Unit no. SU-71

IKM Testing AS

STEAM UNIT

Dimensions

Length(mm).....: 6058 Width(mm).....: 2438 Height(mm).....: 2778
Weight (kg).....: 14700
Lifting/ Transportation.....: 20' Offshore container with forklift channels and lifting slings. DNV 2.7-1
Certificate(s) / Serial No:.....: 65869 / SW 20-136 / SU-71

Construction year

Built.....: 2010

Area of use / certification

Onshore/offshore.....: Offshore
Z-015 (type).....: U05
Standard.....: Norsok Z-015, Zone 2, (80 dBa)

Flow / Pressure / Volume

Boiler.....: PH 27 12 bar
Spark Arrestor.....: SPARK ARRESTOR:
DNV certified. (Ref. cert./Ser. no. : SU-71b)
Dimension : L 1560mm W 600mm H 840mm. Weight : 560 kg
Lifting/Transport : Lifting lugs connected without lifting sling

FAN BOX:
Dimension : L 1380 mm W 1400 mm H 820 mm. Weight : 200 KG
Lifting/Transport : Non approved lifting
Ref. cert./Ser. no. : SU-71c
Maximum Effect (kW).....: 1800
Max. steam production (kg/hr).....: 2700
P-max (bar).....: 12 P-max (PSI).....: 175
Max Steam temperature (Gr.C).....: 193
Diesel Tank Volume (ltr).....: 800
Diesel consumption (ltr/hr).....: 300

Connections

Inlet connection.....: Water: 1” Offshore clawcoupling (connected to 1 ¼” 150# RF)
Diesel: 1” Camlock (connected to ¾” 150# RF)
Air: 1” Offshore claw coupling (connected to ½” 150# RF)

Outlet connection.....: Steam: 2” Steam coupling Boss Spud (connected to 3”150# RF)
Condensate: 1” 150# RF
Drain heater 1 1/4" 150# RF
Depressurizing steam: 2” Steam coupling Boss Spud (connected to 1 ¼” 150# RF)

Filter

Inlet filter house (type).....: OPUR SIRIO F50-1" / 20"
Inlet filter element (type).....: M23R20A (20" 5 micron)

Power supply

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

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Additional information

Equipment / Functions.....: Instrument air supply: 500 ltr/h, 4-6 bar

Ignition source connection and pressure relief steam if:
- Fire alarm
- Gas alarm.
- Emergency shut-down on the outside of the container
- Emergency shut-down on motor starter cabinet
- Loss of overpressure
- Emergency shut-down from control room

Other safety functions :
- Flame detector on burner.
- Feed water guard
- Safety valve
- Pressure guard / pressure controller
- Steam thermostat