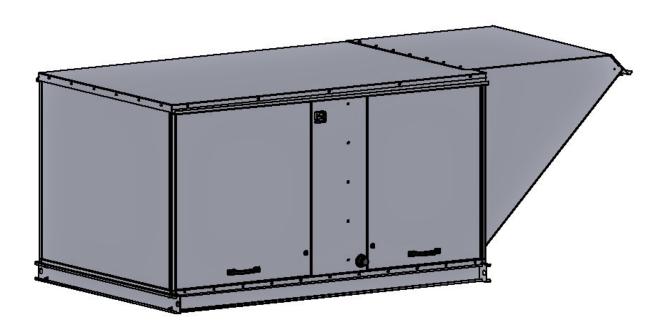


Gas-Fired Tempered Make-Up Air Unit / EVAP

Model:

T2-EVN-3400-460-3

3-Phase, 460V, 2.00 HP, Belt driven with Motorized Damper and 12" Blower. MAX 3,400 CFM



Tel: (440) 365-4567

Fax: (440) 365-2100

www.naksinc.com







T2-HOXEVN Direct Fired EVAP (625 lbs.)

Supply Motor:

Model EM3558T, 2.00 HP, 460-3-60, 2.90 FLA, TEFC (Totally Enclosed Fan Cooled)

Supply Motor Pulleys:

Part Type	<u>Qty</u>	Browning #	Turns Out
Blower Pulley	1	AK54 x 3/4	
Motor Pulley	1	1VP40 x 7/8	1.5

Burner:

Min Output BTU: 18,000 BTU/Hr Max Output BTU: 375,000 BTU/Hr

Size: 6" long Gas Type: Natural

Supply Performance:

Volume: 3400 cfm Volume Range: 1400-3400 cfm

RPM 1090 TS: 3674 ft/min SP: 1.75" w.g.

0.50" Ext. + 0.80" Int. + 0.45" Opt.

BHP: 1.78

Heating Schedule:

Altitude: 0'

Winter Entering Air Dry Bulb Temp: 0°F

Temp Rise: 100°F Output BTU: 345,000 Input BTU: 375,000

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: 76°F Intake Leaving Wet Bulb Temperature: 70°F

Temperature drop calculations are based on tested data.

Supply Installation Information:

Gas Inlet Pressure: 8 in. w.c. - 14 in. w.c.

Insurance: FM/ETL

Unit Main Input: 5.23 Amps MCA, 8 Amps MOP, 460V,

14 AWG Wire Min.

Supply Unit Voltage: 460v-3ph-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 L10 rated for 100,000 hours of operation • Static resistant belts • Service doors on both sides • Horizontal & down discharge • Large intake area ensures low pressure drop across unit • Electronic Burner Profiler System automatically adjusts for any airflow - no manual setting required! • Weatherproof safety disconnect switch • Modular design provides design flexibility • Fully insulated casing

Blower:

12" forward curved, centrifugal blower. Permanently lubricated ballbearings. Galvanized finish. 3/4" Shaft. 2,500 max. RPM. Used in heatedand non-heated supply fans.

Temp Control:

Maxitrol Series 14 • 40-90°F Discharge Temp Control • Field Wired On/Off Start Command; Temperature set point dial at main panel.

Intake:

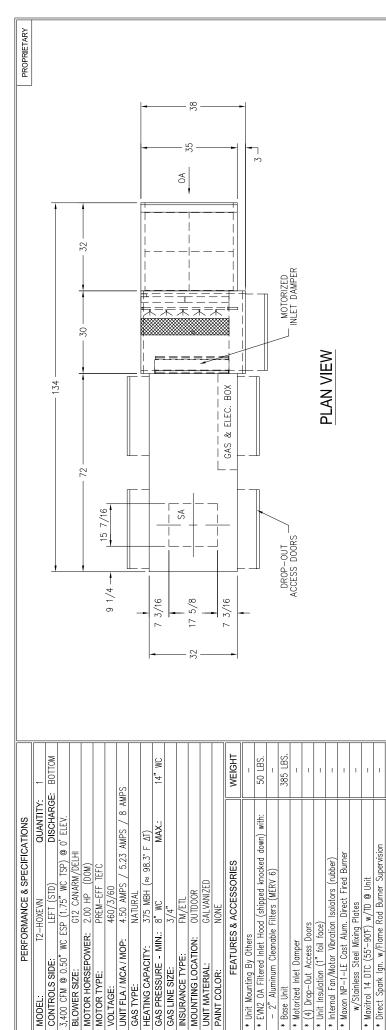
Size EVN2 CELdek Evaporative Cooler for T2 Modular Make-Up Air Heater. 38" Wide x 62" Long x 30" High. Includes intake hood with filters. For outdoor installation. Use with water softener recommended.

