



Ektank T28

22 700 m³ Chemical & Product Tanker for Chemicals (IMO II)

GENERAL

The FKAB T28 is a 22 700 m³, TIER II oil product tanker for chemicals (IMO II) and oil products. It is designed for low fuel consumption and high cargo capacity with a density of 1,54 ton/m³ in SECA area trade. The hull form is designed for good performance in harsh weather conditions. Tanker is designed for European waters. Vessel is divided into 12 cargo tanks, two slop tanks, 2 drain tanks on deck. The cargo system is handling 6 grades of cargoes simultaneously.

A longitudinal pipe trunk above deck with a passage between poop and the forecastle is arranged. Cables and pipes are located inside the pipe trunk. Ballast tanks are protecting the cargo tanks. Two ballast tanks are arranged as heeling tanks.

The propulsion system consists of one slow speed two stroke engine coupled to a controllable pitch propeller.. "Take me home" / "Take me away" to be handled via PTI by shaft generator.

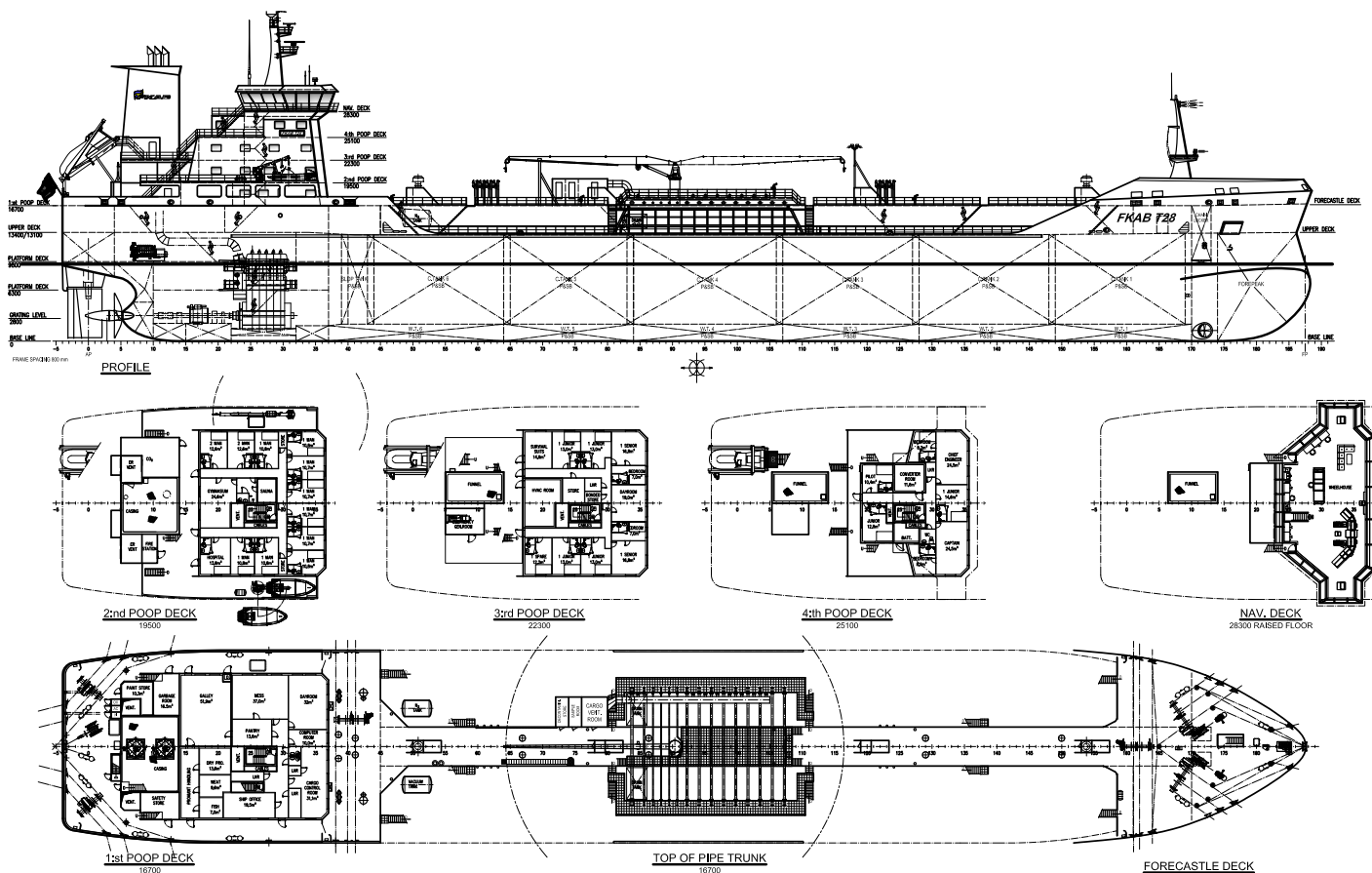
The ship shall be designed with Finnish/Swedish ice class, ICE 1A.

MAIN FIGURES

Cargo cubic capacity, incl sloptanks (100%)	22 700 m ³
Deadweight at design draught	18 600 tonnes
Loading rate tanks	1 600 m ³ /hr, 800 m ³ /h to two cargo tanks
Discharge rate	1 960 m ³ /h

Economical service speed 13,0 knots at design draught 61% SMCR with 10% sea margin and 10% output of the shaft generator.

Fuel consumption at economical service speed at design draught, 55% SMCR with 10% seamargin, no output of the shaft generator MGO 12,1 ton/day)



MAIN PARTICULARS

Length over all	154 m	Main engine	One two-stroke engine abt 5 500 kW (MCR) at abt 89 rpm
Length between PP	149,9 m	Aux engines	4 x 660 kW and 1 x emergency
Breadth mld	23,75 m	Shaft generator	1 375 kW
Depth mld	13,10 m	Boilers : Two thermal oil boilers, each of 3 250 kW and 1 x combined oil and exhaust gas heater	
Draught design	9,35 m	Bow thruster	1 000 kW
Draught scantling	abt. 9,75 m	Cargo pumps	12 x 330 m³/h
Deadweight at design draught	18 600 tonnes	Slop pumps :	2 x 100 m³/h
Cargo capacity	22 700 m³	Ballast pumps	2 x 500 m³/h
HFO tanks	480 m³	Nitrogen system	95% purity of 2 500 m³/h
MDO tanks	130 m³	Accommodation	24 pers
Technical FW tanks	240 m³	Gross/Net tonnage	14134/6503
Domestic FW tanks	100 m³	EEDI prel	
Water ballast	8 200 m³		

CLASS

DNV + 1A1 Tanker for Oil / Chemicals, ESP, ICE 1A, EO, HL (1,54), TMON, BIS, NAUT-OC, Clean, INERT, VCS-2, AP-1 (25%), ETC, BWMT