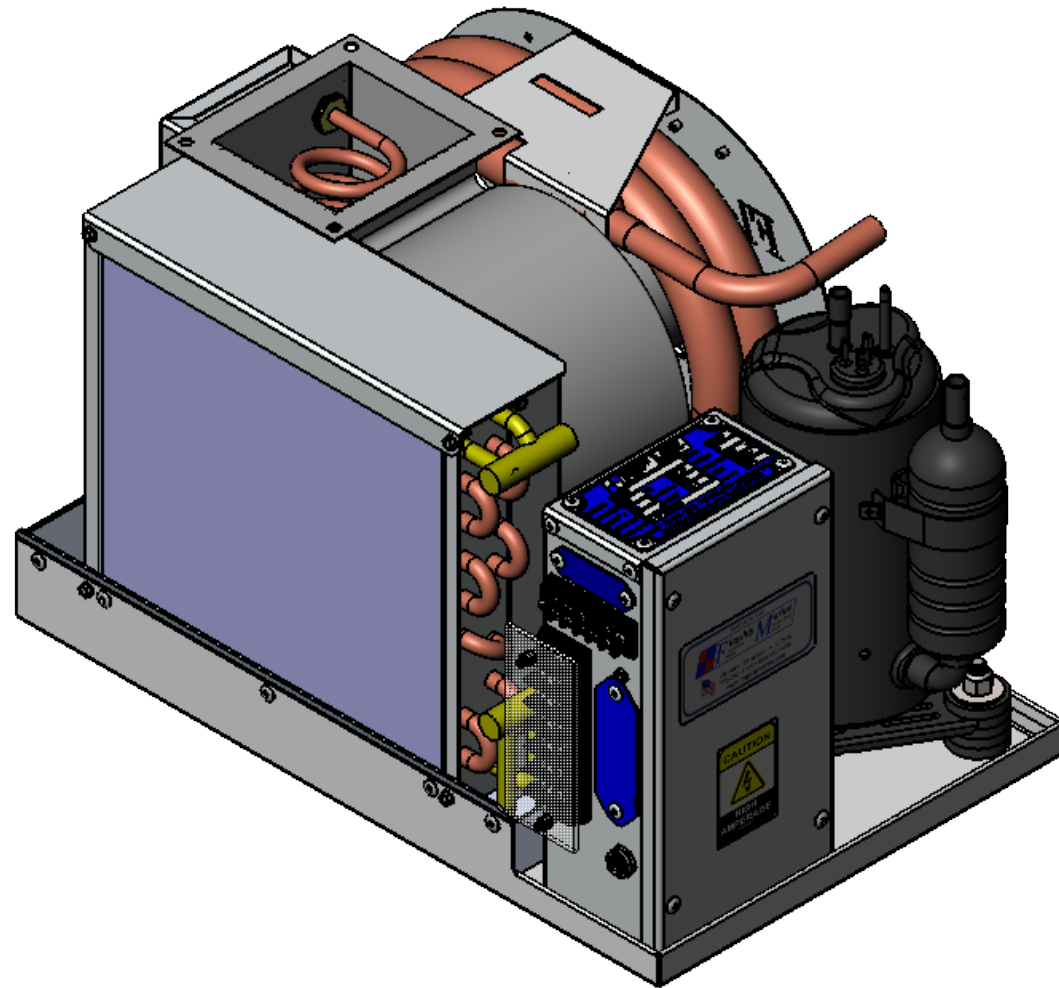


[illegible]

PART NUMBER	DESCRIPTION
20021-002	ASSEMBLY, AIR CONDITIONER FM9R, 120V TOP
20021-012	ASSEMBLY, AIR CONDITIONER FM9R, 120V TOP, WITH OPTIONAL HEAT
20021-102	ASSEMBLY, AIR CONDITIONER FM9R, 230V TOP
20021-112	ASSEMBLY, AIR CONDITIONER FM9R, 230V TOP, WITH OPTIONAL HEAT