Filters:

4x MV EZ Kleen Metal Mesh Filter. 16"x 20"x 2" Used for heater and supply fan intakes.

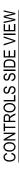
Selected Options:

- * Motorized Inlet Damper 27"W x 26"H for EVN2/T2 Modular Heating Units w/Extended Shaft, Standard Galvanized Construction, 3/4" Rear Flange, LMX24-3-S Actuator Included (with end switch).
- * Low Fire Start. Allows the burner circuit to energize when the modulation control is in a low fire position.
- * Freeze Protection Drain Control Kit for Evaporative Coolers. Includes (2) 2-Way water solenoid valves ZONE215N-10+ZONE24 (NO & NC; shipped loose), Drain Stat, Overflow Water Sensor, and Liquid Level Controller installed upstream of 2-Way solenoid in unit, 1/2" PVC piping & fittings, and Outdoor Air Stat T6031A1136. Field wiring required by others for (2) 2-way valves. Includes 6"D CELdek evaporative media.



PAINT COLOR:

BLOWER SIZE MOTOR TYPE. VOLTAGE GAS TYPE



625 LBS.

TOTAL APPROXIMATE WEIGHT:

EVN2 OA FILTERED INLET HOOD / W/2" ALUMINUM FILTERS (SHIPPED KNOCKED DOWN)

EVN2 EVAP SECTION w/6" CELDEK MEDIA & MOTORIZED INLET DAMPER ,

DISCONNECT SWITCH

GAS ROUGH-IN ⁻

* EL5 Circuit — No Remote Control Panel, Fan Enable Jumper, & WWS (heat enable)

* Non-Fused Disconnect Switch * Mild Weather Stat

(meets NEMA 1,2,3,3R,3S,4,5 & 12 requirements)

* Main Control Panel

* Auto-Profiler System

* EVN2 Evaporative Cooler w/6" CELdek Media * Fill & Drain Valves (shipped loose)

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33 5/16

190 LBS.

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ОА

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1/2"ø SUPPLY

SA

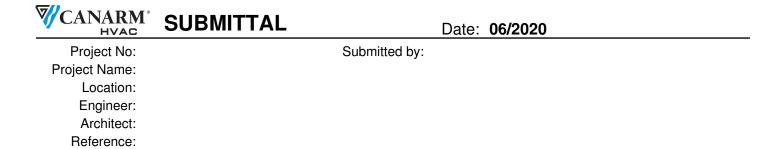
3 5/16 🗖

REV.	DATE	BY	DESCRIPTION OF REVISION	PROJECT NAME:			I	
ı	1	ı	ı	REF. NO./JOB NO.	-	MODEL:	T2-HOXEVN	TAG:
ı	ı	ı	ı	DRAWN BY:	BMA	DATE:	08-2020	SCALE:
1	ı	1	1	CERTIFIED BY:		DRAWING NO.:		T2-EVN-3400-460

NONE ı

100-460-3





Contractor:

Model	Information

Equipment Tag

Model: G12 Part Number: 9005464

CFM: 3400 Shaft Diameter: 0.75 Unit Weight: 48 SP: 1.75 Wheel Diameter: 12.875 Ship Weight: 52

