FDR QUESTIDNS, CALL THE FLD AIRE NATIDNAL REGIDN 22 PHIDRE: (610) 239-8405 EMAIL: courtney.hardin@floaire.com

MUA FAN INFORMATION - JOB#5934934

F# UN N		TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	МПСР	WEIGHT (LBS)	SONES	
1	1 4	500/5000CFM	1	F2-D.500-20D	20MF-2-MOD	A2-D.500	2500	4500	0.500	1656	DDP, PREMIUM	5.000	2.6610	3	208	15.0	20.9A	35A	702	17.2	

CAS FIRED MAKE-UP AIR UNIT(S)

FAN UNIT ND	TAG	INPUT BTUs	DUTPUT BTUs	TEMP RISE	REQUIRED INPUT GAS PRESSURE	GAS TYPE	BURNER EFFICIENCY(%)
1	4500/5000CFM	444174	408640	85*F	7 IN. W.C. – 14 IN. W.C.	NATURAL	92

FAN OPTIONS

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	4500/5000CFM	1	FREEZESTAT (10)
		1	VAV PACKAGE W/ MANUAL/DDC CEINTREL (571 VFD INCLUDED)
		1	VFD FACTORY MOUNTED AND WIRED IN COMMERCIAL CONTROL VESTIBULE FOR TEMPERED SUPPLY FAN
		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		SUPF	°LY	
ND		GREASE CUP	GRA∨ITY DAMPER	SIDE DISCHARGE		MOTORIZED DAMPER	WALL MOUNT
1	4500/5000CFM					YES	

CURB ASSEMBLIES

ND	DN FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	4500/5000CFM	76 LBS	CURB	31.000"W X 79.000"L X 16.000"H ALDNG WIDTH, RIGHT INSULATED.

FAN SOUND DATA

	TAG	MOTOR		SOUND DATA					DCTAVE	BAND SOUN	ID DATA			
		MUTUK	LWA	SEINES Se 5 FT	DBA @SFT	DISTANCE (FT)	63 HZ	125 HZ	250 HZ	500 HZ	1 KHZ	2 KHZ	4 KHZ	8 кнг
1	4500/5000CFM	SUPPLY	80.5	17.1767011270497	69	5	74.4	82	80	78.6	74.7	71.6	68.8	65.5



 $\bigoplus_{\text{interfect}} \bigoplus F \cup A \mid r \in$

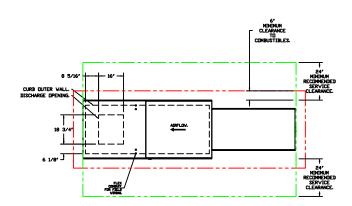
JOB 4500/5000cfm**Hea	ter Stock
LOCATION Southboroug	рh, MA,
DATE 4/3/2023	<i>JOB #</i> 5934934
<i>DWG #</i> 1	DRAWN BY courtney
REV.	SCALE $3/8'' = 1'-0''$

