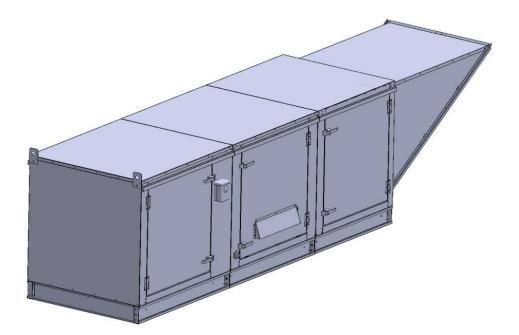


# Gas-Fired Tempered Make-Up Air Unit / EVAP

# Model:

# TK2-EVAP-1PH-FF

1-Phase, 115V, 2.00 HP, Belt driven with Motorized Damper and 15" Blower. MAX 3400 CFM's





NAKS Inc 172 Reaser Ct Elyria, OH 44035 **Tel:** (440) 365-4567 **Fax:** (440) 365-2100 www.naksinc.com



TK2-500 Direct Fired EVAP (1062 lbs.)

#### Supply Motor:

Model 00218OT1BAO56Z-S40PK, 2.000 HP, 1 Phase, 115 V, 60Hz, 18.6 FLA, ODP (Open Drip Proof)

# Supply Motor Pulleys:

Part Type	<u>Qty</u>	Browning #	Turns Out
Blower Pulley	1	AK54 x 1	
Motor Pulley	1	1VL40 x 7/8	3.5

#### Burner:

Min Output BTU: 18,000 BTU/Hr Max Output BTU: 550,000 BTU/Hr Size: 12" long Gas Type: Natural

# Supply Performance:

Volume: 3400 cfm Volume Range: 2500-3400 cfm RPM 957 TS: 3758 ft/min SP: 0.873" w.g. 0.500" Ext. + 0.348" Int. + 0.025" Opt. BHP: 1.926

# Heating Schedule:

Altitude: 0' Winter Entering Air Dry Bulb Temp: 0°F Temp Rise: 100°F Output BTU: 367200 Input BTU: 399130 BTUS BASED OFF STANDARD AIR DENSITY

# **Cooling Schedule:**

Intake Entering Dry Bulb Temperature: 90°F Intake Entering Wet Bulb Temperature: 70°F Intake Entering Relative Humidity: 37% Intake Leaving Dry Bulb Temperature: 73°F Intake Leaving Wet Bulb Temperature: 70°F Temperature drop calculations are based on tested data.

#### Supply Installation Information:

Gas Inlet Pressure: 7 in. w.c. - 14 in. w.c. Insurance: No Insurance Requirement (ANSI) Unit Main Input: 25.4 Amps MCA, 40 Amps MOP, 115 V, 10 AWG Wire Min. Supply Unit Voltage: 1 phs 115 V 60Hz

#### **Construction Features**

Housing constructed of heavy duty G90 galvanized steel • Forward curved centrifugal blower wheel • Vibration isolation • Adjustable drive assemblies • Adjustable motor mount • Ball bearing motors • Heavy duty, pre-lubricated bearings rated for 200,000 hours of operation • Static resistant belts • Service doors on both sides • Horizontal & down discharge • Large intake area ensures low pressure drop across unit • Spring loaded profile plates automatically adjust for any airflow - no manual setting required! • Weatherproof safety disconnect switch • Modular design provides design flexibility • Fully insulated casing

# Blower:

15" forward curved, centrifugal blower. Pillow Block ball bearings. Galvanized finish.  $1" \times 27$ -1/8" Shaft. 2000-7500 CFM. 1800 max. RPM. Used in heated and non-heated supply fans.

### **Temp Control:**

RTC Solutions  $\bullet$  40-90°F Discharge Temp Control  $\bullet$  Field Wired On/Off Start Command

### Intake:

Size # 3 Celdek Evaporative Cooler for Size # 2 Modular Make-Up Air Heater. 40.75" Wide x 83.75" Long x 43.375" High. Includes intake hood with filters. For outdoor installation. Use with water softener recommended.

