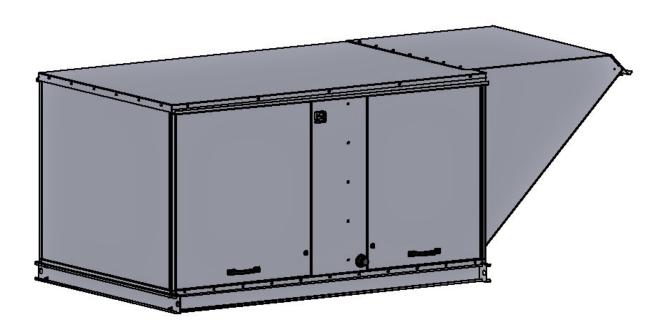


Gas-Fired Tempered Make-Up Air Unit / EVAP

Model:

T1-EVN-1200-208-3

3-Phase, 208V, 0.50 HP, Belt driven with Motorized Damper and 10-8" Blower. MAX 2,200 CFM



Tel: (440) 365-4567

Fax: (440) 365-2100

www.naksinc.com







T1-HOXEVN Direct Fired EVAP (475 lbs.)

Supply Motor:

Model K158, 0.50 HP, 208-3-60, 2.10 FLA, TEFC (Totally Enclosed Fan Cooled)

Supply Motor Pulleys:

Part Type	<u>Qty</u>	Browning #	Turns Out
Blower Pulley	1	MA38 x 3/4	
Motor Pulley	1	1VP34 x 5/8	3.5

Burner:

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

Size: 6" long Gas Type: Natural

Supply Performance:

Volume: 1200 cfm Volume Range: 800-2200 cfm

RPM 1071 TS: 3119 ft/min SP: 1.21" w.g.

0.50" Ext. + 0.40" Int. + 0.31" Opt.

BHP: 0.40

Heating Schedule:

Altitude: 0'

Winter Entering Air Dry Bulb Temp: 0°F

Temp Rise: 100°F Output BTU: 123,000 Input BTU: 134,000

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: 7 in. w.c. - 14 in. w.c.

Insurance: FM/ETL

Unit Main Input: 5.63 Amps MCA, 7 Amps MOP, 208V,

14 AWG Wire Min.

Supply Unit Voltage: 208v-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:

10-8" forward curved, centrifugal blower. Permanently lubricated ball bearings. Galvanized finish. 3/4" Shaft. 3,000 max. RPM. Used in heated and 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:

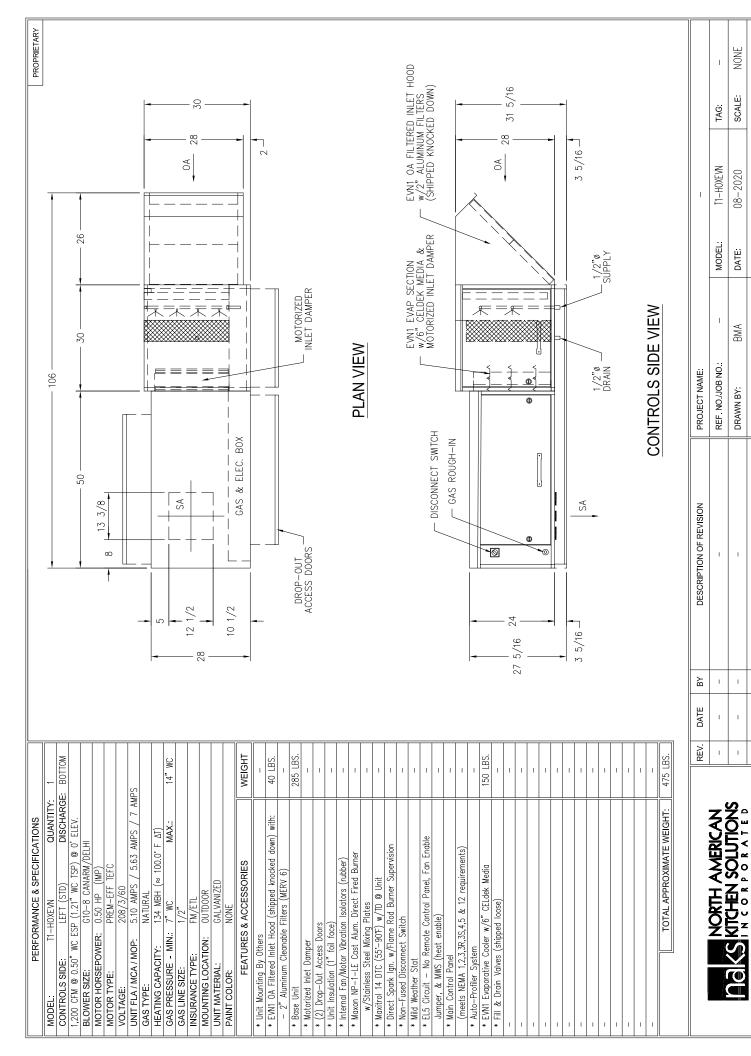
Size EVN1 CELdek Evaporative Cooler for T1 Modular Make-Up Air Heater. 30" Wide x 56" Long x 28" High. Includes intake hood with filters. For outdoor installation. Use with water softener recommended.