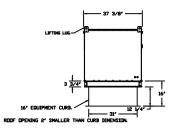
Ð

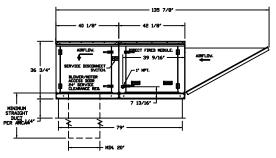
FAN AI F2-D300-000 - HEATER (4500/5000CTM) 1. DIRECT DAS FREE HEATED NACE UP AIR UNIT VITH BY MIXED FLOW DIRECT DRIVE FAN. 2. DIVAL MEDIATION DIVITE ZE FILTERIATED JOINT 3. DIVAL DIVIDEZ AL DIVIDEZ DA DIVIDEZ DE DIRECT DRIVE ANS. 5. GAS FREESSNEE GAUGE -0.37, 257 UNATER, 1/4' THEAD SIZE 5. GAS FREESSNEE GAUGE -0.37, 257 UNATER, 1/4' THEAD SIZE 5. GAS FREESSNEE GAUGE -0.37, 257 UNATER, 1/4' THEAD SIZE 5. GAS FREESSNEE GAUGE -0.37, 257 UNATER, 1/4' THEAD SIZE 5. GAS FREESSNEE GAUGE -0.37, 257 UNATER, 1/4' THEAD SIZE 5. GAS FREESSNEE GAUGE -0.37, 277 X 24' FDR SIZE 2 STANDARD A MODILAR HEATER WITS V/EXTENDED SWAT, STANDARD GAL VARIEZ GAS STANDART IN BE INSTALLED UNFIREM DY UNIT CONNECTION. 1' CONNECTION 9. DITIDIZZD DACK BART DWARE 22.37 X 24' FDR SIZE 2 STANDARD A MODILAR HEATER WITS V/EXTENDED SWAT, STANDARD GAL VARIEZ GAS STANDART IN BE INSTALLED UNFIREM DY UNIT CONNECTION. 1' CONNECTION 9. DITIDIZZD DACK BART DWARE 22.37 X 24' FDR SIZE 2 STANDARD A MODILAR HEATER WITS V/EXTENDED SWAT, STANDARD 10. FREEZESTAT VITH DY SONDR. FACTORY SIZE AT 335'F AND DA MODILAR HEATER CONFOLING IS IN A LOV FIRE POSITION 11. FREEZESTAT VITH DY SONDR. FACTORY SIZE AT 35'F AND DA MODILAR HEATER CONFOLING IS IN A LOV FIRE POSITION 12. VAV (VARIAL-FAR-VULLOUED VIEWS AFACAGE FDR COMPERIAL FARMS CONFOLING IS IN A LOV FIRE POSITION 14. CONTRAL-FARM-VULLOUED VIEWS AFACAGE FDR COMPERIAL FARMS NEED CONTRAL IS IN A LOV FIRE POSITION 14. CONTRAL-FARM-VULLOUED VIEWS AFACAGE FDR COMPERIAL FARMS SUM INDUCES CONFOLING IS IN A LOV FIRE POSITION 14. CONTRAL-FARM-VULLOUED VIEWS AFACAGE FDR COMPERIAL FARMS NEED FARMS AFACAGE FDR COMPERIAL FARMS NEED FARME AFACAGE FDR COMPERIAL FARMS NEED FARME AFACAGE FDR COMPERIAL FARMS NEED FARME FARM

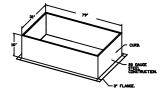
NETG. SUPPLY LICT NET DE NETALLED TO NET SMOON STANDARS. A NORMA STANDAR JUL LENGT NET LENGT NET DE NAMTARDE DEVASTREAM, VILLE VILLE SALT DE NAMEA VILLENTEN DE VILLE NETVORK AND SOLARE THRANSOLAR DE VILLEN. EE GALUS THRAN, GALUS DAGK VITH TURING VARS. FLOTISE DUCTORS AND SOLARE THRANSOLAR DE VILLE GALUS SHOLD MET RE LESS ANT TRANSITION MARGOR TURING IN THE DUCTORS VILLE OUESTORS AND SOLARE THRANSOLAR DE VILLE DUCTORS AND MET RE LESS ANT TRANSITION MARGOR TURING IN THE DUCTORS VILLE OUESTORS AND SOLARE THRANSOLAR DE VILLE DUCTORS AND MET RE LESS ANT TRANSITION MARGOR TURING IN THE DUCTORS VILLE OUESTORS AND SOLARE THRANSOLAR DE VILLE DUCTORS AND SOLARE THRANSOLAR DE VILLE DUCTORS AND THE DUCTORS AND SOLARE THRANSOLAR DE VILLE DUCTORS AND SOLARE THRANSOLAR DE VILLE DUCTORS AND DE REPERLY SIZE DUCTORS ANT CAUSE SYSTEM EFFECTS AND REDUCE PERFERENCE DE THE EQUIPHONT.

SUPPLY SIDE HEATER INFORMATION VINTER TEMPERATURE = -10°F. TEMP. RISE = 85°F. BTUS CALCULATED DFF ACTUAL AIR DENSITY. DUTPUT BTUS AT ALTITUDE DF 0.0 FT. = 408640. DMPUT BTUS AT ALTITUDE DF 0.0 FT. = 444174.











