

PART NUMBER 01-46-00-1-01-BASE+INNER+OUTER CASING 01-46-00-1-02-CASING FRONT PLATE 01-46-00-1-03-CASING REAR PLATE 01-46-00-1-04-FEED WATER HEATER PIPE 01-46-00-1-05-BURNER 01-46-00-1-05-DUNNER 01-46-00-1-06-CHIMNEY BASE 01-46-00-1-07-BOILER SHELL 01-46-00-1-08-INTERNAL STEAM SUPPLY PIPE 01-46-00-1-09-INNER WATER TUBE 01-46-00-1-09-INNER WATER TUBI 01-46-00-1-10-0UTER WATER TUBE 01-46-00-1-10-0UTER WATER TUBE 01-46-00 -1-11-SUPER HEATER PIPE 01-46-00-1-12-BOILER NON-RETURN VALVE 01-46-00-1-13-SAFETY VALVE 01-46-00-1-15-3AFETT VALVE 01-46-00-1-14-PRESSURE GAUGE CONNECTOR 01-46-00-1-15-PRESSURE GAUGE 01-46-00-1-16-WATER LEVEL GAUGE 01-46-00-1-17-MOUTING BASE 01-46-00 -1-18-GAS SUPPLY MANIFOLD 01-46-00 01-46-00 19-PIPE NUT M8x5.5 -19-PIPE NUT M8x5.5
-20-BURNER GAS SUPPLY VALVE
-21-HAND OPERATED FEED PUMP
-22-PIPE NUT M8x5
-23-HAND PUMP DISCHARGE PIPE
-24-WATER SUPPLY VALVE
-25-WATER SUPPLY PIPE-1
-26-F-W HEATER TO N-R VALVE PIPE
-27-HEAT EXCHANGER
-28-HEAT EXCHANGER COIL 01-46-0 01-46-00 16 01-46-0 01-46-0 01-46-01-46-00 01-46-00 01-46-00 01-46-00 01-46-00 1-29-HEAT EXCHANGER EXIT PIPE 01-46-00-1-30-WARM WTER PIPE 01-46-00-1-31-TO CONDENSOR PIP 01-46-00-1-31-10 CUNDENSUR PIPE 01-46-00-1-32-ENGINE STEAM SUPPLY THROTTLE 01-46-00-1-33-FRESH STEAM SUPPLY PIPE 01-46-00-1-34-PIPE NUT M10x6 01-46-00-1-35-ENGINE EXHAUST CONNECTION PIPE 01-46-00-1-36-BY-PASS VALVE | 01-46-00-1-37-BY-PASS TO HT EXCHANGER | 01-46-00-1-38-WATER SUPPLY DIVIDER POST | 01-46-00-1-39-WATER SUPPLY TO POST PIPE 1 01-46-00-1-40-BY-PASS WTR SUPPLY PIPE

OR MILD STEEL, REDDISH BROWN=COPPER, DARK BROWN=BRONZE OR GUN METAL, WHITISH=SILVER STEEL

NO FASTENERS SUCH AS BOLTS, SCREWS, RIVETS, NUTS AND WASHERS HAVE BEEN SHOW ON THESE DRAWINGS. THE BUILDER TO CHOOSE ITS OWN PREFERRED TYPE OF FASTENERS. 2) PRESSURE GAUGE

THE RANGE OF THE PRESSURE GAUGE TO BE DETERMENT AFTER MAXIMUM BOILER PRESSURE IS ESTABLISHED AND THE AVAILABILITY ON THE MARKET. THE PRESSURE GAUGE IS A PROPRIETY ITEM.

PREFERABLY ALL PIPING TO BE COPPER. THE PIPING ON THE DRAWINGS ARE INDICATIVE ONLY. THE BUILDER TO ESTABLISH THE PIPE LENGTH AND ROUTE FROM WORK PIECE. THE PIPE SIZES ARE INDICATIVE ONLY. THE BUILDER TO ESTABLISH THE AVAILABILITY OF THE PIPE SIZE(S) FROM THE LOCAL SUPPLIER(S). THE PIPE NUT(S) TO BE ADJUSTED TO THE USED PIPE SIZE.

BEFORE STARTING: THE BOILER AS SHOWN ON THESE DRAWING SHOULD BE INSPECTED BY AN AUTHORISED PROFESSIONAL ENGINEER. THE RUNNING AND MAXIMUM BOILER PRESSURE TO BE CALCULATED. MAKE SURE THE THE BOILER FULLY COMPLIES WITH THE LOCAL RULES AND REGULATIONS OF MODEL BOILERS. A COMPLIANCE AND TEST CERTIFICATE SHOULD BE OBTAINED.

BOILER INSULATION IS NOT SHOWN ON THESE DRAWINGS.

THE EXTENDED CHIMNEY HAS A LIGHT PRESS FIT. THE BUILDER TO DESIGN HIS OWN EXTENDED CHIMNEY IF REQUIRED. IT IS MADE REMOVABLE FOR TRANSPORT PURPOSES. 6) MECHANICAL FEED PUMP.

THE MECHANICAL FEEDPUMP IS NOT SHOWN ON THESE DRAWING. THE PUMP IS OPERATED BY, AND A PART OF THE BUILDERS CHOOSEN ENGINE.

NOTES: THIS SET OF DRAWINGS IS BASED ON DRAWINGS WHICH I FOUND ON THE INTERNET. THE ORIGIAL DRAWINGS WERE BY JAN GUNNARSSON. DATE UNKNOWN. PAGES 106 TO 143 MAGAZINE UKNOWN. THIS DESIGN IS 1.5 TIMES LARGER THAN THE ORIGINAL DESIGN

MARINE OR GENERAL USE.

ISOMETRIC VIEW, NOTES AND BILL OF MATERIALS

PROJECT No 01-46-00

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MODEL SCALE: 1:1
DWG SCALE: 1:1 @A3 OR AS SHOWN NOVEMBER 2021 Copyright J.A.M. DE WAAL PAPAKURA NZ SHEET: 02 OF 09 A3 No: 01-46-00-SHT02

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