Filters:

2x MV EZ Kleen Metal Mesh Filter. 16"x 25"x 2" Used for heater and supply fan intakes.

Selected Options:

- * Motorized Inlet Damper 21"W x 22"H for EVN1/T1 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.



NONE

SCALE

08-2020

DATE

BMA

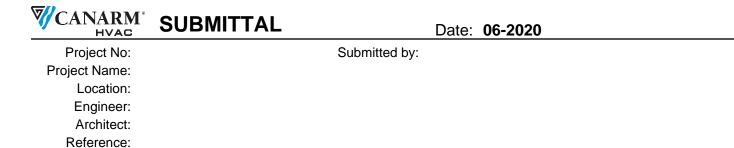
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T1-EVN-1200-208-3

DRAWING NO.

CERTIFIED BY: DRAWN BY:



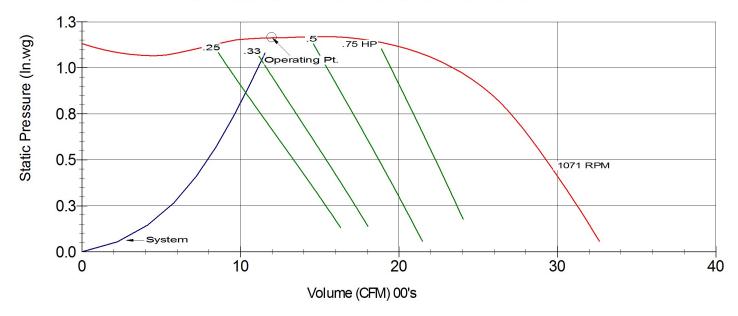
Equipment Tag

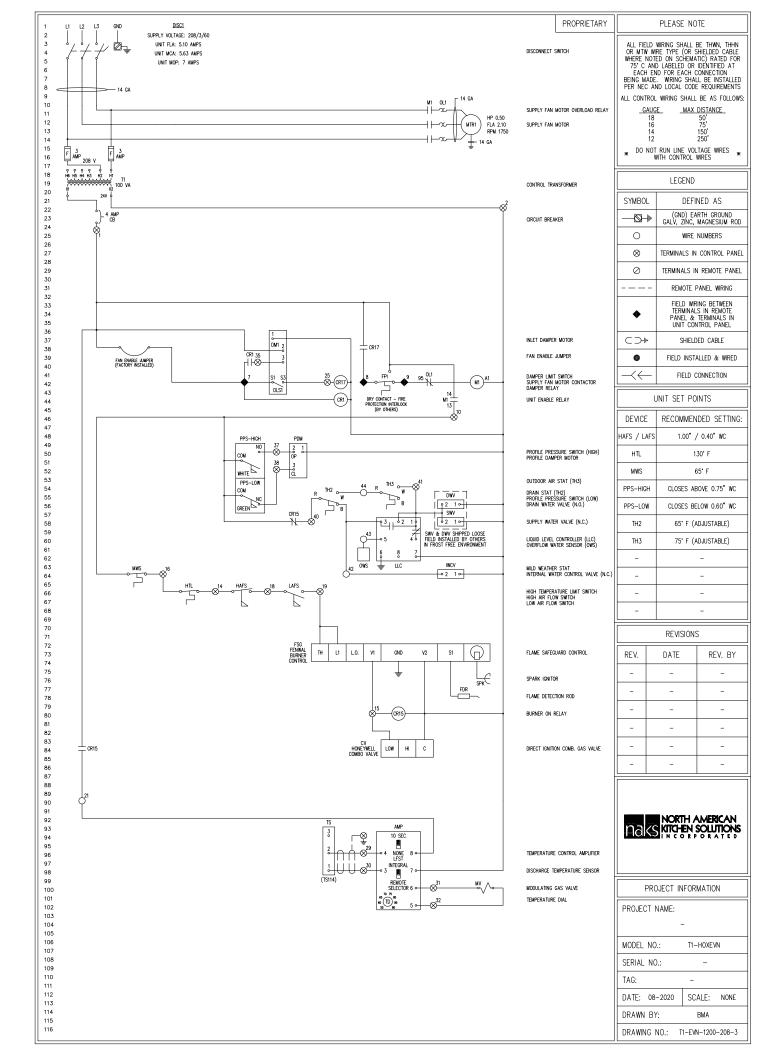
Contractor:

