



SURFACE DATA ACQUISITION CABIN

A 60 Offshore Service Module for zone 1 hazardous area

SAFETY DEVICES/SYSTEMS

A60 Personnel External door,
A60 Emergency escape hatches,
Pressurisation inlet and extract ducts, suitable for
pneumatic operated fire dampers Cable transit
frames, Grounding boses

Recess for cable connection junction boxes, air
supply point and pressurisation fan, Steel ladder for
roof access,

Electrical apparatus control and Instrumentation
box. - Aluminium flame proof enclosures Flame
proof compression glands.



ZONE 1 CABIN

Specifications

ELECTRICAL POWER SUPPLY

Input: 380/480v single phase input, 50/60 Hz
10 KVA transformer

Output: 110v 5KVA
240 KVA

Electrical system: 3 KVA voltage stabiliser
Distribution board c/w double
pole circuit breakers
3 ft twin fluorescent fittings
(50/60 Hz)
Double pole light switch
Exd emergency light (50/60 Hz)
battery back up
Exdbulklight in airlock
240v twin double pole socket
outlets
110v twin socket outlets
2 KW fan heater
Telephone communications
junction box Computer
connections.

MATERIAL

Container Shell: Corrugated, BS 4360 1986 43A/43C

Skid/Frame: BS 4360 Gd 43 or equivalent
Top corners, ISO corner castings, lifting
lugs base, forklift tunnels.

Insulation, Linings: Internal walls and ceiling lined with
non-combustible board to comply with
A60 Pressurisation ducts, inlet and
outlet lined to A60 reqs.

PRESSURISATION, SMOKE AND GAS

Cabin Pressurisation: 60 Pa above atmosphere,
air drawn from safe remote
source. Fan provides 10 air
exchanges per hour.

Esd purge and pressurisation shutdown panel
Unit Pressurisation Specifications: Variable purge
timer

Loss of pressure: Alarm, audible/Visual
Sustained loss of pressure: Electrical Shutdown
after 30 seconds

Loss of air flow : Alarm, audible/Visual
Sustained loss of air flow: Shutdown after 30
seconds

Gas detection:

Low level, 20% LEL: Alarm and visual
indication at gas panels

High level, 40% LEL: Pressurisation unit and
electrical shutdown

2 off gas detectors fitted

Smoke detection:

1 off Smoke detector fitted: Shutdown on detection
1 off Heat detector fitted

In the event of shutdown all emergency lights will
remain on. Lights are EX rated.

Portable fire extinguishers fitted internally.

DIMENSIONS

H x L x W; 8' 6" x 16' x 8'

Estimated Weight: 8 ton