**20021-012 SHOWN
SEE SHEET 4 OF 7 FOR DIMENSIONS**

41	1	1	1	1	80900-002	WELDMENT, DRY DRAIN PAN, EVAPORATOR, AIR CONDITIONER, FM9R
40	-	-	1	1	80022-004	WELDMENT, BASE, AIR CONDITIONER, FM9R, TOP
39	1	1	-	-	80022-002	WELDMENT, BASE, AIR CONDITIONER, FM9R, TOP
38	1	1	1	1	70999-001	TAG, WATER IN, ANODIZED, ETCHED
37	1	1	1	1	70998-001	TAG, WATER OUT, ANODIZED, ETCHED
36	1	1	1	1	70901-002	FABRICATION, SHROUD, EVAPORATOR, AIR CONDITIONER, FM9R, TOP
35	1	1	1	1	70090-001	DETAIL, PLATE, DECORATIVE CONDENSER COVER, FM9R
34	1	1	1	1	70089-001	FABRICATION, BRACKET, CONDENSER, AIR CONDITIONER, FM9R, TOP
33	1	1	1	1	70087-001	FABRICATION, BRACKET, BLOWER, AIR CONDITIONER, FM9R
32	-	1	-	1	70086-001	FABRICATION, LID, ENCLOSURE, HEATER COIL, AIR CONDITIONER, FM9R - FM20R
31	-	1	-	1	70085-001	FABRICATION, ENCLOSURE, HEATER COIL, AIR CONDITIONER, FM9R - FM20R
30	A/R	A/R	A/R	A/R	61000-001	INSULATION, 1/8" FOAM PEEL AND STICK
29	A/R	A/R	A/R	A/R	60998-001	TAPE, CORK ROLL, 30"x2"
28	1	1	-	-	60784-001	COMPRESSOR, 6500 BTU, 115V, R410A, 45/370 RUN CAP, B260-160-241E OVERLOAD, GA066CAA
27	-	-	1	1	60775-001	COMPRESSOR, 9K UNITS, GA066KAA, 6400 BTU, 230v, R410a, 20/370 RUN CAP, OVERLOAD B120-160-241E
26	4	4	4	4	M82550012A20000	M6-1.0 X 12MM DIN 933 CLASS A2 CAP SCREW, SS
25	3	3	3	3	60539-001	NUT, 3/8-16 NYLON LOCK NUT 18-8 SS
24	4	4	2	2	60534-001	WASHER, 3/8" X 1.25" , FLAT
23	22	22	22	22	60533-001	RIVET, 3/16" DIA. .062-.125" GRIP RANGE, SSB6-2S
22	16	19	16	19	60527-001	SELF TAP, #8 X 1/2 HWH SELF DRILL 18-8 SS
21	-	4	-	4	60517-001	SCREW, #8-32 X 3/8" PAN HEAD MACHINE SCREW, #2 DRIVE PHILLIPS, 18-8 SS
20	A/R	A/R	A/R	A/R	60329-002	REFRIGERANT, R410a
19	1	1	1	1	60210-001	EVAPORATOR, 9000 MBTU, 10HX10.13W, 2 ROW
18	1	1	1	1	60148-001	SWITCH, HIGH PRESSURE, SPST, OPEN ON PRESSURE RISE, OPEN (600 PSI) CLOSE (475 PSI)
17	-	1	-	1	60131-001	GROMMET, 11/16" PUSH-IN LOCKING, NYLON
16	1	1	1	1	60079-001	DRIER, FILTER, 5/16" SOLDER, 1 TON, SUD116
15	15	15	15	15	60070-001	WASHER, .385 ID X 1.406 OD X .25 THK, 60 DURO EPDM BLACK
14	-	1	-	1	60062-001	THERMAL LIMIT SWITCH, 130 DEGREE, NC
13	-	-	-	1	60031-002	HEATER ELEMENT, COIL, 45"L, 8MM, 1700W, 240VAC, DBL END THRD BULKHEAD
12	-	1	-	-	60031-001	HEATER ELEMENT, COIL, 45"L, 8MM, 1700W, 120VAC, DBL END THRD BULKHEAD
11	-	-	1	1	60019-001	BLOWER, PSC, SHADED POLE, 1TDR4, 230V
10	1	1	-	-	60018-001	BLOWER, PSC, SHADED POLE, 1TDR3, 115V
9	1	1	1	1	40286-001	ADAPTOR, WATER OUT, FM9R, TOP DISCHARGE, COPPER NICKLE
8	3	3	3	3	40102-001	VALVE, 1/4" STANDARD SERVICE, CAP W/RUBBER O-RING
7	1	1	1	1	40096-001	VALVE, EXPANSION, BALANCED PORT, 2-5 1/2-TON, R22, SBQBODY3X4
6	1	1	1	1	40086-001	VALVE, EXPANSION, HEAD, UP TO 5 TON, R410A, KT45ZGA
5	1	1	1	1	40077-001	ORIFICE, CARTRIDGE, BALANCED PORT VALVES, YELLOW, 1/2-3/4 TON (R410a), BQC-AA
4	A/R	A/R	A/R	A/R	30230-001	LOOM, SPLIT-TYPE, BLUE TRACER, 1/2", 1100', M125-0120-A
3	1	1	1	1	20515-001	THERMOSTAT, BLUE MOUNTING PLATE, 20' WIRE
2	1	1	1	1	20234-001	CONDENSER, LIQUID COOLED, FM9R TOP
1	1	1	1	1	20145-001	ASSEMBLY, CONTROL ENCLOSURE, SELF-CONTAINED 9K-36K, INSTALLED ON-BOARD, 115v/230v

