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

MUA	FAN	INFORMATION	_	J0B#5934895
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FAN UNIT ND	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	H-	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
1	2500CFM	1	F2-D.250-20D	20MF-2-MOD	A2-D.250	2000	2500	0.500	1089	ODP,PREMIUM	1.500	0.7290	3	208	4.4	7.7A	15A	674	8

GAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT NO	TAG	INPUT BTUs	DUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
1	2500CFM	246763	227022	85*F	7 IN. W.C 14 IN. W.C.	NATURAL	92

FAN OPTIONS

r AIV	OFIIONS		
FAN UNIT ND	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	2500CFM	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	TAG		EXHAUST	SUPPLY					
ND	IAG	GREASE CUP	GRAVITY DAMPER	SIDE DISCHARGE		MOTORIZED DAMPER	WALL MOUNT		
1	2500CFM					YES			

CURB ASSEMBLIES

N	FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	2500CFM	76 LBS	CURB	31.000'W X 79.000'L X 16.000'H ALDNG WIDTH, RIGHT INSULATED.

FAN SOUND DATA

I. MIA	SOUND .	DAIA															
FAN UNIT	TAG	MOTOR		SOUND DATA			DCTAVE BAND SDUND DATA										
ND		MUTUR	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	2500CFM	SUPPLY	69.5	8.00966694580602	58	5	67.1	74.7	69.6	66.7	63.3	60.9	57.8	54.2			



JOB 2500cfm** Heater	Stock	
LOCATION Southboroug	h, MA,	
DATE 4/3/2023	JOB #	5934895
DWG # 1	DRAWN	BY courtney
REV.	SCALE	3/8" = 1'-0"

FAN 81 F2-12/30-20D - HEATER (2500CFN)

1. DIRECT GAS FRED HEATER HAKE UP AND LIVET YITH 20' MIXED FLOW DIRECT DRIVE FAN.

2. DITACK HOOD WITH LZ FILTER HEAT -> LETT.

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

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

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

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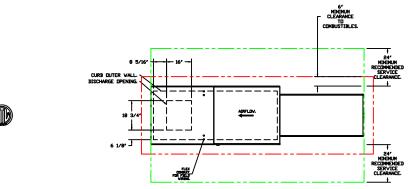
7. SIZE SIZE SIZE SIZE TO BE DISTRUCTED USSTRAND OF UTIL CONNECTION.

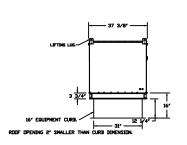
8. SIZE DISTRUCTED BACK BROWT DAMES 22.7' X 24' FIR SIZE 2 STANDARD & MODILAR REATER UNITS V/EXTENDED SHAFT, STANDARD BACK BROWT DAMES 22.7' X 24' FIR SIZE 2 STANDARD & MODILAR REATER UNITS V/EXTENDED SHAFT, STANDARD BACK BROWT DAMES 22.7' X 24' FIR SIZE 2 STANDARD & MODILAR REATER UNITS V/EXTENDED SHAFT, STANDARD BACK BROWT DAMES 22.7' X 24' FIR SIZE 2 STANDARD & MODILAR REATER UNITS V/EXTENDED SHAFT, STANDARD BACK BROWT DAMES 25' X 25' FIR SIZE 2 STANDARD & MODILAR REATER UNITS V/EXTENDED SHAFT, STANDARD BACK BROWT DAMES 25' X 25' FIR SIZE 2 STANDARD & MODILAR REATER UNITS V/EXTENDED SHAFT, STANDARD BACK BROWT DAMES 25' X 25' FIR SIZE 2 STANDARD & MODILAR REATER UNITS V/EXTENDED SHAFT, STANDARD BACK BROWT DAMES 25' X 25' FIR SIZE 2 STANDARD & MODILAR REATER UNITS V/EXTENDED SHAFT, STANDARD BACK BROWT DAMES 25' X 25' X 25' FIR SIZE 2 STANDARD BACK BROWT DAMES 25' X 25'