RPM: 1090 Tip Speed: 3674 FPM

BHP: 1.78 Static Efficiency: 53 Elevation: 0

Outlet Velocity: 2332 FPM Temperature: 70

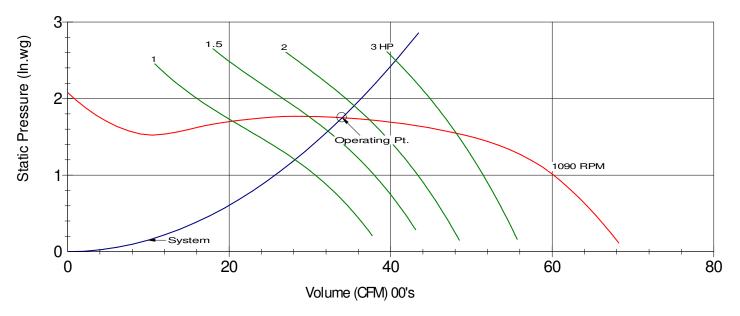
Sound Data 63 125 250 500 1000 2000 4000 8000 (Hz) LwA: 86 Sound Power Level @ 89 92 87 83 77 77 74 71 (dB) SONES: 25.7 Frequency, re: 10^-12 Watts

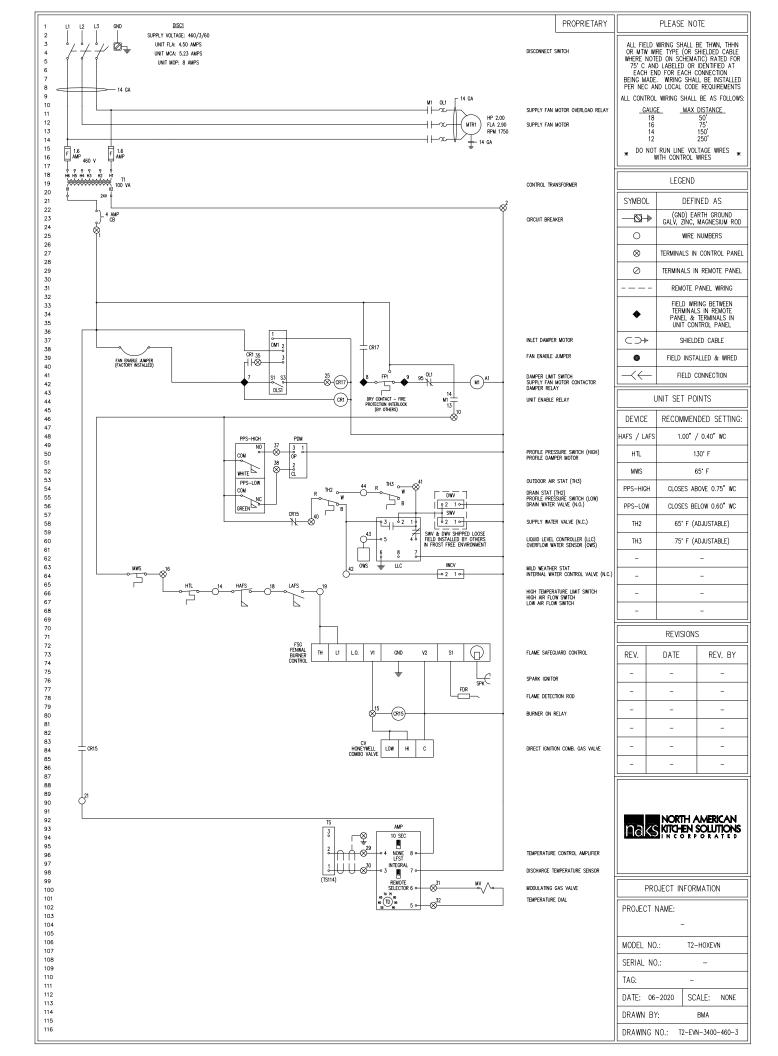
Ducted inlet or ducted outlet dBA @5 ft. 75

