SUB ZERO HEATING
Boiler Sales, Service & Rentals
(403) 341-6942

EQUIPMENT DATA
100HP Boilers

Fuel Consumption:

- Diesel Consumption: 113 Litres/hr
- Natural Gas Consumption: 4200 scfh/hr
- Fuel Supplied by Customer

Technical Data

- The unit output is 3,345,000 BTU/hr
- Small Heat Exchanger Output is 2 m3/minute

Flow Rates as Follows:

- 1 m3/16 c Rise In Water Temp
- 2 m3/9 c Rise In Water Temp

Object: Heat 400 bbl tanks using 100 HP steam boiler operating at 125 psi. from 5 to 30 deg C.(45 deg F)

- 100 HP boiler output approx. 3 MMBTU (derated for altitude)
- 400 bbl tank = 16,800 usg (63,595 liters)
- 3,000,000 BTU/hr will heat 133 gpm 5 to 30 deg C (45 deg. F), therefore 16,800 gal would take 16,800/133=126.4 min or 2.1 hrs. assuming no external losses (on average 2.5 to 3 hrs. per tank)

Other Info:

- On-Board 4000 Watt Light Tower and 25 KVA Genset
- Heat Exchanger inlet/outlets are 4” 300 ANSI Flanges