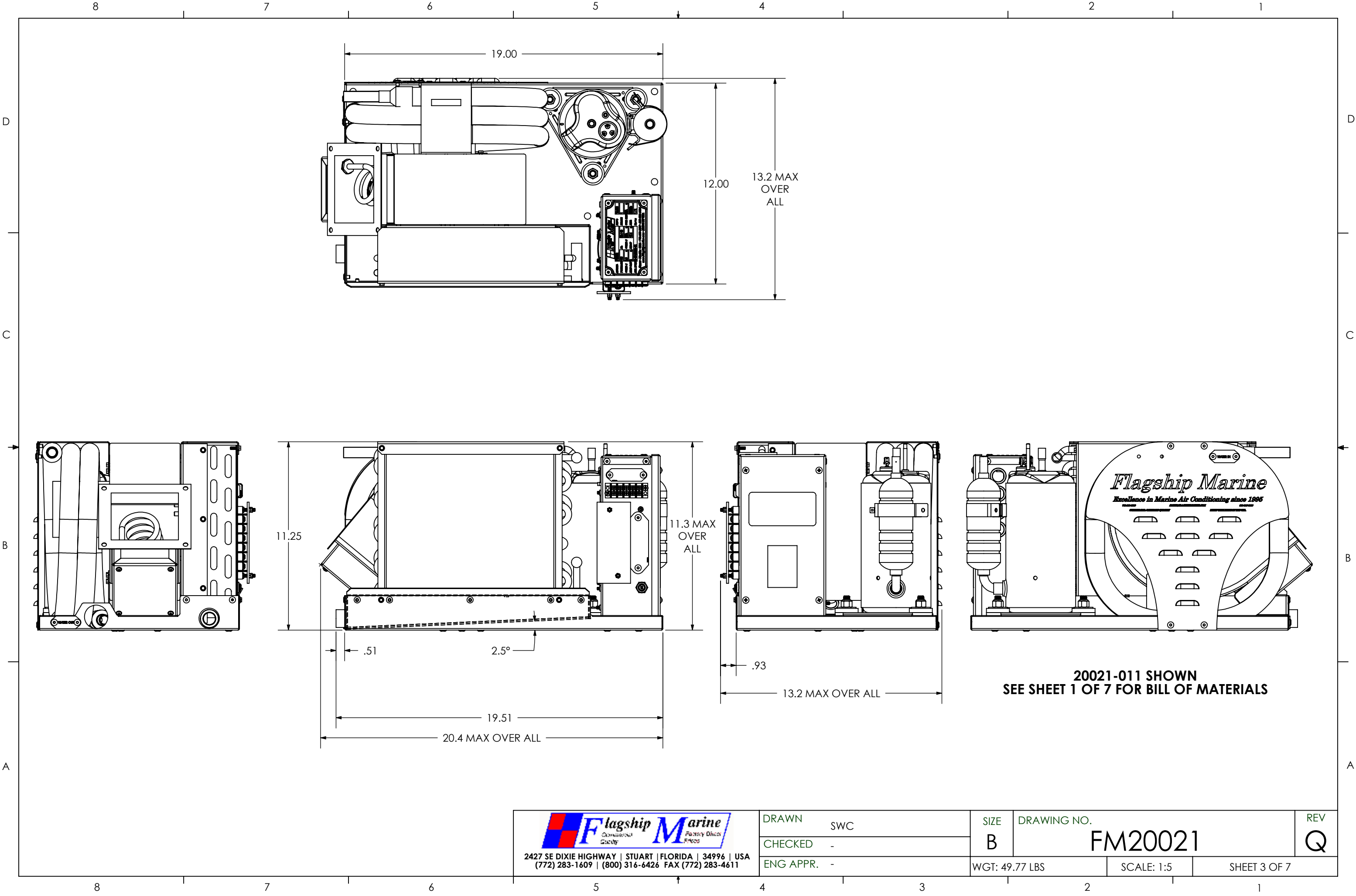
ITEM NO.	002 QTY	012 QTY	102 QTY	112 QTY	PART NUMBER	DESCRIPTION						
-						UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: ASSEMBLY, AIR CONDITIONER FM9R, TOP		
-						DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS ± 1/32 ANG: MACH ± 0°30' BEND ± 2° DECIMALS .XX ± .01 .XXX ± .005 HOLE Ø .XX ± .005	DRAWN	SWC	8/2/2010			
-							CHECKED	TCM	-			
-							ENG APPR.	TCM	-			
-						INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M	MFG APPR.	TCM	-	PART NO. 20021-XX2		
-						Q.A.	EAS	-				
-						MATERIAL	PERP STRAIGHTNESS FLATNESS THREADS: EXTERNAL - CLASS 2A INTERNAL - CLASS 2B MACHINED SURFACES: $\sqrt{63}$ U.O.S	$\perp$.003/IN $\square$.005/IN .005/IN	SIZE DWG. NO. REV B FM20021 Q			
NEXT ASSY					USED ON	FINISH	OLD PART NO. -			SCALE: 1:4 WGT: 50.24 LBS SHEET 2 OF 7		
APPLICATION					DO NOT SCALE DRAWING							