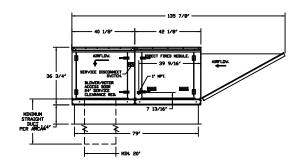
HADTE SUPPLY INCE MUST BE INSTALLED TO MEET SMACH STANDARDS, A HIDDARN STRAIGHT JUCT LENGTH MUST BE MINITAINED
BRUNSTREAM OF UNIT DISCHARGE AS DUTLINED IN AMEA PIBLICATION BE. VERNI USING RECTIVABLAR DICTURING, RUSH MUST
BE RABIUS THRUIT, RABIUS MACK WITH TURNING VANES, FLICKIBLE DUCTURIS AND SQUARE THRUIT/SQUARE MACK ELBRIVS SHOULD
MAT BE LEES, ANY TRANSITION AND/OFF UNION. IN THE JUCTURIS VILL CAUSE SYSTEM PETECT SYSTEM DEFECT SYSTEM PETECT SYSTEM PETECT

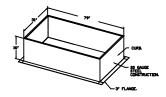
SUPPLY SIDE HEATER INFORMATION VINTER TEMPERATURE = -10°F. TEMP. RISE = 85°F. BTUS CALCULATED DFF ACTUAL AIR DENSITY. DUTPUT BTUS AT ALTITUDE OF 0.0 FT. = 22°F022. INPUT BTUS AT ALTITUDE OF 0.0 FT. = 246763.







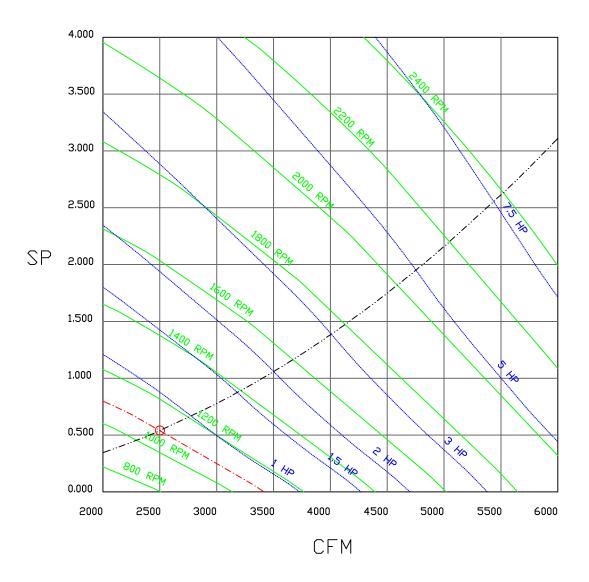






JOB 2500cfm** Heater	Stock	
LOCATION Southboroug	gh, MA,	
DATE 4/3/2023	JOB #	5934895
DWG # 2	DRAWN	<i>BY</i> courtneyh
REV.	SCALE	3/16" = 1'-0"

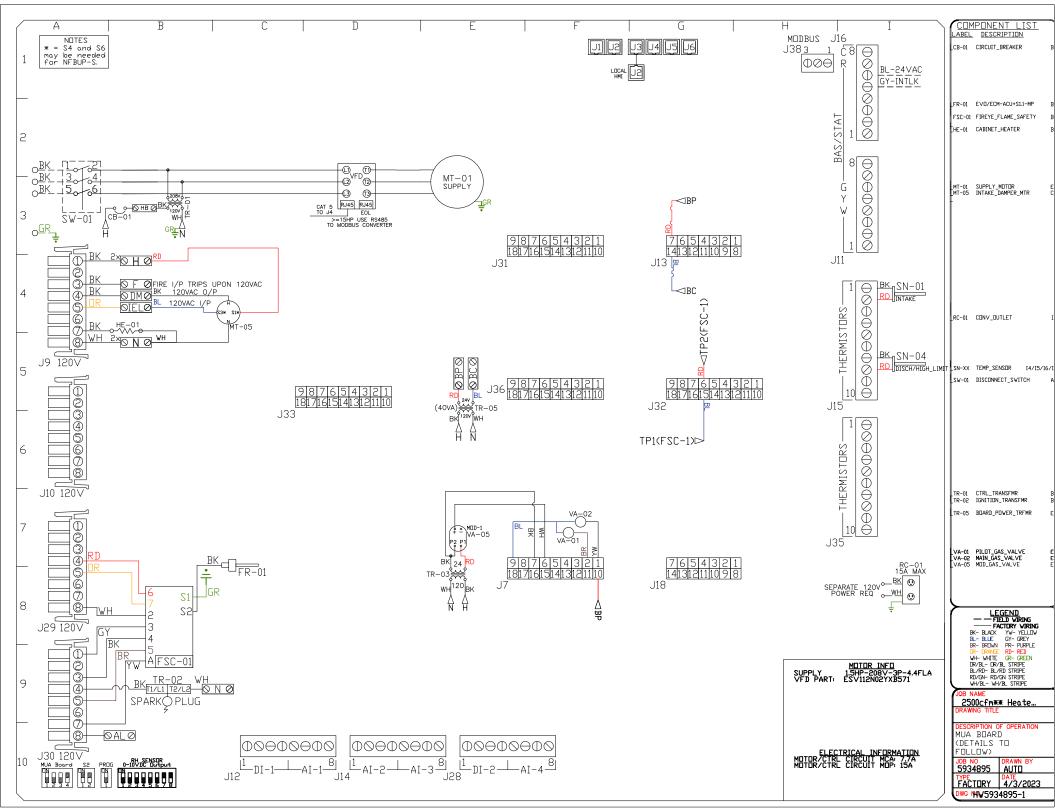
2500 CFM, 0.54 SP @ 1089 RPM AND 0.729 BHP AT 0 FEET AND 75 DEG F. * PLEASE NOTE THAT THESE CURVES WERE ADJUSTED FOR JOB SPECIFIC TEMPERATURE AND ALTITUDE.







