



Section 07 - Gas Compressors - Sales Item 07030710

Gas Compressor Train (Centrifugal) up to 40mmscfd – Offered ‘As is, where is’ with only 2 years Service on FPSO, or Fully Refurbished by Original Equipment Manufacturer. 1-Unit Available.

Refurbishment can be offered subject to separate Contract.

Ex Bleo Holm FPSO Compressor:

Three stage Dresser centrifugal compressor train. Designed to handle up to 40mmscfd of gas Molecular Weight 20,22 though could be modified for other Molecular Weights. Input suction pressure 10-12 bar, output 180 bar.

Full automatic electronic controls for remote operation from DCS and local control. Also supplied by Dresser.

First entered service on April 19th 1999 and used throughout on sweet gas for export, gas lift and fuel gas. Operated for approximately 2 years with no major problems or damage. Removed and mothballed in April 2001 to allow replacement by larger machine necessary for a new field tie-back.

The compressors are electrically driven by three phase 6.6kV 60Hz motors. The train is made up of three skids, an LP/MP compressor skid, HP compressor skid and centralized lubricating oil skid. These are configured as follows:-

LP/MP Skid approximately 11 mtrs long. Input power 5MW.

HP Skid approximately 9 mtrs long. Input power 2.5 MW.

Lub oil Skid approximately 7.3 x 3.1m.

Approximate inter-stage pressure 60 bar.



COMPRESSORS

Medium Pressure Compressor: MP1 + MP2:

Centrifugal compressor Dresser model 451B4/5, single casing, two stages, gear box + fixed speed monitor.

Footprint = 8.6 x 3.1 m

Weight = 43,500 kg

Speed = 11199 rev/min

MP1 Duty...

Flow = 5930 am³/h

Suction = 10.1 bara (29.7 deg C)

Discharge = 25.1 bara

Power = 2213kW

Mol Wt = 28.36

MP2 Duty...

Flow = 2134 am³/h

Suction = 24.6 bara (30.0 deg C)

Discharge = 67.0 bara

Power = 2508 kW

High Pressure Compressor:

Single Casing, one stage, gearbox + fixed speed motor.

Footprint = 7.3 x 3.1 m

Weight = 30,100 kg

Speed = 13663 rev/min

MP1 Duty...

Flow = 519 am³/h

Suction = 66.02 bara (29.7 deg C)

Discharge = 180.0 bara

Power = 1967kW

Mol Wt = 23.63

Lubricating Oil Console:

Common to both compressors

Footprint = 7.3 x 3.1 m

Weight = 6,500 kg dry / 13,500 kg operating

Pricing:

Sale price – All realistic offers to be considered of the Compressor 'as is, where is' in United Kingdom.

Sale price fully refurbished with Warranty to be subject to Agreement,

Photographs:





General Information:

The Compressor was previously owned by Talisman Energy, and has been stored to Dresser recommendations and turned as required. Talisman Rotating Equipment Engineers have inspected since initial storage and confirmed that the unit was in A1 condition.

Dresser UK have previously indicated interest in refurbishing the unit to be suitable for the Molecular Weight and application required for the new owner plus supply of limited warranty – This was estimated at between £600,000 and £900,000 subject to SOW 3 years ago.

Offers Considered 'as is, where is' UK, or subject to Discussion Fully Refurbished
with Manufacturers Warranty.

Offered Subject to Prior Sale

Managed inspections welcome by appointment