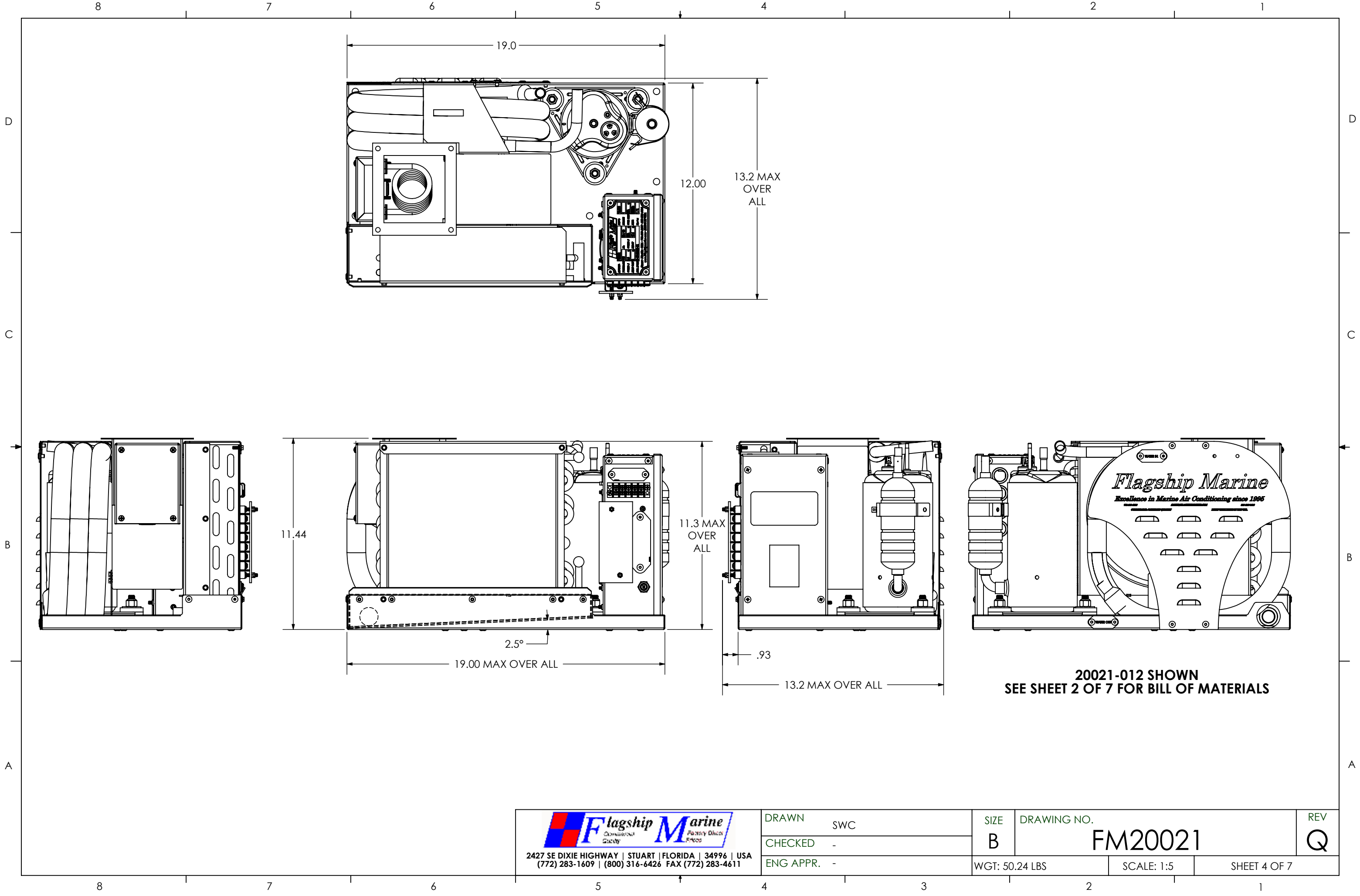
Flagship Marine
2427 SE DIXIE HIGHWAY
STUART, FLORIDA 34996 | USA
(772) 283-1609 | (800) 316-6426
FAX (772) 283-4611

