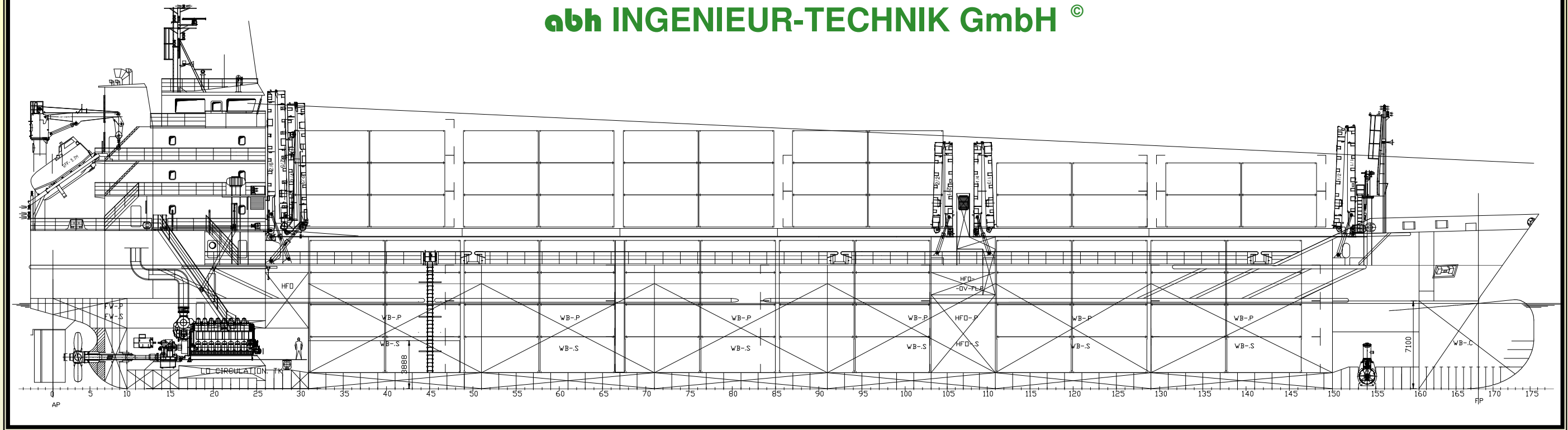


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Design: **abh INGENIEUR-TECHNIK GmbH**

**Type of Vessel:** Multi-Purpose Container Vessel

**Scantling** London-Rules: abt. GT 6.120  
abt. NT 2.900

**Deadweight:** abt. 6.800 tdw at D = 6,90 m  
abt. 7.240 tdw at D = 7,20 m

**Classification:** GL + 100 A5 "G" "E3"  
"Equipped for Heavy Cargo 15 t/m<sup>2</sup>"  
"Equipped for Carriage of Containers"  
"SOLAS II-2, Rule 19"  
+ MC AUT "E3" "BWM"

**Operation Range:** abt. 8.500 nm

**Main Dimensions:**  
Length over all abt. 120,10 m  
Length between perp. abt. 115,40 m  
Breadth moulded abt. 16,50 m  
Depth to main deck abt. 10,00 m  
Design Draught abt. 6,90 m  
Scantl. Draught abt. 7,20 m

**Speed:** abt. 15,0 kn at D = 6,90 m at abt. 85% MCR

**Hold Capacity:** abt. 363.000 cbf (Grain)  
abt. 350.000 cbf (Bale)

**Container Capacity:**  
in hold abt. 220 TEU abt. 110 FEU + 2 TEU  
on deck abt. 192 TEU abt. 96 FEU  
total abt. 414 TEU abt. 206 FEU + 2 TEU

**Hatches:**

Weather deck hatch covers: folding type, hatch covers appropriate for 20/40' containers, 50/60 t stack loads  
hold I abt. 27,30 x 13,50 m  
hold II abt. 50,40 x 13,50 m

**Hold:** Container stack load at double bottom:  
80/100 t stack loads 20/40' Container  
Reinforced for steel coils 45 t

**Tank Capacities:**

Ballast water abt. 2.800 m<sup>3</sup>  
HFO abt. 360 m<sup>3</sup>  
MDO abt. 75 m<sup>3</sup>  
FW abt. 60 m<sup>3</sup>  
Luboil abt. 15 m<sup>3</sup>

**Deck's Machinery:**

2 comb. anchor winches with 1 mooring drum and 1 warping head  
2 electrically driven mooring winches  
1 electro hydr. steering gear

**Deck's Equipment:**

1 free-fall lifesaving boat for 15 persons, 1 rescue boat  
2 life rafts for 15 persons each  
1 combined provision/rescue crane, SWL 1 t, outreach 2,7 m  
1 service crane, SWL 4,2 t, outreach 11,6 m

**Special Plants:**

bowthruster, fixed pitch propeller, el. driven, abt. 450 kW,  
containerfootrests in hold and on hatch cover  
remote controlled operated ballast water valves  
semi balanced flap rudder  
2 signal masts  
2 masts for radar  
electr. hold air ventilation, 6-fold airchange  
1 grain bulkhead, moveable

**Propulsion Plant:**

1 engine for HFO, power abt. 3840 kW, N = 600 rpm  
1 elastic coupling  
1 marine reduction gear  
1 controllable pitch propeller, diameter abt. 4,20 m  
1 stern tube oil lub

**Aux. Engine Plant:**

2 Aux. for MDO abt. 380 kW/475 kVA, TPC const.gen. 220/400 V, 50 Hz  
1 emerg. for MDO abt. 92 kW/115 kVA, TPC const.gen. 220/400 V, 50 Hz  
1 shaft generator of abt. 650 kW/813 kVA  
2 starting air compressors, 25 m<sup>3</sup>/h  
1 working air compressor, 120 m<sup>3</sup>/h  
1 HFO separator  
1 HFO/MDO separator  
2 HFO transfer pumps  
2 MDO transfer pumps  
1 HFO oil automatic filter  
1 lub.-oil separator  
1 lub.-oil transfer pump  
1 lub.-oil automatic filter  
1 spare lub. oil pump for main engine  
1 bilge water separator acc. MARPOL 01.10.1973  
4 cooling fresh water pumps (HT/LT)  
2 central cooling fresh water plate coolers (LT)  
1 cooling fresh water plate cooler (HT)  
2 ballastwaterpumps, 250 m<sup>3</sup>/h  
1 freshwater separator, 3 t/day  
1 freshwater pressure tank  
1 sewage treatment plant  
1 fire-fighting plant for engine room acc. rules  
1 emergency fire-fighting pump  
1 CO<sub>2</sub>-fire-fighting plant for cargo hold/engine room  
1 thermo-oil boiler, abt. 500 kW  
1 thermo oil exhaust gas boiler, abt. 500 kW  
1 heating, incl. warm water and air-heating in accommodation  
1 AC-plant

**E-Plant:**

power 400 V, 50 Hz  
lighting 220/400 V, 50 Hz  
emergency light 220/400 V, 50 Hz  
automation 24 V, DC

**Special Plant incl. Nautical Equipment:**

1 signal flash light, 1 search light  
1 GYRO-compass with autopilot  
1 bearing compass on wheelhouse top  
1 rudder indicator  
2 radar units  
1 echosounder, 1 log  
2 VHF marine radio stations  
1 APN-navigator  
1 wireless telegraph (DSC)  
1 sound powered telephone  
1 radio direction finder  
1 microphone  
1 EPIRP-sea bouy  
1 AIS, 1 VDR  
complete GMDSS-equipment for A1 and A2

**Accommodation:**

12 persons