

Superior Boiler Works, Inc.

MANUFACTURER OF SCOTCH MARINE BOILERS

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Hutchinson, Ks. 67501

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WASTE HEAT RECOVERY BOILER SIZING INFORMATION

Date: _____ Customer: _____

Rep's: _____ Job Name: _____

The following information is **REQUIRED** in order to make an accurate boiler sizing estimate.

Design Conditions (saturated steam)

Design Pressure _____ Psig.

Operation Pressure _____ Psig.

Feed-water Temp. _____ Deg. F

Blow-down _____ %

Flue Gas

(circle one)

Flow: _____ Lb/hr, SCFM, ACFM

@ Temp: _____ Deg. F.

Stack Temperature _____ / _____ Deg. F.

Max Flue Gas Pressure Drop. _____ in. W.C.

(circle one)

Flue Gas Analysis in % VOL, % WGT or LB/HR

Carbon Dioxide CO2 _____

Water Vapor H2O _____

Oxygen O2 _____

Nitrogen N2 _____

Hydrogen Chloride HCl _____

Sulfur Dioxide SO2 _____

Ash or Soot _____

Requirements & Restrictions:

Steam Flow: _____ Lb/Hr

OR Stack Temp. _____ Deg. F

Ash Hopper: YES or NO

Surge Flow: _____ % of Normal Flow

Size Restriction: YES or NO

if YES, then please elaborate

Special Instructions