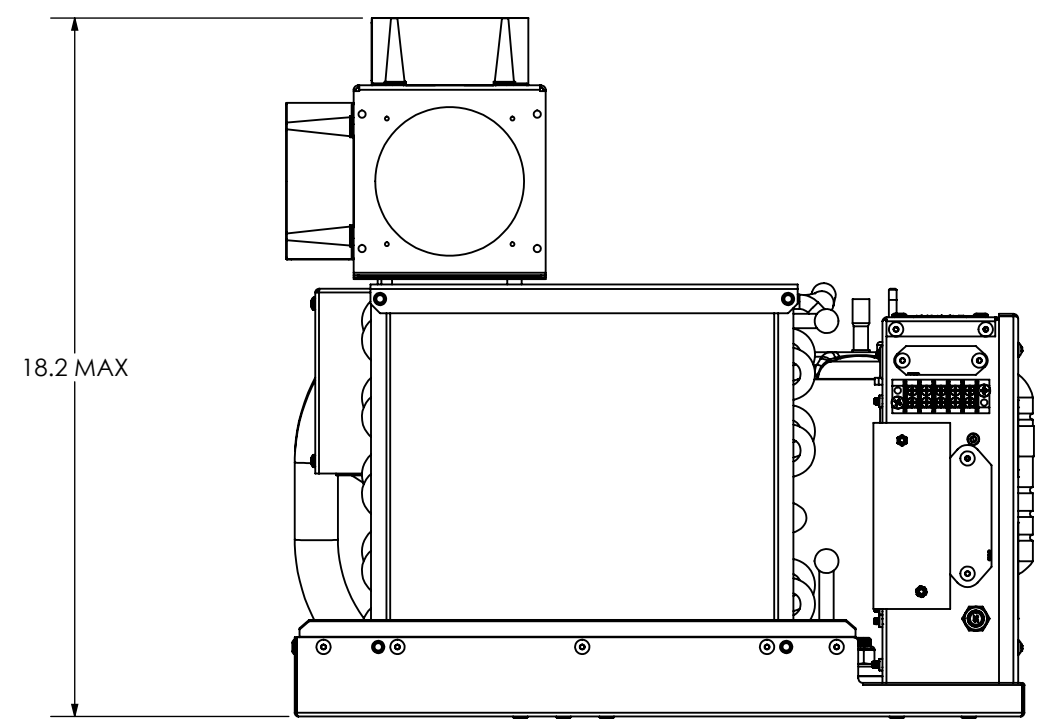
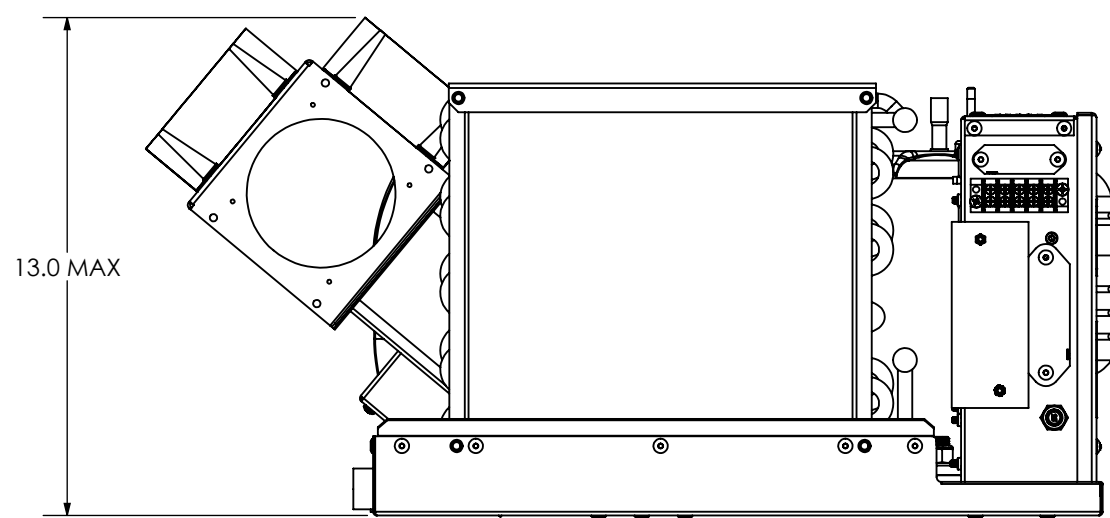