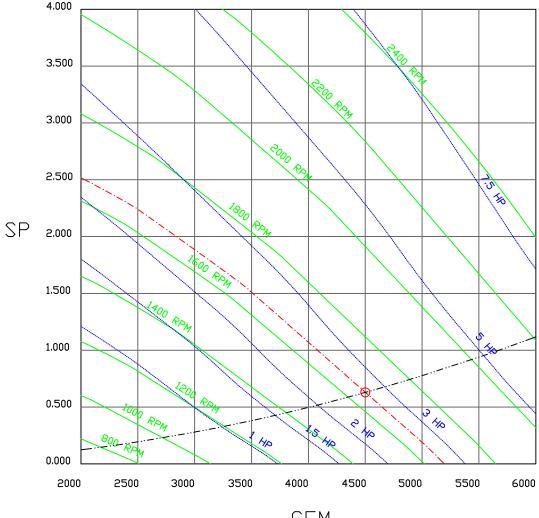
FloAire

<i>JOB</i> 4500/5000cfm**Hea	ter Stock
LOCATION Southboroug	jh, MA,
DATE 4/3/2023	<i>JOB #</i> 5934934
DWG # 2	DRAWN BY courtneyh
REV.	SCALE 3/16" = 1'-0"





and and a constant of the second s



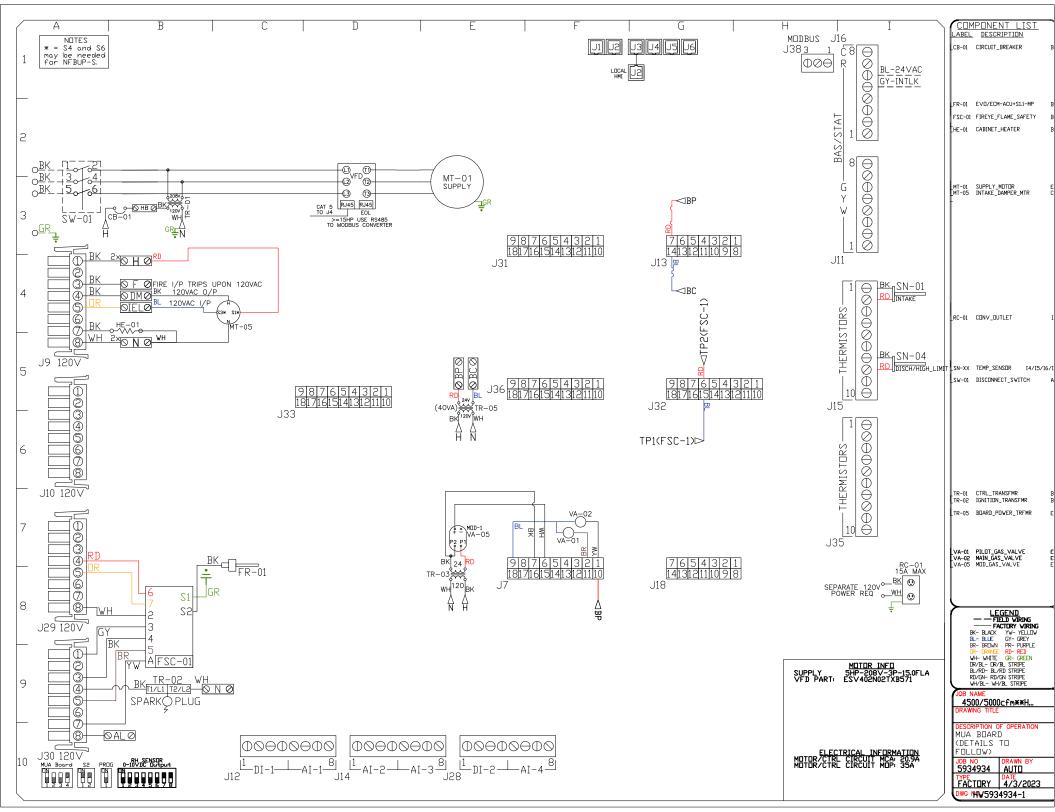
4500 CFM, 0.629 SP @ 1656 RPM AND 2.661 BHP AT 0 FEET AND 75 DEG F. * PLEASE NOTE THAT THESE CURVES WERE ADJUSTED FOR JOB SPECIFIC TEMPERATURE AND ALTITUDE.

