## FOR QUESTIONS, CALL THE FLO AIRE NATIONAL REGION 22 PHONE: (610) 239-8405 EMAIL: courtney.hardin@floaire.com

MUA	FAN	INFORMATION	_	J0B#5929686
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FAN UNI NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
1	3500/4000CFM	1	F2-D.500-20D	20MF-2-MOD	A2-D.500	2000	3500	0.500	1365	ODP,PREMIUM	3.000	1.4750	3	208	9.5	14.1A	20A	694	11.9

GAS FIRED MAKE-UP AIR UNIT(S)

	FAN UNIT NO	TAG	INPUT BTUs	OUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
I	1	3500/4000CFM	345468	317831	85*F	7 IN. W.C 14 IN. W.C.	NATURAL	92

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FAN UNIT NO	TAG	QTY	DESCRIPTION
		1	SIZE 2 TEMPERED COMMERCIAL DOWN DISCHARGE FOR DIRECT DRIVE AHUS
		1	INLET PRESSURE GAUGE, 0-35'
		1	MANIFOLD PRESSURE GAUGE, -5 TO 15' WC
		1	BUTTERFLY MOD VALVE OPTION FOR MOD SIZE 2 (1' MOD VALVE)
		1	SHIP LODSE GAS STRAINER 1"
		1	MOTORIZED BACKDRAFT DAMPER FOR A2-D HOUSING - MEETS AMCA CLASS 1A RATING
		1	LOW FIRE START
		1	FREEZESTAT (10)
1	3500/4000CFM	1	VAV PACKAGE W/ MANUAL/DDC CONTROL (571 VFD INCLUDED)
		1	VFD FACTORY MOUNTED AND WIRED IN COMMERCIAL CONTROL VESTIBULE FOR TEMPERED SUPPLY FAN
		1	SIZE 2 DIRECT FIRED HEATER LOW CFM PROFILE PACKAGE - USED ON HEATERS UNDER 2500 CFM
		1	CONTROL PANEL ENCLOSURE HEATER - RECOMMENDED FOR WINTER DESIGN TEMPERATURES LESS THAN 0°F
		1	CONVENIENCE DUTLET (GFCI), 15 AMP - REQUIRES SEPARATE 120V CONNECTION - INCLUDES RECEPTACLE AND J-BOX
		1	2 YEAR PARTS WARRANTY

FAN ACCESSORIES

FAN UNIT	TAG		EXHAUST		SUPPLY						
ND ONI	TAG	GREASE CUP	GRAVITY DAMPER	SIDE DISCHARGE		MOTORIZED DAMPER	WALL MOUNT				
1	3500/4000CFM					YES					

CURB ASSEMBLIES

ŀ	۷D	DN FAN	TAG	WEIGHT	ITEM	SIZE
	1	# 1	3500/4000CFM	76 LBS	CURB	31.000'W X 79.000'L X 16.000'H ALDNG WIDTH, RIGHT INSULATED.

FAN SOUND DATA

FAN	TAG	MOTOR	SDUND DATA DCTAVE BAND SDUND DATA											
UNIT ND			LWA	SONES @ 5 FT	DBA @ 5 FT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 KHZ
1	3500/4000CFM	SUPPLY	75.2	11.8932679873971	63.7	5	71	78.7	73.6	73.1	69.4	66.7	63.7	60.3



JOB 3500/4000cfm**Hea	ter Sto	ck
LOCATION Southboroug	gh, MA,	
DATE 4/3/2023	JOB #	5929686
DWG # 1	DRAWN	<i>BY</i> courtney
REV.	SCALE	3/8" = 1'-0"

FAN 81 F2-15/0-20D - NEATER CISON/4000CFO

1. DIRECT GAS FRED NEATED NACE UP AIR UNIT VITH 20' MIXED FLOW DIRECT DRIVE FAN.

2. DIFFARE MOD WITH LZ FILTER CHIT -> LETT.

4. DIVIN JISCHARGE CONSTRUCTION FOR SIZE 2 DIRECT DRIVE AHAS.

4. DIVIN JISCHARGE CONSTRUCTION FOR SIZE 2 DIRECT DRIVE AHAS.

5. AND PRESSER GAUGE, 0-29, 25' DIRECTER, 1/4' THREAD SIZE.

6. AND FLOSSE GAUGE, 0-29, 25' DIRECTER, 1/4' THREAD SIZE.

6. SHIP LOSSE GAUGE, 0-29, 25' DIRECTER, 1/4' THREAD SIZE.

7. SHIP LOSSE GAS STRAINER TO BE DISTRAIN OF UNIT CONNECTION. 1' CONNECTION.

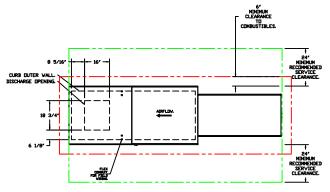
8. SHIP LOSSE GAS STRAINER TO BE DISTRAIN OF UNIT CONNECTION. 1' CONNECTION.