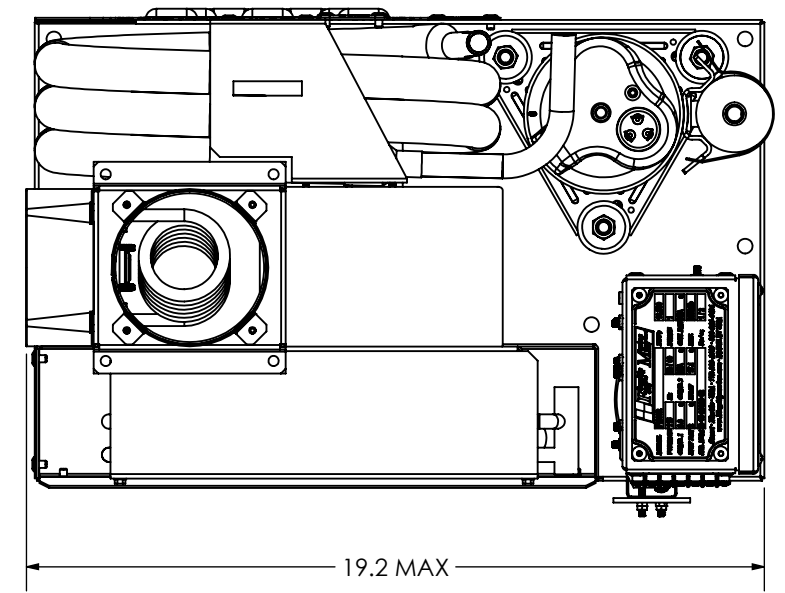
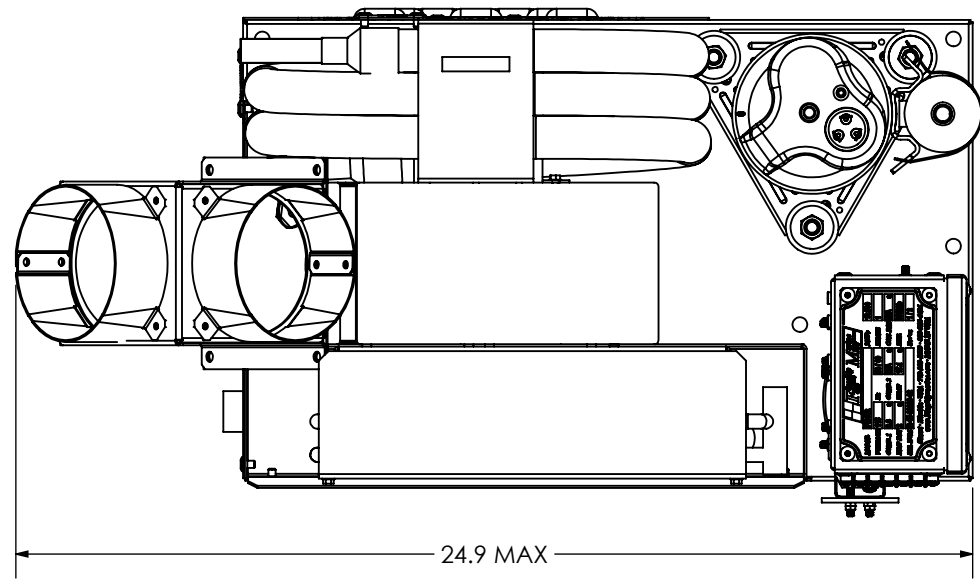
PROPRIETARY AND CONFIDENTIAL