CFM



FloAire

JOB 4500/5000cfm**Hea	ter Stock
LOCATION Southboroug	jh, MA,
DATE 4/3/2023	<i>JOB #</i> 5934934
<i>DWG #</i> 3	DRAWN BY courtneyh
REV.	SCALE $3/8'' = 1'-0''$



VFD) Wiring	JDB	5934934 - 45	00/5000cf	4500/5000cfm**Heater Stock	
DRAWIN	DRAWING NUMBER VFD5934934-1	SHIP DATE	4/3/2023	MODEL	F2-D.500-20D	
						Installed Options
ն		ž	571 SERIES VARIABLE FREQUENCY	ABLE FREQUE	NCY DRIVE	
w 4		SMINAL	FUNCTIDN Digital Input:(Start/Stop) Internal I2VDC Supply for Analog Common	krt/Stop) Supply for	FUNCTIDN Digital Input:(Start/Stop) Internal 12VDC Supply for External Devices Analog Common	Component Identification
מו	To J4 on	30 A		ontigurance		
4 6	RESISTOR	RJ45				
ω	÷		iround Terminal		ti i i	
6	PDWER SUPPLY		3 Phase Input or Singu 3 Phase Input or Singu 3 Phase input (Neutral	ir Single Ph Ir Single Ph Veutral for	single Phase Input Single Phase Input utral for 120v)	
10	Matar		Phase AC Moto Phase AC Moto			
11			SUPPLY DRIVE PARAMETER SETTINGS*	ARAMETER SI	ETTINGS*	
12 13	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 or raceway with any high power wiring. Ground Shielded Cable at the drive chasis DNLY.		EPM PROGRAM. 131 571 P100 (Start Source) = 01 (Terminal Strip) P102 = ##Minimum Frequency (Hz) P103 = ##Maximum Frequency (Hz) P130 (TB-30 Urbutut) = 1 P410 (Modbus Address) = 21	= 01 (Terminal (uency (Hz) quency (Hz) = 1 5 = 21	(dirt)	
1 1 1 4 در	PG. 11 OF THE DRIVE MANUAL DESCRIBES THE PROPER INSTALLATION PROCEDURE PG. 19 OF THE DRIVE MANUAL DESCRIBES THE PROGRAMMING PROCEDURE OF THE DRIVE PROCEDURE OF THE DRIVE SETTINGS OF THE DRIVE		Adjust manually on all drives P107 - 00 (fr 120 or 208 VAC) or 01 (fr 1230, 480 or 575 VAC) P108 - Notor FLA × 100 / Drive Durbut Rating P165 (Dase Voltage) = Set to Moror Voltage Oreset230/7 P165 FIR STANDARD DRIVE DNLY P167 (Dase Frequency) = Colculated Per Fan P121 Fan Ionore AP 7(54) est th to 9	(drives 208 VAC) 0 or 575 VAC) 0 0 / Drive Dut = Set to Motor DIR STANDARD D > = Calculated	ut Rating · Voltage RIVE DNLY Per Fan	
16	#NDTE: THE DEFAULT PASSVORD FROM THE FACTORY REQUIRED TO PROGRAM THE DRIVE IS '225'.	RED	IT MAY BE REQUIRED TO FULLY POVER DOWN THE DRIVE AND TURN BACK ON IN ORDER TO INITIATE NEV PARAMETER SETTINGS.	o fully pover Order to init	: DDVN THE DRIVE ATE NEV	MUPLY MUTOR INFO SUPPLY 54P-208V-3P-15.0FLA VFD PART: ESV402N2TXB571
17		* 0	##Min. and Max. Frequency Settings override other Preset speeds/Parameters.	ency Settings /Parameters.	override all	
18						ELECTRICAL INFORMATION MOTTOR/CIRL CIRCUIT MIC: 2509A
19						
50					<u> </u>	NDTES
21						Dendtes Field Viring — Dendtes Internal Viring Wire Color
55		G	<u>General notes</u>			
53						WH - WHITE TANK TANK