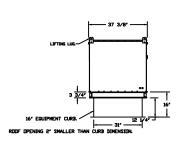
9. SHIP LOSSE GAS STRAINER TO BE DISTRAIN OF UNIT CONNECTION. 1' CONNECTION.

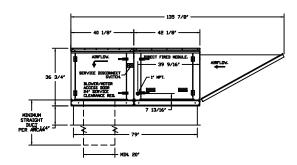
10. INVESTIGATION OF THE BANGER CROWN TO SHORT OF WORLD AND THE WORLD AND T

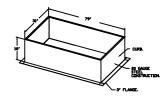
HADTE SUPPLY INCE MUST BE INSTALLED TO MEET SMACH STANDARDS, A HIDDARN STRAIGHT JUCT LENGTH MUST BE MINITAINED 
BRUNSTREAM OF UNIT DISCHARGE AS DUTLINED IN AMCA PIBLICATION BE. VERNI USING RECTIVABLAR DISCHYRIK, RUSH MUST 
BE BABUS THEBUT, RABIUS BACK WITH TURNING VANES, FLICKIBLE DUCTURE AND SOURCE THERAT/SOURCE BACK ELBIVES SHOULD 
BUT BE LEES, ANY TRANSITION AND/OFF UNEN. IN THE JUCTURES VILL CAUSE SYSTEM PETECT SYSTEM DEFECT SYSTEM PETECT SYSTEM DEFECT SYSTEM PETECT SYSTEM DEFECT SYSTEM PETECT SYSTEM SYSTEM PETECT SYSTEM PETECT SYSTEM PET











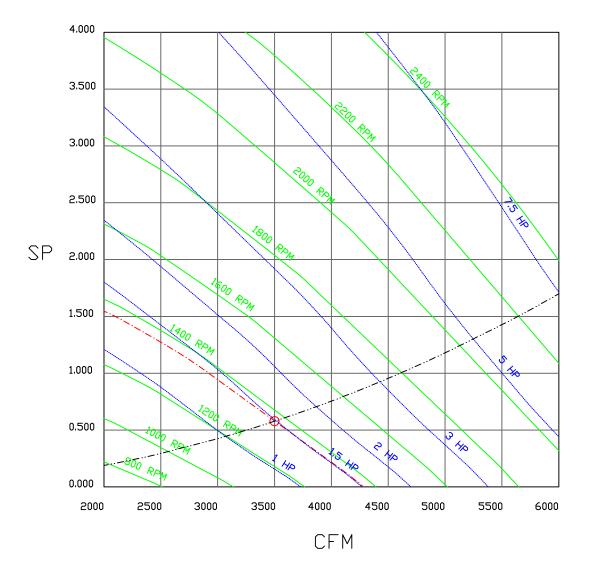




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<i>JOB</i> 3500/4000cfm**Hea	ter Stock
LOCATION Southboroug	gh, MA,
DATE 4/3/2023	<i>JOB #</i> 5929686
DWG # 2	DRAWN BY courtney
REV.	SCALE 3/16" = 1'-0"

