion protection.

**FAN MOTORS:** ½ H.P. 1140 RPM, 1.0 H.P. 850 RPM and 1 ½ H.P. 1140 RPM motors have automatic reset, internally overload protection and have permanently lubricated, sealed ball bearings for long life. Motors are weather protected for year-round, outdoor condenser duty.

### **CONTROL PANEL:**

Weather resistant electrical box have hinged access panel and is mounted on the same end as the headers for compact and easy installation. All ordered components i.e. contactors, fuses, fan cycling controls, terminal block, control transformer etc. are all mounted and wired inside the panel with weather resistant harnesses.

### **HEAD OFFICE:**

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Due to Kool-Air policies to continuously improve the quality of its products, specifications are subject to change without notice.