THIS DOCUMENT CONTAINS INFORMATION
PROPRIETARY TO **FLAGSHIP
MARINE, INC.** NO PART MAY BE
REPRODUCED, USED IN ANY FORM,
OR STORED ELECTRONICALLY
WITHOUT THE WRITTEN PERMISSION OF
FLAGSHIP MARINE, INC.

2. PREFERRED LIMITS AND FITS PER ANSI B4.1 (INCHES).
1. DIMENSIONING & TOLERANCING PER ASME Y14.5M.
NOTES:

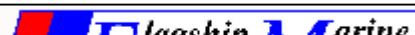


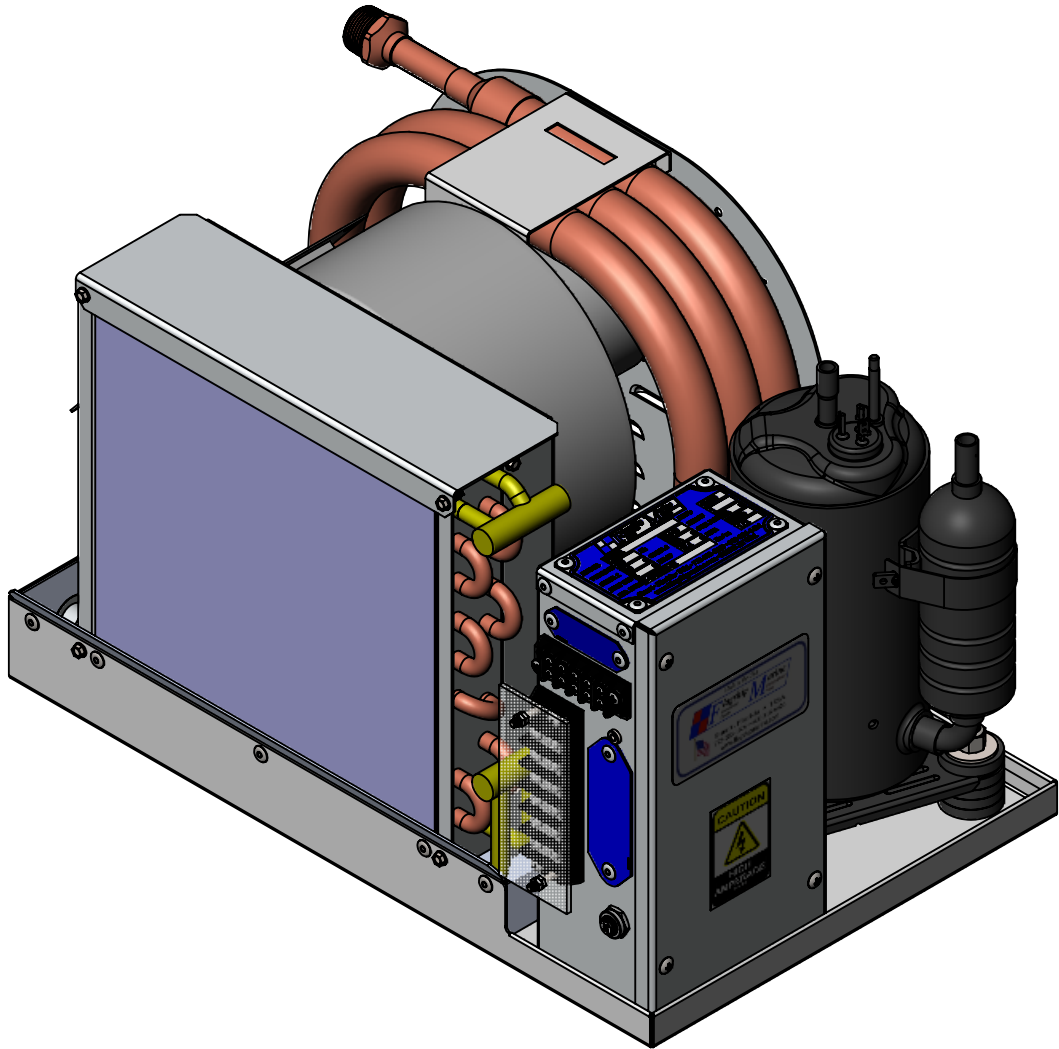




20021-011
SHOWN WITH OPTIONAL PLENUM & DISCHARGE RINGS
FOR DIMENSIONAL REFERENCE ONLY

20021-012
SHOWN WITH OPTIONAL PLENUM & DISCHARGE RINGS
FOR DIMENSIONAL REFERENCE ONLY

 2427 SE DIXIE HIGHWAY STUART FLORIDA 34996 USA (772) 283-1609 (800) 316-6426 FAX (772) 283-4611	DRAWN SWC		SIZE B	DRAWING NO. FM20021	REV Q
	CHECKED -				
	ENG APPR. -		WGT: 50.15 LBS	SCALE: 1:5	SHEET 5 OF 7