JOB 2500cfm** Heater	Stock	
LOCATION Southboroug	h, MA,	
DATE 4/3/2023	JOB #	5934895
<i>DWG #</i> 3	DRAWN	<i>BY</i> courtneyh
REV.	SCALE	3/8" = 1'-0"



		Installed Options	Component Identification								MOTOR INFO SUPPLY 1.5HP-208V-3P-4.4FLA VFD PART: ESV112N02YXB571	MUTTER CTRICAL INFORMATION MOTTER CTRICAL INFORMATION		NOTES DENDIES FIELD WIRING DENDIES INTERNAL WIRING	BK - BLACK YW YELLOW BL - BLUE GR - GREN BR - BROWN GY - GRAY OR - ORANGE PR - PURPLE RD - RED WH - WHITE
5934895 - 2500cfm** Heater Stock	DATE 4/3/2023 MODEL F2-D.250-20D	E L	NAL FUNCTION Digital Input:(Start/Stop) Internal 12/DC Supply for External Devices Analog Common Analog Dutput: Configurable with P150P155		Ground Terminal		3 Phase AC Motor 3 Phase AC Motor	SUPPLY DRIVE PARAMETER SETTINGS*	EPM PRIGRAM IBT 571 PIOD (Start Source) = 01 (Terminal Strip) PIOS = ##Minimum Frequency (Hz) PIOS = ##Maximum Frequency (Hz) PIOS (TB-90 Untput) = 1 PIO4 (Password) = 225 P410 (Modbus Address) = 21	Adjust manually on all drives P107 - 00 (If 120 on 208 VAC) or 01 (If 230, 480 on 575 VAC) P108 - Wotor FLA x 100 / Drive Dutput Rating P165 (Base Voltage) = Set to Mortor Voltage (Presste230V) P165 FIRS TRANDARD BINVE DNLY P167 (Base Frequency) = Calculated Per Fan P121 For Large HP >15HP set it to 9	IT MAY BE REQUIRED ID 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	SHIP SHIP	1 8	3 11 11 11 11 11 11 11 11 11 11 11 11 11	To J4 on RJ45 IBT Board 6 EDL RJ45 RJ45	PE SISSIEM	9 POWER SUPPLY ———————————————————————————————————	10 MDTDR V	11	All external control wires to notor speed control should be 16-20 AWG shielded multiconductor cobies and must not be run in the same conduit or raceway with any high power wiring. Ground Shielded Cable at the drive chasis DNLT.	PG. 11 OF THE DRIVE MANUAL DESCRIBES THE PROPER INSTALLATION PROCEDURE PG. 19 OF THE DRIVE MANUAL DESCRIBES THE PROGRAMMING PROCEDURE OF THE DRIVE PG. 23 OF THE DRIVE MANUAL DESCRIBES THE PARAMETER 15 SETTINGS OF THE DRIVE	**NUTE, THE DEFAULT PASS/WIRD FROM THE FACTORY REQUIRED TO PROGRAM THE DRIVE 1S '2255'. 16 17	18	19	. To	53

