

Vessel's Particulars  
**The Planettype**



Flag	GERMAN, alternatively NETH.ANTILLES
Port of Registry	LEER, Willemstad / N.A.
Builders	Stocznia Gdynia JSC
LOA/LBP	158,75 m / 145,00 m
B (mld)	24,00 m
D (mld)	13,90 m
Design Draught	8,50 m
Scantling Draught	10,20 m
Deadweight	abt. 13.000 ts on design draught of 8,50 m abt. 18.400 ts on scantling draught of 10,20 m
Accomodation	20 + 1 + 4 = 25 in total
Tonnage	Gross 14.241 BRZ Net 6.256 BRZ
Main Engine	B & W 7S 50 MC developing 10.010 kW at 125 rpm The engine is equipped for pier to pier operation on 600 cst fuel.
Bow Thruster	1 x 650 kW
Diesel Generators	3 x Wärtsila Vasa 6 R 20 Total 3100 kVA Burning same fuel as main engine ( UNIFUEL ) consumption ideal port / sea 1,5 - 2,0 t per day
Predicted Service	Basis design draught, 380 cst fuel oil, 15% sea margin, 18.5 KN
Cruising Range	13.000 nm
Performance	Normal sealoaded 17.0 KN ---- 32,0 MTS 18.0 KN ---- 35,0 MTS 18.5 KN ---- 41,5 MTS without reefers onboard
Maximum Speed	19,5 knots / 41,5 td / day MCR ( 90% / 15% sea margin )
Communications	Vessels are equipped with SATCOM B for telephone, Fax and HSD communication. A communication software by AMOS mail® provides email-access for telexcom. SATCOM C or SSB is available.
Bridge	Equipped for "ONE MAN BRIDGE".
Container Intake	1129 TEU, 551 FEU + 26 TEU ( IMO )

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**Cargo Flexibility**

The vessel is designed to accommodate containers of following dimensions:

- 20' containers
- 40' containers
- 45' containers
- 49' containers

oversized container capacity:  
 in hold : 2 x 9'6" + 3 x 8'6" or 4 x 9'6" or 5 x 8'6" (vertical)  
 on hatsch apr. 190 of 45' and 54 of 49'

**Reefer Plugs**

152 / 16 Amp reefer sockets are installed above deck. Each is capable of supplying any type of 'integral' reefer unit found in the market. A power cable monitoring system Bidirectional ( SABROE ) and log are installed in the shipoffice with alarm on the bridge.

**Cargo Acceptance**

Hold 1 : IMO cargoes 1-8 as per SOLAS ch. VII  
 Hold 2 - 4 : IMO cargoes 2-8 + 9 as per SOLAS Ch. VII  
 ( except bay adjacent to ER bulkhead ) deck all classes

**Cargo Cranes**

Two NMF electro-hydraulic cranes are positioned in center line between holds nos. 1 & 2 and 3 & 4. The cranes have high level jibs hinged above the 4th and 5th tier of deck containers. The slewing range of each is unrestricted and safe working load is 43 ts at 28,0 m. The minimum outreach is 1,6 m.

**Cargo Holds**

4 cargo holds dimensioned according to standard container dimensions for maximum container intake. The sides of all cargo holds are flush with the hatch coamings.

	Hold NO. 1A	Hold NO. 1B
Lenght	1 x 40' or 2 x 20'	1 x 40' or 2 x 20'
Breadth	6 x 8',0" maximum	6 x 8',0" maximum
Depth	3 x 8'0" maximum, Aft 5 x 8'6'	5 x 8'6"
	Hold NO. 2A+B	
Lenght	1 x 40'	
Breadth	9 x 8',0"	
Depth	5 x 8'6" or 2 x 9'6" + 3 x 8'6"	
	Hold NO. 3A+B	
Lenght	1 x 40' or 2 x 20'	
Breadth	9 x 8',0" maximum	
Depth	5 x 8'6" or 2 x 9'6" + 3 x 8'6"	
	Hold NO. 4	
Lenght	1 x 40' or 2 x 20'	
Breadth	9 x 8',0" maximum	
Depth	5 x 8'6" or 2 x 9'6" + 3 x 8'6"	



#### Homogeneous Load

850 TEU 10,20 m draft ( 14 tons IMO criteria )  
750 TEU 8,50 m draft  
640 TEU 7,00 m draft  
400 TEU 6,00 m draft

#### MAX. STACK LOAD

#### Permissible loads on hatch covers

FEU 90 tons / TEU 70 tons

#### Tank top in holds

FEU 150 tons / TEU 120

#### On poop deck ( in front of superstructure )

FEU 90 tons / TEU 70 tons

#### Oversize Units

90 tons

#### Hatch Covers

Each hatch is divided longitudinal into two pontoons. The centre line is weathertight sealed. Hatch sealing arrangement permits handling of pontoons independent of adjacent pontoons avoiding requirements of sequential loading and unloading.

Twistlock foundations are welded to the hatch covers ( 110 mm ), otherwise the covers are flush. Container lashing is by American twistlocks ( semiautomatic ) and lashrods on lash bridges. The vessel has sufficient fittings and lashings on board for securing a full cargo of containers.

ALL PONTOONS MAY BE HANDLED BY SHIPS' s CARGO CRANES AND CAN BE STOWED ON TOP OF 40' CTR

Maximum pontoon weight = 38 tons

#### Hatch sizes

Hold No. 1A one hatch 12800 x 15600 mm aft / 10750 mm fwd.

Hold No. 1B one hatch 12800 x 15600 mm

Hold No. 2 A+B two hatches 12800 x 20600 mm

Hold No. 3 A+B two hatches 12800 x 20600 mm

Hold No. 4 two hatches 12800 x 20600 mm

#### Pontoon sizes

Hatch No 1 : 12,8 m x 7,3 m

Hatch No 2 - 8 : 12,8 m x 10,3 m

#### Contact

ALPHA SHIP GmbH

Domshof 14/15

D-28195 Bremen

Germany

Phone +49 (421) 1 73 98-0

Fax +49 (421) 1 73 98-99

eMail bremen@alphaship.de