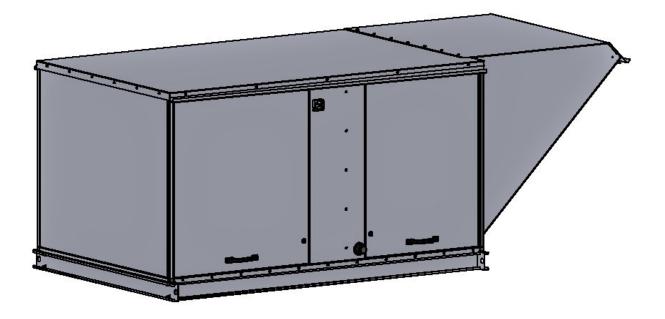


# Gas-Fired Tempered Make-Up Air Unit / EVAP

## Model:

T2-EVN-3400-230-3 3-Phase, 230V, 2.00 HP, Belt driven with Motorized Damper and 12" Blower. MAX 3,400 CFM









T2-HOXEVN Direct Fired EVAP (625 lbs.)

#### Supply Motor:

Model EM3558T, 2.00 HP, 230-3-60, 5.80 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: 10.25 Amps MCA, 15 Amps MOP, 230V, 14 AWG Wire Min. Supply Unit Voltage: 230v-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 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 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.

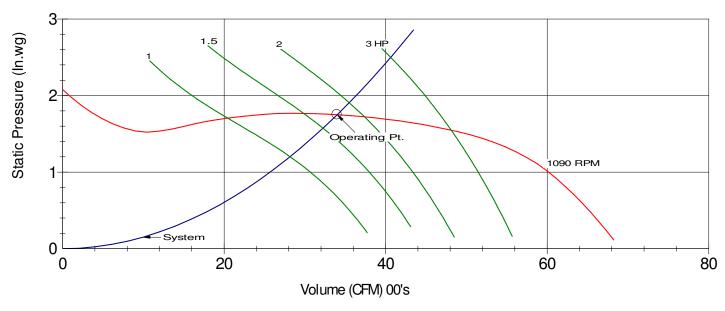
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CONTROLS SIDE: LEFT (STD) DISCHARGE:	BOTTOM				- 135		7		
1.50" WC ESP (1.75" WC TSP) @ (		<del>, , ,</del>		,	+0-				
G12 CANA						32	-		
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		-		9 1/4 15 7/16					
MCA / MOP.	PS								
NATURAL								·	
375 MBH (≈ 98.3° F		-		- ;		    -  - 	-	-	
E - MIN:	14" WC			/ 3/16					
GAS LINE SIZE: 3/4" INSUIDANCE TYDE: EN (ET)							C		
.NC		-		32 17 5/8		   - - 	35	- 28	
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FEATURES & ACCESSORIES	WEIGHT			- / 3/16 GAS	& ELEC. BOX H M - A A BUN	· 	-		
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* EVN2 OA Filtered Inlet Hood (shipped knocked down) with:	50 LBS.						с Г		
- Z Aluminum Cleanable Filters (MEKV b) * Breat Init	- 385 I BC				MOTORIZEI	_			
* Motorized Inlet Damoer	-	1		ACCESS DOORS	INLET DAMPER	er.			
* (4) Drop-Out Access Doors	1								
* Unit Insulation (1" foil face)	1								
* Internal Fan/Motor Vibration Isolators (rubber)	I								
* Maxon NP-1-LE Cast Alum. Direct Fired Burner	1								
w/Stainless Steel Mixing Plates	1								
* Maxitrol 14 DTC (55-90F) w/TD @ Unit	1								
* Direct Spark Ign. w/Flame Rod Burner Supervision	Т								
* Non-Fused Disconnect Switch	ı								
* Mild Weather Stat	,					CTION	EVNIO DA FILTERED	INI ET HOOD	
TELO UICUIT - NO REMOTE CONTROL PARE, FAN ENABLE ILIMINIA B. NUNC (hard anabla)	1	-			DISCONNECTW/6" CELDEK MEDIA &	AEDIA & 7	- w/2" ALUMINUM FILTERS	TERS	
* Main Control Panel						et damper /	(SHIPPED KNOCKED	DOWN)	
(meets NEMA 1,2,3,3R,3S,4,5 & 12 requirements)	I							-	
* Auto-Profiler System						/		•	
* EVN2 Evaporative Cooler w/6" CELdek Media	190 LBS.					//			
* Fill & Drain Valves (shipped loose)	1		ŗ	- <sup>20</sup>		`\	- VO		
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TOTAL APPROXIMATE WEIGHT:	625 LBS.	ربال		COI	CONTROLS SIDE VIEW				
	REV.	, DATE	E BY	DESCRIPTION OF REVISION	PROJECT NAME:		I		
NORTH AMERICAN	1	I	I	1	REF. NO./JOB NO.	MODEL:	T2-HOXEVN	TAG.	
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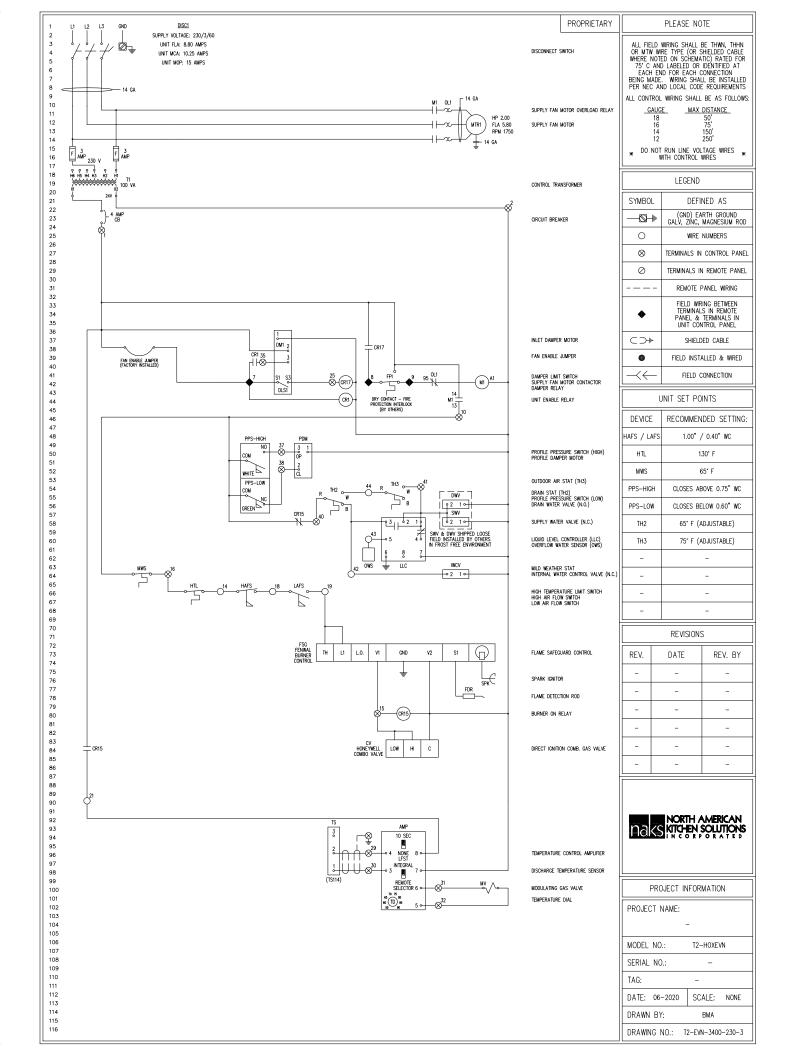
	SUBMITTAL		Date: 06/2020
Project No:		Submitted by:	
Project Name:			
Location:			
Engineer:			
Architect:			
Reference:			
Equipment Tag		Contractor:	