ONTARIO WATERWAY CRUISES

37	1	80900-001	WELDMENT, DRY DRAIN PAN, EVAPORATOR, AIR CONDITIONER, FM9R
36	1	80022-003	WELDMENT, BASE, AIR CONDITIONER, FM9R, SIDE
35	1	70999-001	TAG, WATER IN, ANODIZED, ETCHED
34	1	70998-001	TAG, WATER OUT, ANODIZED, ETCHED
33	1	70901-001	FABRICATION, SHROUD, EVAPORATOR, AIR CONDITIONER, FM9R, SIDE
32	1	70090-001	DETAIL, PLATE, DECORATIVE CONDENSER COVER, FM9R
31	1	70088-001	FABRICATION, BRACKET, CONDENSER, AIR CONDITIONER, FM9R, SIDE
30	1	70087-001	FABRICATION, BRACKET, BLOWER, AIR CONDITIONER, FM9R
29	1	70086-001	FABRICATION, LID, ENCLOSURE, HEATER COIL, AIR CONDITIONER, FM9R - FM20R
28	1	70085-001	FABRICATION, ENCLOSURE, HEATER COIL, AIR CONDITIONER, FM9R - FM20R
27	A/R	61000-001	INSULATION, 1/8" FOAM PEEL AND STICK
26	A/R	60998-001	TAPE, CORK ROLL, 30"x2"
25	1	60775-001	COMPRESSOR, 9K UNITS, GA066KAA, 6400 BTU, 230v, R410a, 20/370 RUN CAP, OVERLOAD B120-160-241E
24	4	M82550012A20000	M6-1.0 X 12MM DIN 933 CLASS A2 CAP SCREW, SS
23	3	60539-001	NUT, 3/8-16 NYLON LOCK NUT 18-8 SS
22	3	60534-001	WASHER, 3/8" X 1.25" , FLAT
21	22	60533-001	RIVET, 3/16" DIA. .062-.125" GRIP RANGE, SSB6-2S
20	19	60527-001	SELF TAP, #8 X 1/2 HWH SELF DRILL 18-8 SS
19	4	60517-001	SCREW, #8-32 X 3/8" PAN HEAD MACHINE SCREW, #2 DRIVE PHILLIPS, 18-8 SS
18	A/R	60329-002	REFRIGERANT, R410a
17	1	60210-001	EVAPORATOR, 9000 MBTU, 10HX10.13W, 2 ROW
16	1	60148-001	SWITCH, HIGH PRESSURE, SPST, OPEN ON PRESSURE RISE, OPEN (600 PSI) CLOSE (475 PSI)
15	1	60131-001	GROMMET, 11/16" PUSH-IN LOCKING, NYLON
14	1	60079-001	DRIER, FILTER, 5/16" SOLDER, 1 TON, SUD116
13	15	60070-001	WASHER, .385 ID X 1.406 OD X .25 THK, 60 DURO EPDM BLACK
12	1	60062-001	THERMAL LIMIT SWITCH, 130 DEGREE, NC
11	1	60031-002	HEATER ELEMENT, COIL, 45"L, 8MM, 1700W, 240VAC, DBL END THRD BULKHEAD
10	1	60019-001	BLOWER, PSC, SHADED POLE, 1TDR4, 230V
9	2	40142-001	FITTING, 1/2" X 3/4" MNPT, COPPER, 30316, 104R
8	3	40102-001	VALVE, 1/4" STANDARD SERVICE, CAP W/RUBBER O-RING
7	1	40096-001	VALVE, EXPANSION, BALANCED PORT, 2-5 1/2-TON, R22, SBQBODY3X4
6	1	40086-001	VALVE, EXPANSION, HEAD, UP TO 5 TON, R410A, KT45ZGA
5	1	40077-001	ORIFICE, CARTRIDGE, BALANCED PORT VALVES, YELLOW, 1/2-3/4 TON (R410a), BQC-AA
4	A/R	30230-001	LOOM, SPLIT-TYPE, BLUE TRACER, 1/2", 1100', M125-0120-A
3	1	20515-001	THERMOSTAT, BLUE MOUNTING PLATE, 20' WIRE
2	1	20232-001	CONDENSER, LIQUID COOLED, FM9R SIDE
1	1	20145-001	ASSEMBLY, CONTROL ENCLOSURE, SELF-CONTAINED 9K-36K, INSTALLED ON-BOARD, 115v/230v

ITEM NO.	QTY	PART NUMBER	DESCRIPTION				
FLAGSHIP MARINE, INC. BILL OF MATERIALS							
	-		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: ASSEMBLY, AIR CONDITIONER FM9R, SIDE, 1.7KW HEAT, 3/4" MNPT WATER IN/OUT, ONTARIO WATERWAY CRUISES
	-		DIMENSIONS ARE IN INCHES	DRAWN	TJW	8/2/2010	
	-		TOLERANCES:				
	-		FRACTIONS ± 1/32	CHECKED	TCM	-	
	-		ANG: MACH ± 0°30' BEND ± 2°	ENG APPR.	TCM	-	
	-		DECIMALS .XX ± .01	MFG APPR.	TCM	-	PART NO. 20021-006
	-		.XXX ± .005				
	-		HOLE Ø .XX ± .005	Q.A.	EAS	-	
	-		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M				
	-		MATERIAL				
			FINISH	PERP STRAIGHTNESS	⊥	.003/IN	SIZE DWG. NO. REV B FM20021 Q
				FLATNESS	▭	.005/IN	
				THREADS:		.005/IN	
				EXTERNAL - CLASS 2A			
				INTERNAL - CLASS 2B			
				MACHINED SURFACES:	63/	U.O.S	
				</			



FLAGSHIP MARINE, INC.
2427 SE DIXIE HIGHWAY
STUART | FLORIDA | 34996 | USA
(772) 283-1609 | (800) 316-6426
FAX (772) 283-4611

PROPRIETARY AND CONFIDENTIAL

THIS DOCUMENT CONTAINS INFORMATION PROPRIETARY TO **FLAGSHIP MARINE, INC.** NO PART MAY BE REPRODUCED, USED IN ANY FORM, OR STORED ELECTRONICALLY WITHOUT THE WRITTEN PERMISSION OF **FLAGSHIP MARINE, INC.**

2. PREFERRED LIMITS AND FITS PER ANSI B4.1 (INCHES).

1. DIMENSIONING & TOLERANCING PER ASME Y14.5M.

NOTES:

