

## M/V „ATRICE“

- \* Ethylene / Liquid Petroleum Gas Carrier
  
- \* Built 1984 Martin Jansen, Leer / Germany according to USCG/RINA/IMO regulations  
Liberia Flag - Call Sign: E L Q R 3  
abt. 8.711 mtdwt sfb on abt. 8,22 m  
GRT / NRT abt. 6.755 / 2.026  
LOA: 126,06 m / LBP: 118,67 m / Beam: 18,50 m / Depth: 11,80 m
  
- \* Owners: M.T. „BEATRICE“ GmbH & Co. KG  
Bernhard Schulte, Hamburg - as Managers
  
- \* Cargo Tank Capacity:  
tank 1 - 2.541,0 / 2.490,0 cbm (at 100 % / 98 %)  
tank 2 - 2,550,0 / 2.499,0 cbm  
tank 3 - 2.543,0 / 2.492,0 cbm  
total : - 7.634,0 / 7.481,0 cbm  
  
Pressure/Valve setting: 5,0 bar (IMO) / 3,2 bar (USCG) (g)  
Temperature: minimum - 104 degrees C  
max. permissible vacuum: 0,70 bar (abs)  
max. permissible density: 972 kg/cbm
  
- \* Deck tank: 65 cbm at 100 %  
max. pressure 19,0 bar (g) suitable for storage of Propylene
  
- \* Cargo pumps: Deepwell: 6 x Svanehoj  
capacity: 125 cbm/hr against 120 m L.C.
  
- \* Booster: 2 x Svanehoj  
capacity: 250 cbm/hr against 120 m L.C.
  
- \* Cargo compressors : 3 x Sulzer K 105 - 2 F (oilfree)  
R 22 : 3 x Mycom F 1612 C  
Booster : 1 x Sundstrand LMC - 313 F
  
- \* Cargo heaters: 2 integrated condenser/evaporator/cooler  
heating medium: direct - seawater  
capacity: 260 cbm/hr at 15 degr. C seawater temperature
  
- \* Inert Gas Generator: Smit Ovens (Nitrogen Generator)  
700 cbm/hr Inertgas at 7 bar discharge pressure  
500 cbm/hr Nitrogen at 7 bar discharge pressure

\* Transportable products:  
Ethylene; Ethane; Butane; Propane and mixtures; Anhydrous Ammonia;  
Butadiene; Vinyl Chloride Monomer; Propylene; Butylene; Propylene Oxide;  
Isoprene Monomer; Propylene Oxide/Ethylene Oxide mixture (70/30 %); Crude  
C4; Raffinates.

\* Vessel can load/cool/discharge 2 grades simultaneously  
Vessel can fully segregate 2 grades

\* Gear: 2 x 2 mtons cranes at 8,0 m outreach for handling cargo hoses

\* Speed / Consumption:  
(based on loaded condition in moderate weather with wind max. Beaufort 3 and  
streamless and calm deep sea)

at sea : abt. 14,0 knots on abt. 16,0 mtons IFO  
no MDO when not cooling or heating  
abt. 3,0 mtons MDO when cooling or heating

at port : abt. 1,45 mtons IFO plus abt. 3,0mtons MDO excl. cooling or heating  
abt. 1,45 mtons IFO plus abt. 5,0 mtons MDO when cooling or heating

Charterers shall supply suitable fuels as per specification to enable main propulsion  
and auxiliary machinery to operate efficiently and without harmful effects. Fuels to  
be mineral based products of stable and homogeneous nature, complying with  
current CIMAC recommendations and ISO standards 8217 Or any subsequent  
amendments thereof, and shall not contain waste lubricants, tar oil, inorganic acids,  
chemicals or any other harmful substances.

\* Fuel Oil specification: **ISO 8217 : 1996 (E)**

Main Engine: **RMG 35**  
with CCAI (Calculated Carbon  
Aromaticity Index)  
max: 850 (Ignition Reality)

Auxiliaries: **DMB**

\* Engines: Main engine: **MAK 8M 552**  
4.300 kW

Auxiliaries: 3 x Yanmar 6 UAL-UT  
550 kW each

Shaft Generator: Siemens  
1 x 1.000 kW



## M/V „BEN FLOR“

- \* Ethylene / Liquid Petroleum Gas Carrier
  
- \* Built 1985 Martin Jansen, Leer / Germany according to USCG/RINA/IMO regulations  
Liberia Flag - Call Sign: E L T V 3  
abt. 9.129 mtdwt sfb on abt. 8,30 m  
GRT / NRT abt. 6.867 / 2.060  
LOA: 127,30 m / LBP: 119,30 m / Beam: 18,50 m / Depth: 11,80 m
  
- \* Owners: M.T. BEN FLOR“ GmbH & Co. KG  
Bernhard Schulte, Hamburg - as Managers
  
- \* Cargo Tank Capacity:  
tank 1 - 2.623,0 / 2.571,0 cbm (at 100 % / 98 %)  
tank 2 - 2,844,0 / 2.787,0 cbm  
tank 3 - 2.633,0 / 2.580,0 cbm  
total : - 8.100,0 / 7.938,0 cbm  
  
Pressure/Valve setting: 5,0 bar (IMO) / 3,2 bar (USCG) (g)  
Temperature: minimum - 104 degrees C  
max. permissible vacuum: 0,70 bar (abs)  
max. permissible density: 972 kg/cbm
  
- \* Deck tank: 65 cbm at 100 %  
max. pressure 19,0 bar (g) suitable for storage of Propylene
  
- \* Cargo pumps: Deepwell: 6 x Svanehoj  
capacity: 125 cbm/hr against 120 m L.C.
  
- \* Booster: 2 x Svanehoj  
capacity: 250 cbm/hr against 120 m L.C.
  
- \* Cargo compressors : 3 x Sulzer K 105 - 2 F (oilfree)  
R 22 : 3 x Mycom F 1612 C  
Booster : 1 x Sundstrand LMC - 313 F
  
- \* Cargo heaters: 2 integrated condenser/evaporator/cooler  
heating medium: direct - seawater  
capacity: 260 cbm/hr at 15 degr. C seawater temperature
  
- \* Inert Gas Generator: Smit Ovens (Nitrogen Generator)  
700 cbm/hr Inertgas at 7 bar discharge pressure  
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abt. 1,45 mtons IFO plus abt. 5,0 mtons MDO when cooling or heating

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and auxiliary machinery to operate efficiently and without harmful effects. Fuels to  
be mineral based products of stable and homogeneous nature, complying with  
current CIMAC recommendations and ISO standards 8217 Or any subsequent  
amendments thereof, and shall not contain waste lubricants, tar oil, inorganic acids,  
chemicals or any other harmful substances.

\* Fuel Oil specification: **ISO 8217 : 1996 (E)**

Main Engine: **RMG 35**  
with CCAI (Calculated Carbon  
Aromaticity Index)  
max: 855 (Ignition Reality)

Auxiliaries: **DMB**

\* Engines: Main engine: **MAN 6L 52/55 B**  
4.650 kW

Auxiliaries: **3 x Yanmar 6 UAL-UT**  
550 kW each

Shaft Generator: **Siemens**  
1 x 1.000 kW

