



Parts List			
ITEM	QTY:	PART #	DESCRIPTION
1	1	*	TANK WELDMENT, BUDZAR MFG.
2	1	210-200-0000	TANK LID
3	1	220-030-0018	SIGHT GLASS 1/2" ODF.
4	1	220-030-0048	SIGHT GLASS 5/8" ODS.
5	1	220-030-0060	SIGHT GLASS, 5/8" O.D. GLASS
6	1	220-030-0149	UPPER SIGHT GLASS FIXTURE 1/2" NPT.
7	1	220-030-0150	LOWER SIGHT GLASS FIXTURE 1/2" NPT.
8	1	220-030-0167	FILTER/BREATHER
9	1	250-013-0140	PUMP & MOTOR ASSEMBLY 33 GPM. @ 115' TDH. / 3HP. / 3500 RPM. / TEFC. / 182JM.
10	1	250-013-0159	PUMP & MOTOR ASSEMBLY 33 GPM. @ 65' TDH. / 1.5HP. / 3500 RPM. / TEFC. / 182JM.
11	1	280-010-0187	COMPRESSOR: 20 HP. (1-5/8" DISH X 2-1/8" SUCT.)
12	1	280-015-0075	OIL SEPARATOR 18 LITER
13	1	270-300-0353	OIL COOLER, #16 SAE
14	1	270-370-0263	EXCHANGER 1-1/8" RI / 2-1/8" RO. / 2" NPT.
15	1	270-370-0298	EXCHANGER: 5 x 12 (5/8" RI / 7/8" RO. x 1" MNPT.)
16	1	270-400-0341	CONDENSER SINGLE CIRCUIT
17	1	280-010-0084	SOLENOID VALVE 1-3/8" ODS.
18	1	280-010-0147	SOLENOID VALVE 5/8" ODF.
19	1	280-016-0005	FILTER-DRIER: 7/8" ODS.
20	1	280-020-0228	CHECK VALVE, 1-1/2" NPT.
21	1	280-020-0310	CHECK VALVE 1-1/8" ODS.
22	1	280-030-0026	RELIEF VALVE 1/4" MPT. x 3/8" ODS. (SET @ 400 PSIG.)
23	2	280-030-0059	RELIEF VALVE 1/2" MPT. x 5/8" FL. (SET @ 400 PSIG.)
24	1	280-030-0312	RELIEF VALVE 1" NPT. (SET @ 50 PSIG)
25	2	280-080-0109	BALL VALVE 5/8" ODF.
26	1	280-080-0217	BALL VALVE: 1-1/8" ODS.
27	1	280-080-0846	BALL VALVE 1/2" NPT.
28	3	280-080-0921	BALL VALVE 1-1/2" S.W.
29	1	280-090-0072	EXPANSION VALVE 1/2" ODS. x 7/8" ODS
30	1	280-090-0080	EXPANSION VALVE: 7/8" ODS. IN / 1-1/8" ODS. OUT
31	1	280-098-0037	RECEIVER, 1-1/8" ODS.
32	1	280-100-0015	FRAME WELDMENT (SEE DWG. #M9737-FW)
33	1	280-170-0003	HEAD PRESSURE VALVE 5/8" ODS. (ORD)
34	1	280-170-0016	HEAD PRESSURE VALVE 1-1/8" ODS. (ORI)
35	1	500-030-0071	ELECTRICAL ENCLOSURE NEMA 4 (48" x 30" x 10")
36	4	610-030-0244	RTD 1000 ohm 2 WIRE 20' Lg.

- NOTES:**
- DO NOT SUPPORT FIELD PIPING ON UNIT.
 - REFRIGERANT PIPING CONNECTIONS SHALL BE HARD BRAZED, IN ACCORDANCE WITH ANSI/ASHRAE-15 LATEST EDITION, FOR REFRIGERANT R-404A SYSTEMS. FLUID PIPING TO BE SCH. 40 STAINLESS STEEL WELDED CONSTRUCTION.
 - PLC SETTINGS:
 - HIGH PRESSURE CUTOUT (PT-102) SET @ 350 PSIG.
 - LOW PRESSURE CUTOUT (PT-101) SET @ 28 PSIG.
 - LOW TEMPERATURE CUTOUT (TE-002) SET @ -20°F
 - INSULATION: CLOSED CELL ARMAFLEX WITH UV PROTECTIVE PAINT
 - FRAME TO BE PRIMED WITH KEM KROMIK #B60WZ1 PRIOR TO MECHANICAL ASSEMBLY.
 - EVAPORATOR, TANK & ECONOMIZER TO BE INSTALLED ON 1" THK. THERMBLOCK.
 - NOMINAL DESIGN CONDITIONS:
 - FLUID: WATER/ETHYLENE GLYCOL 55%
 - FLOW: 33 GPM.
 - FLUID TEMPERATURE: -4°F INLET / -13°F OUTLET
 - TEMPERATURE RANGE: -15°F TO 20°F
 - TEMPERATURE SET POINT: -15°F
 - MAXIMUM DESIGN PRESSURE: 400 PSIG
 - REFRIGERANT CHARGE: R404A _____ Lbs. T-B-D
 - CONDENSING TEMPERATURE: 115°F
 - EVAPORATING TEMPERATURE: -23°F.
 - SUPERHEAT: 10°F.
 - CONDENSER SUBCOOLING: 10°F.
 - ECO EVAPORATING TEMPERATURE: 12°F
 - ECO SUPERHEAT: 8°F.
 - ECO LIQUID TEMPERATURE: 105°F IN, 21°F OUT
 - NOMINAL CAPACITY: 10 TONS @ DESIGN CONDITIONS
 - AIR COOLER OUTLET SET @ 146°F.

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REV	DESCRIPTION	DATE	BY	APPD

1 OF 1
 M11034-1-2-GA