

Unit no. SU-30



## STEAM UNIT

### Dimensions

Length(mm).....: 3700                                      Width(mm).....: 2450                                      Height(mm).....: 3035  
 Weight (kg).....: 8500  
 Lifting/ Transportation.....: 12' Offshore container with forklift channels and lifting slings. DNV 2.7-1  
 Certificate(s) / Serial No:.....: 42391

### Construction year

Built.....: 2004

### Area of use / certification

Onshore/offshore.....: Offshore  
 Standard.....: Norsok Z-015, CE, Unclassified area, (83 dBa)

### Flow / Pressure / Volume

Boiler.....: Clayton E-185 (Ser. No: B-6973)  
 Spark Arrestor.....: DNV certified. (Ref. cert./Ser. no. : SU-30b / GF-01)  
    Dimension : L 2820mm W 1000mm H 1570mm. Weight : 560 kg  
    Lifting/Transport : 2-leg chain sling  
 Maximum Effect (kW).....: 1850  
 Max. steam production (kg/hr).....: 2900  
 P-max (bar).....: 10    P-max (PSI).....: 145  
 Max Steam temperature (Gr.C).....: 184  
 Feed water tank volume (ltr).....: 1130  
 Diesel Tank Volume (ltr).....: 670  
 Diesel consumption (ltr/hr).....: 210

### Connections

Inlet connection.....: 1" offshore claw coupling  
 Outlet connection.....: 2" Steamcoupling Boss Spud (New type)

### Filter

Inlet filter house (type).....: Feedwater inlet: HECO 899014001  
    Diesel inlet: RACOR 500 FG  
 Inlet filter element (type).....: Feedwater inlet: PX 2010  
    Diesel inlet: PF-598-30

### Power supply

Fuse (qty).....: 1                                      Fuse (A).....: 63  
 El.Power1.....: 400-480 V (main) (Hz).....: 50/60                                      (kW).....:                                      (A).....: 63 "slow"  
 El.Power2.....: 690 V (main) (Hz).....: 50/60                                      (kW).....:                                      (A).....:                                      (A).....:                                      (A).....:                                      (A).....:                                      (A).....:  
 El.Power3.....: 230 V (Utility) (Hz).....: 50/60                                      (kW).....:                                      (A).....:                                      (A).....:                                      (A).....:                                      (A).....:

### Additional information

Equipment / Functions.....: High fire steam production : 2900 kg/hour @ 7,5 bar  
Low fire steam production : 1450 kg/hour @ 10 bar

- The water consumption at full effect is 20% higher than the steam production.

Sprinkler system : Swordsman foam system.

Fire, gas central :  
Ceag EEx de IIC T5 – T6<sup>1</sup> Ser. no. 40202-1

Ignition source connection and pressure relief steam if:

- 10% gas alarm (Detector mounted near air inlet).
- Fire alarm (Heat detector).
- Emergency shut-down on the outside of the container and the interior of the container.
- Emergency shut-down from control room.

Other safety functions :

- Flame detector on burner.
- Ring thermostat on coil.
- Level monitor in feed water tank.
- Max. surface temperature is 200°C.
- Max. exhaust temperature is 300°C.