#### Filters:

6x MV EZ Kleen Metal Mesh Filter. 16"x 20"x 2" Used for heater and supply fan intakes. (3412)

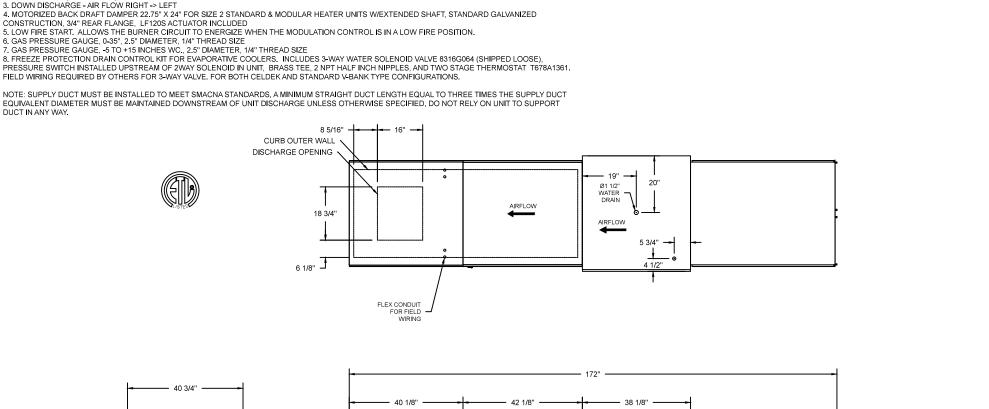
#### Selected Options:

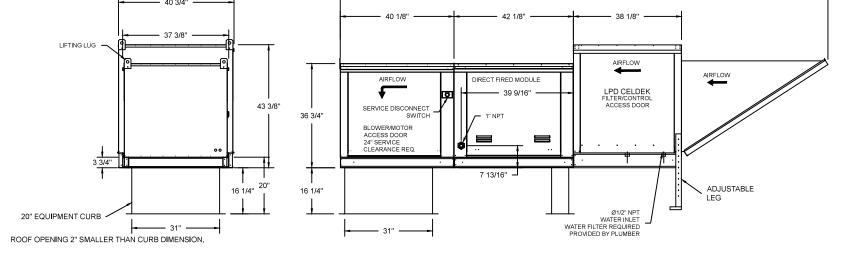
• Motorized Back Draft Damper 22.75" X 24" for Size 2 Standard & Modular Heater Units w/Extended Shaft, Standard Galvanized Construction, 3/4" Rear Flange, Low Leakage, LF120S Actuator Included

• Low Fire Start. Allows the burner circuit to energize when the modulation control is in a low fire position.

Gas Pressure Gauge, 0-35", 2.5" Diameter, 1/4" Thread Size
Gas Pressure Gauge, -5 to +15 Inches Wc., 2.5" Diameter, 1/4" Thread Size

• Freeze Protection Drain Control kit for Evaporative Coolers. Includes 3-Way water solenoid valve 8316G064 (shipped loose), Pressure switch installed upstream of 2way solenoid in unit, Brass Tee, 2 NPT half inch nipples, and two stage thermostat T678A1361. Field wiring required by others for 3-way valve. For both Celdek and Standard V-bank type Configurations.







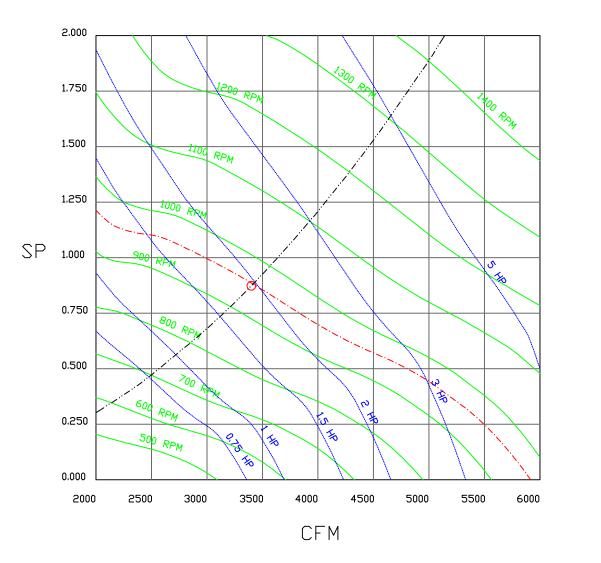
TK2 DIRECT FIRED HEATER WITH EVAP

1. DIRECT GAS FIRED HEATED MAKE UP AIR UNIT WITH 15" BLOWER

2. EVAP COOLER (LPD CELDEK) - W/INTAKE HOOD W/EZ FILTERS

NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH EQUAL TO THREE TIMES THE SUPPLY DUCT

DUCT IN ANY WAY.



3400 CFM, 0.873 SP @ 957 RPM and 1.926 BHP at 0 feet and 100 deg F \* Please note that these curves were adjusted for job specific temperature and altitude.