Model Information											
Model:	G10-8				Part Number:						
CFM:	1200		Shaft Diameter:		0.75 Unit Weight:			0			
SP:	1.21		Wheel Diameter:		11.125 Ship Weight:		0				
RPM:	1071	071		Tip Speed:		3119 FPM					
BHP: 0.4			Static Efficiency:			57 Elevation:			0		
				Outlet Velocity:		1447 FPM Temperature:		70			
Sound Data	63	125	250	500	1000	2000	4000	8000	(Hz)	LwA:	81
Sound Power Level @ Frequency, re: 10^-12 Watts	86	84	81	77	74	73	69	67	(dB)	SONES:	18.3
Du	cted inlet	t or duc	ted outle	et dBA	@5 ft. 7	70		Duc	eted inlet	and ducted	l outlet dBA @5 ft. 50

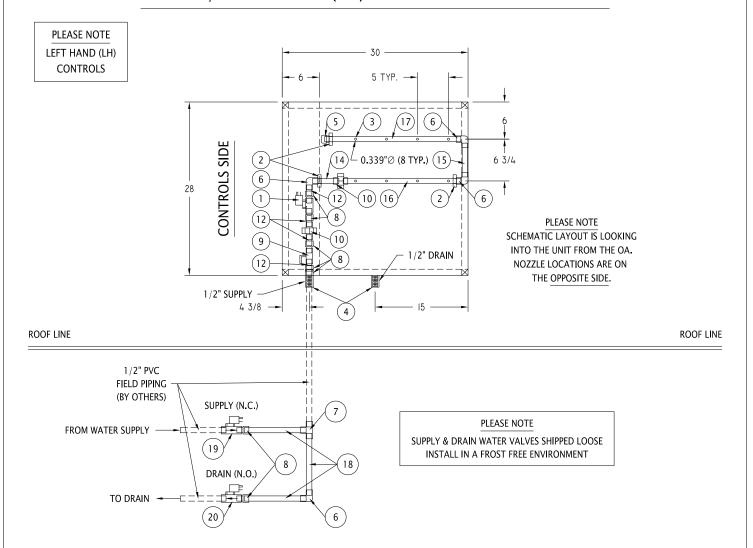
Performance Curve

DELHI Model G10-8 CFM=1200 SP=1.21 BHP=0.4 S. Eff=57% RPM=1071





EVN1 w/F&D VALVES (LH) - EVAP. PIPING SCHEMATIC



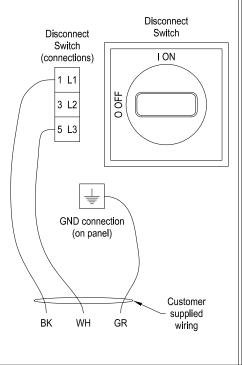
ITEM	QTY.	DESCRIPTION OF PART
1	1	INTERNAL WATER CONTROL VALVE (N.C.)
2	3	1/2" PIPE GROMMET
3	8	WATER NOZZLE 115° w/FILTER
4	2	1/2" 304SS COUPLING (welded on)
5	1	1/2" PVC CAP
6	4	1/2" PVC ELBOW
7	1	1/2" PVC TEE
8	7	1/2" PVC MALE ADAPTER
9	1	1/2" PVC SHUT OFF COCK
10	2	1/2" PVC UNION – SCH 40
-	_	-
12	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 5-1/2"
16	1	1/2" PVC PIPE x 19" (with holes)
17	1	1/2" PVC PIPE x 21–7/8" (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

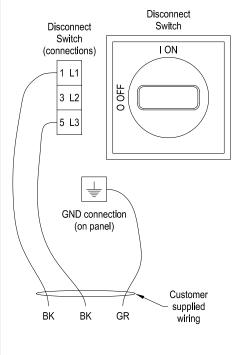


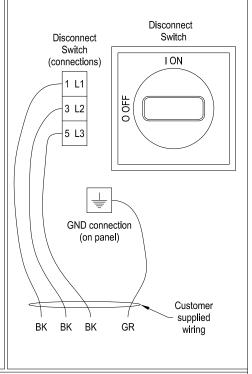
115-1-60

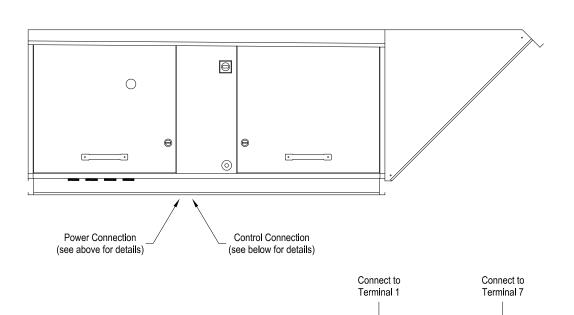
208/230-1-60

208/230/460/575-3-60











PROJECT NAME:	NAKS T1-T5 DIRECT	FIRED M	IUA INSTALLAT	TON WIRING	
REF. NO./JOB NO.:	_	MODEL:	T1-T5	TAG:	_
DRAWN BY:	_	DATE:	06-2020	SCALE:	NONE
CERTIFIED BY:		DRAWING	NO.:	T1-T5_INSTAL	L

Fan Switch / Interlock Field provided BY OTHERS