Unit no. SU-63

IKM Testing AS

STEAM UNIT

Dimensions

Length(mm).....: 3680 Width(mm).....: 2438 Height(mm).....: 3032
Weight (kg).....: 8500
Lifting/ Transportation.....: 12' Offshore container with forklift channels and lifting slings. DNV 2.7-1
Certificate(s) / Serial No:.....: 106896/ SU-63

Construction year

Built.....: 2011

Area of use / certification

Onshore/offshore.....: Offshore
Z-015 (type).....: U05
Standard.....: Norsok Z-015, CE, Unclassified area, (74 dBa)

Flow / Pressure / Volume

Boiler.....: Clayton EO-185-1 (Ser. no: B-7599)
Spark Arrestor.....: DNV certified. (Ref. cert./Ser. no. : SU-63b)
Dimension : L 2820mm W 1000mm H 1570mm. Weight : 560 kg
Lifting/Transport : 2-leg chain sling
Maximum Effect (kW).....: 1815
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).....: 1200
Diesel Tank Volume (ltr).....: 600
Diesel consumption (ltr/hr).....: 210

Connections

Inlet connection.....: Water: 1” Offshore clawcoupling
Condensate: 2” 150# RF

Outlet connection.....: Steam: 2” Steam coupling Boss Spud (mounted in 3” 150# RF)
Drain, bypass: 3” 150# RF

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).....:
El.Power3.....: 230 V (Utility) (Hz).....: 50/60 (kW).....:

Additional information

IKM Testing AS

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 664 5002 R1284 EEx de IIC T5 ATEX 2146 (Ser. no. 72542-1)

Ignition source connection and pressure relief steam if:
- Gas alarm (Detector mounted at air inlet).
- Fire alarm.
- Emergency shut-down on the outside of the container.
- Emergency shut-down from control room.
- Error message from fire /gas-central

Other safety functions :
- Flame detector on burner.
- PT 100 element on coil.
- Level monitor in feed water tank.
- Max. surface temperature is 200ºC.
- Max. exhaust temperature is 300ºC.