



BLEO HOLM FPSO

Data Sheet



bluewater

Power by People

BLEO HOLM FPSO

The BLEO HOLM's main functions are:

- Receipt of fluids from subsea wells;
- Control of the subsea wells;
- Processing of the incoming fluids for separation into crude, water and gas;
- Storage of the stabilised crude oil and maintaining it at the required temperature;
- Treatment of effluent for discharge of water to the sea;
- Chemical injection;
- Export of produced gas to the Frigg pipeline. Part of the gas is utilized as fuel;
- Offloading of crude into "tandem moored" shuttle tankers;
- Power generation for process, gas export, offloading and utilities
- Provide accommodation for operating and maintenance personnel
- Provide helideck for helicopter operations

All systems are designed for a minimum annual average production up- time of 95%.

VESSEL DATA	
Length	242.3 m
Breadth moulded	42 m
Depth moulded	21.2 m
Dead weight tonnage	105,000dwt
Deck area	7,985 m ²
Accommodation	90 persons

PERFORMANCE DATA	
Storage capacities	
Exportable crude	109,000 m ³ (689,472 bbls)
Slop tanks	7,602 m ³ (41,838 bbls)
Diesel Oil	2,900 m ³ (19,430 bbls)

Processing Capacities	
Fluid capacity	140,000 bpd
Crude	100,000 bpd
Produced water (max)	135,000 bwpd
Oil content water discharged	< 30 ppm
Offloading (max)	33,000 bbls/ hr

Stabilised crude	
RVP	10-12 psia
H ₂ S	0 ppm
BS&W	< 1.0 %

Water injection	
Capacity (max)	140,000 bwpd
Design pressure	3500 psia

Gas lift	
Design pressure	2900 psia
Operating temperature	45 °C
Flow rate	58 MMscfd

Power	
Main generators	2 x gas turbine, 1 x diesel
Capacity	2 x 10 MW + 1 x 5.3 MW
Emergency generator	1 x 0.5 MW Diesel

Offloading	
Parcel size	500,000 bbls

Gas export	
Flow rate (max)	40 MMscfd
Pressure	1,750 psia