

CRN# B-9848.531642780NATBLD# 59133SERIAL# 60959

MODEL .....RX54M3F

WIRE DIAG.....W

WIRE SIZE.....10

HZ.....60

VOLTS.....600

CONTROL VOLT....120.

PHASE....3

PRESSURE.....

KILOWATTS...54

CAPACITY 187 BPH/BTU/HR

## OPERATIONAL TEST/ELECTRIC AND STEAM

UL FILE # E39545

DAY/MONTH 1 / 5 2003VOLTS 600 AMPS 52 TOTAL WATTS 54KWPRESSURE 80 DIFF 5HEATER VOLTS 600KW 54PH 3 HZ 60Reimers Electra Steam, 4407 Matrinsburg, Pike  
Clear Brook, Va. 22624 PH 540-662-3811 FAX: 540-665-8101APPEARANCE ✓BLOWDOWN MAN ✓ AUTO ✓CONDENSATE TANK ✓CONDENSATE & PIPE, ECT ✓CONTROLS ✓ELEMENT 3FEED HEATER VALVES ✓INSTRUCTION BOOK ✓LEAK INSPECTION ✓PAINT ✓PANEL ✓PIPES ✓PRESSURE CONTROLS 2SHEET METAL ✓STEAM VALVE 1STEAM GAUGE 1STRANIER 0WARNING TAGS ✓WATER GAUGE FITTINGS 2WIRE TERMINALS TIGHT ✓WIRING DIA. ✓ELEMENT QTY. 3ELEMENT VOLT/KW 600-18

JURISDICTION = VA.

FUEL =ELECTRIC

## TEAM

## HOT WATER

MAX. W.P. 100 (NAMEPLATE)MIN. SAFETY VALVE CAP. 189 PPH

MAX. W.P. \_\_\_\_\_ PSIG

MAX. TEMP. \_\_\_\_\_ DEG F

MIN. SAFETY VALVE CAP \_\_\_\_\_ PPH OR BTU  
(3412 X KW/1000)

## HYDRO TEST OF COMPLETE BOILER

P.S.I.G. 150 BY pb DATE 5/1/03LOW WATER CUTOFF ✓ HI WATER CUTOFF ✓

## DIELECTRIC VOLTAGE- WITHSTAND TEST:

1 MIN @  
VOLTS 2200 SAT ✓ UNSAT \_\_\_\_\_ BY pb DATE 5/1/03 (IAW U.L. 834)

(CORRECTED/RETEST) \_\_\_\_\_ BY \_\_\_\_\_ DATE \_\_\_\_\_ CORRECTIVE ACTION \_\_\_\_\_

## SAFETY VALVE

CAPACITY 423  
LB PER HR.OPERATIONAL  
TEST ✓NAMEPLATE: O.P. 100 KW 54 VOLTS 600 PH 3 HZ 60Representing Reimers Electra Steam, INC. BY(Print) G BURKE DATE 5-1-03Signature B BurkeINITIAL & DATE OPERATING CONTROLS, SAFETY CONTROLS, SAFETY VALVE ON REVERSE SIDE UPON COMPLETION OF OPERATIONAL TEST PERFORMANCE  
(REF: ASME CSD-1, CG-500)





0002410

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## Work Order Traveler

SCHEDULED START: 04/21/03  
DUE DATE: 04/23/03ITEM NUMBER: **RX54M3F**  
DESCRIPTION: **BOILER R 54KW 600V 3PH 100# SA**  
REVISION: 000  
OPTION CODE:QUANTITY: **1.00**  
UNIT OF MEASUREMENT: EAMAKE FOR: I/M  
PLANNER:

| STEP | QTY | PART    | DESCRIPTION                    | STEP | QTY | PART  | DESCRIPTION                      |
|------|-----|---------|--------------------------------|------|-----|-------|----------------------------------|
| 0010 | 1   | 01088   | UNION .5" BLACK MALLEABLE IRON | 0010 | 1   | 02490 | VALVE BALL .5" 200# SWP          |
| 0010 | 3   | 01094   | ELBOW .5" X 90 DEG. BLACK MALL | 0010 | 1   | 02522 | GAUGE PROTECTOR 6"               |
| 0010 | 1   | 01095   | ELBOW .75" X 90 DEG. BLACK MAL | 0010 | 3   | 02530 | CONTACTOR 50A 120V 3P UL/CSA     |
| 0010 | 1   | 01097   | ELBOW 1.25" X 90 DEG. BLACK MA | 0010 | 3   | 02550 | ELEMENT 600V 18KW 3P SS SHEATH   |
| 0010 | 2   | 01103   | TEE .75" BLACK MALLEABLE IRON  | 0010 | 3   | 02613 | FUSE BLOCK 600V 30A 3P UL/CSA    |
| 0010 | 5   | 01104   | TEE .5" BLACK MALLEABLE IRON   | 0010 | 1   | 02616 | BLOCK POWER DISTRIBUTION 3-2/0   |
| 0010 | 1   | 01121   | BUSHING 1" X .5" HEX           | 0010 | 1   | 02637 | VALVE SAFETY .5" 100# SWP 1" O   |
| 0010 | 1   | 01124   | BUSHING .75" X .5" HEX BLACK M | 0010 | 1   | 02692 | VALVE CHECK .5" BALL CONE SPRIN  |
| 0010 | 1   | 01128   | BUSHING .5X.25 HEX BLACK       | 0010 | 6   | 02786 | NIPPLE .5" X CLOSE BLACK EH      |
| 0010 | 4   | 01133   | ELBOW .5X90 DEG. STREET BLACK  | 0010 | 3   | 02788 | NIPPLE .5" X 2" BLACK EH ASTM    |
| 0010 | 4   | 01147   | PIPE PLUG .5" SQUARE HEAD FORG | 0010 | 1   | 02791 | NIPPLE .5" X 3.5" BLACK EH       |
| 0010 | 5   | 01160   | NIPPLE .25XCLS.BRASS EXT.HEAVY | 0010 | 1   | 02796 | NIPPLE .5" X 6" BLACK EH ASTM    |
| 0010 | 12  | 01168   | NUT .625" X 11 HEAVY HEX STEEL | 0010 | 1   | 02802 | NIPPLE .75X4 BLACK EXHEAVY       |
| 0010 | 2   | 01180   | NIPPLE .75" X CLOSE BLACK EH   | 0010 | 1   | 02806 | NIPPLE .75"X6" BLACK EXTRA HEA   |
| 0010 | 1   | 02012   | VALVE GLOBE .75"125#SWP W/PLA. | 0010 | 1   | 02807 | NIPPLE .75" X 9" BLACK EH ASTM   |
| 0010 | 3   | 02022   | FLANGE GASKET 2" RING          | 0010 | 1   | 02817 | NIPPLE 1.25 X CLOSE BLACK EXHV   |
| 0010 | 23  | 02030   | INSULATION 2" X 48" X 150' FIB | 0010 | 1   | 02820 | NIPPLE 1.25X4 BLACK EXHEAVY      |
| 0010 | 4   | 02099   | SWITCH LOCK RING               | 0010 | 2   | 02951 | KNOCKOUT SEAL .5" HEYCO          |
| 0010 | 1   | 02100   | SWITCH CH SINGLE POLE SINGLE T | 0010 | 1   | 02988 | CROSS .5" BLACK MALLEABLE IRON   |
| 0010 | 4   | 02107   | SWITCH PLATE ON-OFF FOR TOGGLE | 0010 | 2   | 02997 | ELBOW STREET .25" 90 DEG. ASTM   |
| 0010 | 9   | 02134   | FUSE 600V 30A UL/CSA           | 0010 | 1   | 03021 | COUPLING FULL .5" NPT 3000#      |
| 0010 | 3   | 02139A  | LIGHT 120V RED OMNI GLOW       | 0010 | 1   | 03089 | CARTON 42W 54L 36.75 500# TEST   |
| 0010 | 1   | 02140   | FUSE BLOCK 250V 30A 1P UL/CSA  | 0010 | 1   | 03254 | VALVE GAUGE TEST .25"            |
| 0010 | 9   | 02176   | TERMINAL LUG #8 HOMAC UL/CSA   | 0010 | 1   | 03325 | STRAINER .5" Y ASTM B-62 UNS C   |
| 0010 | 1   | 02207   | CEILING PLATE 1.25" PIPE SIZE  | 0010 | 1   | 03470 | FUSE 250V 3A UL/CSA              |
| 0010 | 2   | 02209SS | WRAPPER END 20" 20103REV.B 16G | 0010 | 2   | 03551 | SWITCH MANUAL RESET NC MO 14"L   |
| 0010 | 3   | 02240   | CONDUIT .375" FLEXIBLE STEEL U | 0010 | 3   | 03760 | COPPER TUBE REF.5"ODX.032WALL    |
| 0010 | 2   | 02243   | CONDUIT 1" FLEXIBLE STEEL U.L. | 0010 | 1   | 03763 | ELBOW .5" TUBE X .5" NPT NO NUT  |
| 0010 | 2   | 02244   | CONDUIT FLEXIBLE 1.25" U.L.    | 0010 | 1   | 03802 | VALVE BALL .75" W/LATCH 200# S   |
| 0010 | 2   | 02246   | CONDUIT CONNECTOR .375" 90 DEG | 0010 | 0   | 03818 | TICKET HOLDER FOR SHOP CLEAR F   |
| 0010 | 2   | 02249   | CONDUIT CONNECTOR 1" X 90 DEG. | 0010 | 1   | 03821 | CONNECTOR .5" TUBE X .5" MALE NP |
| 0010 | 2   | 02250   | CONDUIT CONNECTOR 1.25" 90 DEG | 0010 | 1   | 03887 | RELAY BASE IDEC 120/240V UL CS   |
| 0010 | 2   | 02252   | CONDUIT CONNECTOR .375" STR UL | 0010 | 1   | 03888 | RELAY LATCHING IDEC 120V UL CS   |
| 0010 | 1   | 02301   | VALVE SOLENOID .5" 120V 60 HZ  | 0010 | 1   | 03889 | SWITCH RESET NO MC 8A 125V W/I   |
| 0010 | 1   | 02329   | PRESSURE GAUGE 2.5" 160#MT23   | 0010 | 1   | 03896 | RELAY SOLID STATE CTRL PUMP/L    |
| 0010 | 1   | 02396   | WATER GAUGE SET STANDARD SHANK | 0010 | 1   | 04163 | PRESSURE CONTROL 60# OPERATING   |
| 0010 | 1   | 02420   | GAUGE GLASS 6"X.625" PYREX     | 0010 | 2   | 04167 | BUSHING .5" X .125" HEX BLACK    |
| 0010 | 1   | 02462   | VALVE CHECK .5" 125# SWP SWING | 0010 | 1   | 04229 | DECAL SHEET                      |



