

## ESL AFRICA

Openhatch fully box / doubleskinned ice class 1A geared, tweendecker convertible into singledecker Lakes / Grain / CO<sup>2</sup> fitted

### GENERAL

<b>IMO number</b>	9397171
<b>Built</b>	2007
<b>Shipyard</b>	Hudong-Zhonghua Shipbuilding Group Co. Ltd.
<b>Ice class</b>	Finnish/ Swedish 1A (Ice belt zone: 4,90 – 9,895m)
<b>Main particulars</b>	
<b>DWAT</b>	17.300 mt
<b>Length over all</b>	143,00m
<b>Breadth over all</b>	21,50 m
<b>Drafts</b>	Summer 9,69 m ssw, Tropical 9,909 m, Winter 9,505 m
<b>TPC SSW</b>	27,9 mt /cm
<b>Air draft (in Ballast)</b>	35,40 m
<b>Dept (moulded)</b>	13,30 m
<b>Distance WL-HC in ballast</b>	abt. 10,50 m
<b>GT</b>	11.864
<b>NT</b>	5.650



### CARGO CAPACITIES

<b>Total cubic feet capacity</b>	707.633 grain/bale tweendeck pontoons stored on deck
<b>Total cubic feet capacity</b>	655.924 grain/bale tweendeck pontoons stored in hold
<b>Cubic capacity hold no. 1</b>	269.401 cbft tweendeck pontoons stored on deck
<b>Cubic capacity hold no. 2</b>	438.232 cbft tweendeck pontoons stored on deck

### TWEENDECKS

The vessel is equipped with a full tweendeck, consisting of loose tweendeck pontoons of each:

#### TWEENDECK SIZES:

<b>Nr. 1</b>	9,90m x 3,22m x 0,90m	weight abt 6 tons
<b>Nr. 2 + 3</b>	12,57m x 6,48m x 0,90m	weight abt 25 ton
<b>Nr. 4 – 14</b>	17,65m x 6,48m x 0,90m	weight abt 33 tons

Tweendecks can be used as vertical bulkheads at every 20ft interval.  
Tweendecks can be stowed in holds at 3 different positions heightwise (see drawing).

### STRENGTHS

	Uniform	TEU / FEU
<b>Max pressure tanktop</b>	20,00mt/ sqm	---
<b>Max pressure tweendeck</b>	4,00 mt /sqm	---
<b>Max pressure weatherdeck</b>	1,75 mt / sqm	50 / 60mt

### CARGO CRANES

3 cranes fixed on portside - each with a capacity of 60 mts at a reach of upto 16m  
- or capacity of 40 mts at a reach of upto 28 m  
The cranes can be combined to up to 120 mts but not the entire holds/ hatches can be served with this maximum lifting capacity. Free distance between the cranes is 31 meters. Vessel fitted with lifting beam (weight about 10 tons).

Container intake  
467 TEU nominal total (on deck only) – 60 reefer plugs connections (on deck)

Stability according to IMO regulations, above calculated on 50% fuel and fresh water, max draft and minimum GM, all within max stack load. Container intake is always subject to vessel's trim/stability and permissible stack weights and in accordance with specific weight distribution tables per bay described in Container Lashing Manual.

### HOLDS/ HATCHES

<b>2 Holds/ 2 Hatches</b>	Macgregor Navire Hydraulic steel pontoon hatches
<b>Both types are</b>	Fully openhatch – no understow Fully box and double skinned Fully square-except box structures due to vessel's outer shape.

### DIMENSIONS

<b>Hold No. 1</b>	35,80 x 17,75 x 13,50
<b>Hold No. 2</b>	52,10 x 17,75 x 13,50 (see drawing)

### ELECTRICAL

<b>VENTILATION</b>	12 air changes per hour Both holds fitted with dehumidifier
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### ENGINES

<b>Main Engine</b>	1 x Wartsila 8L46B, 7800 kW at 500 rpm
<b>Reduction Gear</b>	1 x Flender, CUCP 1120
<b>Propeller</b>	Wärtsilä propulsion, 4 blades, 4800mm
<b>Bow Thruster</b>	750 kW

Some particulars can vary and all are believed to be correct, but not guaranteed.



# ESL 17300DWT | Stowageplan