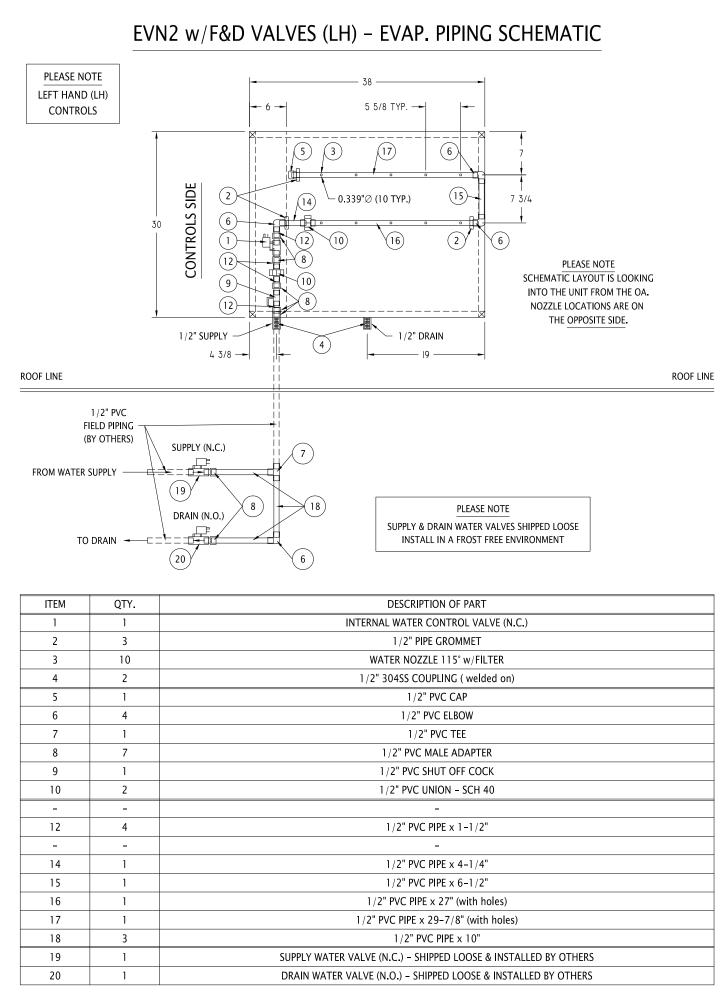
Model Informa	tion										
Model:	G12				Part Nu	umber:	9005464				
CFM:	3400			Sł	naft Dia	meter:	0.75		Ur	nit Weight:	48
SP:	1.75			Wh	eel Dia	meter:	12.875		Sh	ip Weight:	52
RPM:	1090				Tip S	Speed:	3674 F	PM			
BHP:	1.78			Sta	tic Effic	ciency:	53			Elevation:	0
				0	utlet Ve	elocity:	2332 F	PM	Ten	nperature:	70
Sound Data	63	125	250	500	1000	2000	4000	8000	(Hz)	LwA:	86
Sound Power Level @ Frequency, re: 10^-12 Watts	89	92	87	83	77	77	74	71	(dB)	SONES:	25.7
Ducted inlet <u>or</u> ducted outlet dBA @5 ft. 75 Ducted inlet <u>and</u> ducted outlet dBA @5 ft. 55											

Performance Curve

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







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REV. 02-27-18 AMB