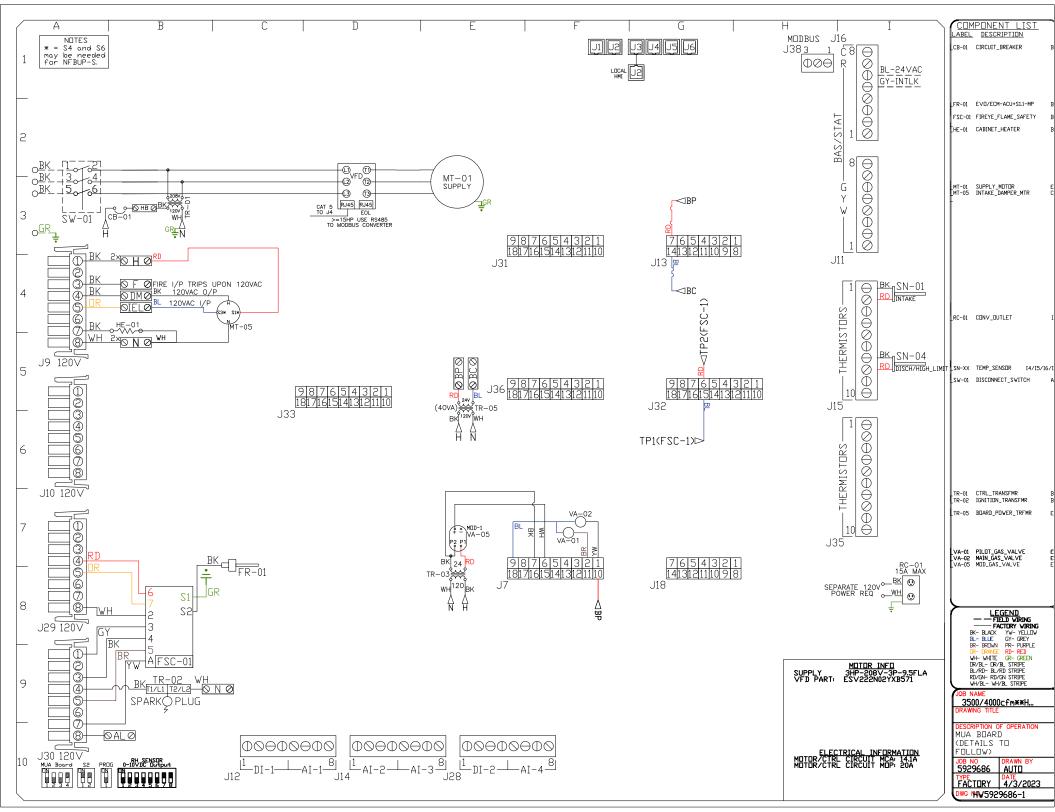
## 3500 CFM, 0.578 SP @ 1365 RPM AND 1.475 BHP AT 0 FEET AND 75 DEG F. \* PLEASE NOTE THAT THESE CURVES WERE ADJUSTED FOR JOB SPECIFIC TEMPERATURE AND ALTITUDE.







<i>JOB</i> 3500/4000cfm**Hea	ter Sto	ck
LOCATION Southboroug	gh, MA,	
DATE 4/3/2023	JOB #	5929686
DWG # 3	DRAWN	<i>BY</i> courtney
REV.	SCALE	3/8" = 1'-0"



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-tk		Installed Options	Component Identification							MUTOR INFO SUPPLY 3HP-208V-3P-9.5FLA VFD PART: ESV222N02YXB571	ELECTRICAL INFORMATION	MDTDR/CTRL CIRCUIT MCA: 14.1A	NOTES DENOTES FIELD WIRING	DENDITES INTERNAL WIRING WIRE COLOR  BK - BLACK YW - YELLOW BL - BLUE GR - GREEN BR - BROWN GY - GRAY OF - GRAY DE - DIDDIE	- KED - VHITE
5929686 - 3500/4000cfm**Heater Stock	E 4/3/2023   MIDEL F2-D.500-20D	SMV 571 SERIES VARIABLE FREQUENCY DRIVE	Digital Input:(Start/Stop) Internal 12VDC Supply for External Devices Analog Common Analog Dutput: Configurable with P150P155		Ground Terminal 3 Phase Input or Sinale Phase Input	3 Phase AC Motor 4 Phase AC Motor 5 Phase AC Motor	SUPPLY DRIVE PARAMETER SETTINGS*	EPM PRUGRAM IBT 571 P100 (Start Source) = 01 (Terminal Strip) P102 = ###Minum Frequency (Hz) P103 = ###Minum Frequency (Hz) P103 (TB-30 Uutput) = 1 P104 (Password) = 225 P410 (Modbus Address) = 21	Adjust manually on all drives P107 - 00 (If 120 or 208 VAC) or 01 (If 230, 480 or 573 VAC) P108 - Hotor FLA × 100 / Drive Dutput Rating P105 Gase Voltage) = 28 st to Motor Voltage (Presste230V) P165 FDR STANDARD MRIVE P167 (Base Frequency) = Calculated Per Fan P121 For Large HP XISHP set it to 9	IT MAY BE REQUIRED TO FULLY POWER DOWN THE DRIVE AND TURN BACK ON IN ORDER TO INITIATE NEW PARAMETER SETTINGS. ***Min. and Max. Frequency Settings override all other Preset speeds/Parameters.				GENERAL NOTES.	
VFD Wiring	DRAWING NUMBER VFD5929686-1 SHIP DATE	8	1 1 11 2 30	To J4 on RJ45 IBT Board EDL RFSISTIR RJ45	3d -	POWER SUPPLY 12 (N) 13 (N) 14 (N) 15 (N) 17		All external control wires to motor speed control should be 16-20 AVG shelded multiconductor cables and must not be run in the same conduit confounds with any high power wiring. Ground Shielded Cable at the drive chasis DNLY.	SCRIBES THE PROPER SCRIBES THE PROGRAMMING SCRIBES THE PARAMETER	AND IE HE DRIVE IS '225'.					
IA	DRA∖	- a	w 4	1 ک ی	<b>\</b>	9 10	11	12 13	14 15	16	17	19	5 50	25 25	53

5929686 - 3500/4000cfm\*\*Heater Stock

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