Ducted inlet and ducted outlet dBA @5 ft. 55

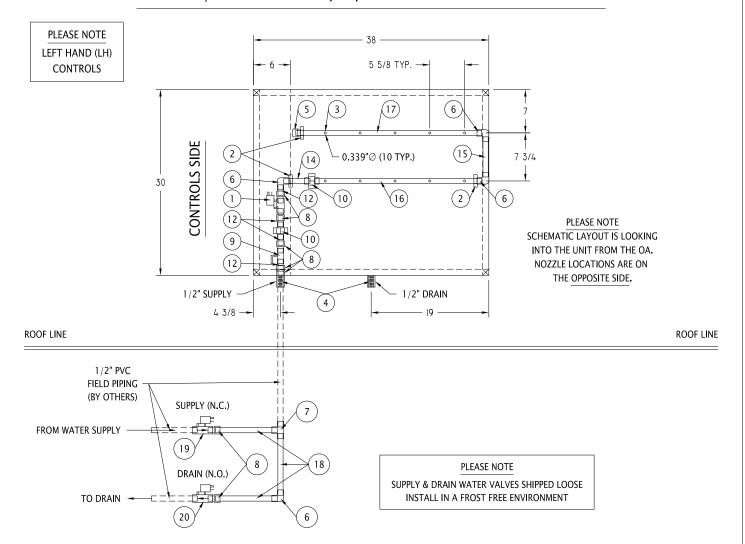
Performance Curve

DELHI Model G12 CFM=3400 SP=1.75 BHP=1.78 S. Eff=53% RPM=1090





EVN2 w/F&D VALVES (LH) - EVAP. PIPING SCHEMATIC



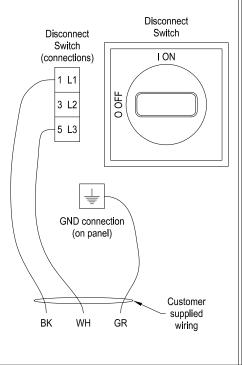
ITEM	QTY.	DESCRIPTION OF PART	
1	1	INTERNAL WATER CONTROL VALVE (N.C.)	
2	3	1/2" PIPE GROMMET	
3	10	WATER NOZZLE 115° w/FILTER	
4	2	1/2" 304SS COUPLING (welded on)	
5	1	1/2" PVC CAP	
6	4	1/2" PVC ELBOW	
7	1	1/2" PVC TEE	
8	7	1/2" PVC MALE ADAPTER	
9	1	1/2" PVC SHUT OFF COCK	
10	2	1/2" PVC UNION – SCH 40	
-	-	-	
12	4	1/2" PVC PIPE x 1-1/2"	
-	-	-	
14	1	1/2" PVC PIPE x 4-1/4"	
15	1	1/2" PVC PIPE x 6-1/2"	
16	1	1/2" PVC PIPE x 27" (with holes)	
17	1	1/2" PVC PIPE x 29–7/8" (with holes)	
18	3	1/2" PVC PIPE x 10"	
19	1	SUPPLY WATER VALVE (N.C.) – SHIPPED LOOSE & INSTALLED BY OTHERS	
20	1 DRAIN WATER VALVE (N.O.) – SHIPPED LOOSE & INSTALLED BY OTHERS		

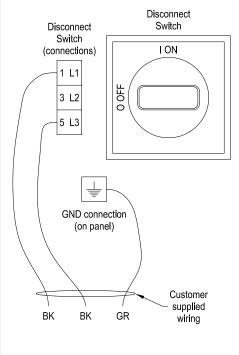


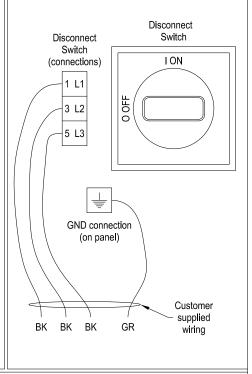
115-1-60

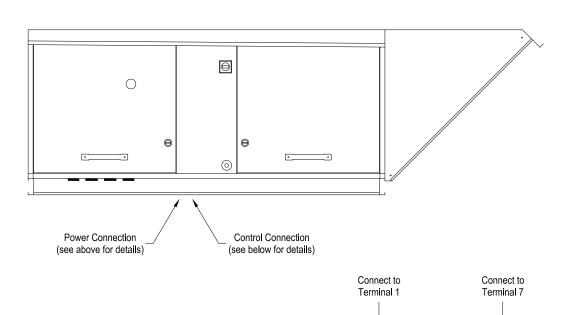
208/230-1-60

208/230/460/575-3-60











PROJECT NAME:	OJECT NAME: NAKS T1-T5 DIRECT FIRED MUA INSTALLATION WIRING					
REF. NO./JOB NO.:	_	MODEL:	T1-T5	TAG:	_	
DRAWN BY:	_	DATE:	06-2020	SCALE:	NONE	
CERTIFIED BY:		DRAWING NO.: T1-T5_INSTALL			L	

Fan Switch / Interlock Field provided BY OTHERS