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REVISION: 000  
OPTION CODE:QUANTITY: **1.00**  
UNIT OF MEASUREMENT: EAMAKE FOR: I/M  
PLANNER:

| STEP | QTY | PART      | DESCRIPTION                    | STEP | QTY | PART | DESCRIPTION |
|------|-----|-----------|--------------------------------|------|-----|------|-------------|
| 0010 | 1   | 04271     | BUSHING 1.25" X .75" HEX BLACK |      |     |      |             |
| 0010 | 0   | 04276     | TERMINAL STRIP 600V 35 AMP 10- |      |     |      |             |
| 0010 | 1   | 04296     | PRESSURE CONTROL 90# HI LIMIT  |      |     |      |             |
| 0010 | 1   | 04301     | LABEL NAMEPLATE UL/CSA 3.48 X  |      |     |      |             |
| 0010 | 0   | 04308     | TAPE ALUMINUM FOIL DUCT 50YD R |      |     |      |             |
| 0010 | 1   | 20054A    | WRAPPER R24-80 (NEW)           |      |     |      |             |
| 0010 | 1   | 20083A    | ELECTRICAL BOX 22W 24H 4D (SS) |      |     |      |             |
| 0010 | 1   | 20292-14A | ELECTRIC BOX SUPPORT 33" X 1.5 |      |     |      |             |
| 0010 | 1   | 20350-7A  | BRACE ELECTRICAL BOX SS (NEW)  |      |     |      |             |
| 0010 | 1   | MBJ-9     | GAUGE GLASS SAFETY ROD R-MODEL |      |     |      |             |
| 0010 | 1   | R-60A     | SHELL R45-60 (COMPLETE NEW)    |      |     |      |             |
| 0010 | 1   | SKID2A    | SKID BOILER NEW R;RHC 24-70    |      |     |      |             |

BB 5/1/03

ELEC .81X 26" X 28"

BB 5/1/03

04163 MSPS-JJ100SS  
PRESSURE CONTROL

BB 5/1/03