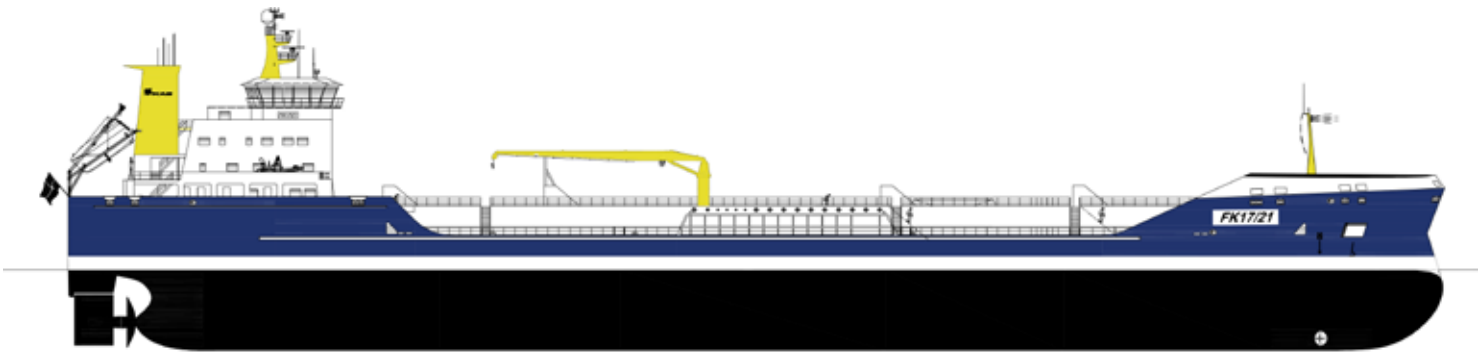


FK17/21

21 500 m³ Chemical and Oil Product Tanker

GENERAL

The FKAB FK17/21 design is a Chemical & Oil Product Tanker with the aim trading in the north European waters consideration to St Lawrence Seaway Navigation, draught restriction in various ports and keeping the rule length below 150 m.

The vessel is divided into ten cargo tanks, two slop tanks and one retention tank on deck, complying with five segregations.

A longitudinal pipe tunnel above deck with a passageway between poop and forecastle is arranged. Cables and pipes to be located inside the pipe tunnel

Ballast tanks are protecting the cargo tanks.

Propulsion is provided by a medium speed diesel engine with a gear and shaft generator coupled to a CP-propeller. Take me home device and boosting, to comply with the ice rules, through PTI from the auxiliaries.

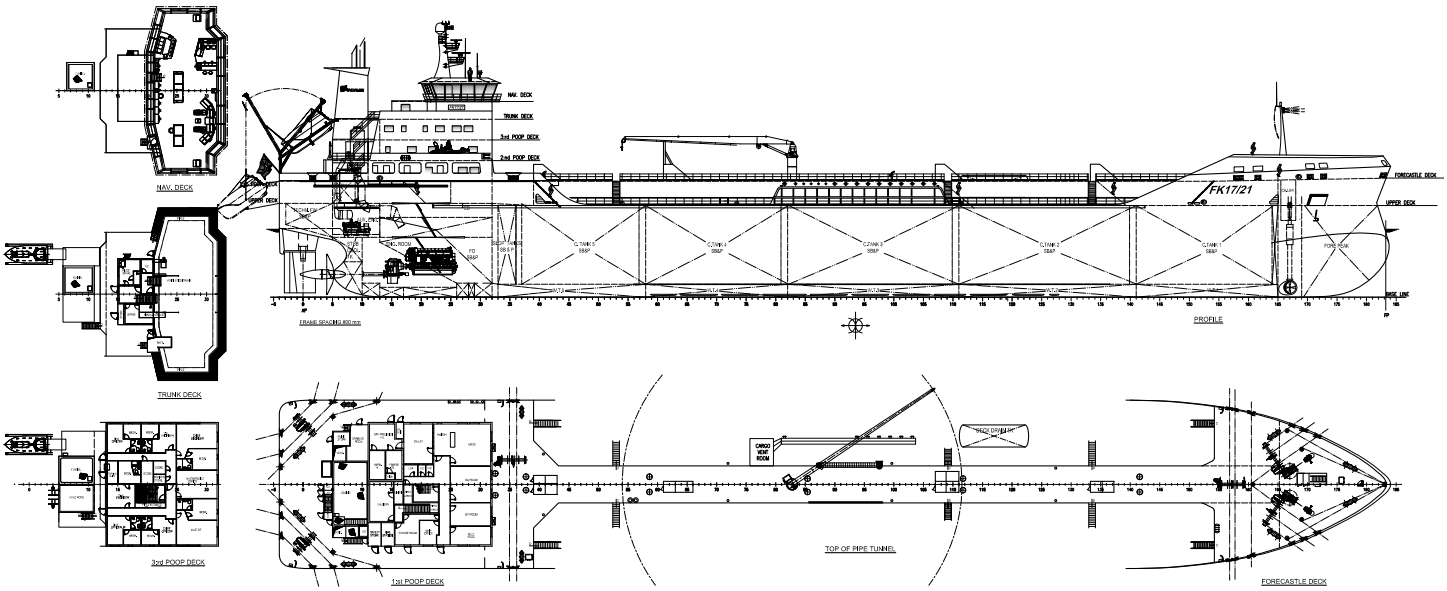
In order to save fuel the shaft generator is connected via a frequency converter allowing optimum propeller rpm at various speeds.

Fuel consumption per 24 hours at the service speed, excluding the shaft generator is calculated to 13,2 ton.

SWEDEN
Uddevalla, Gothenburg
E-mail: info@fkab.se
Web: www.fkab.com

FKAB MARINE DESIGN
WHEN PERFORMANCE MATTERS

CHINA
Shanghai
E-mail: info@fkab.com
Web: www.fkab.com



MAIN PARTICULARS

Length over all	155 m
Length between PP	151,30 m
Breadth mld	23,70 m
Depth mld	12,40 m
Draught design	8,80 m
Deadweight at design draught	17 000 tonnes
Cargo capacity, incl. sloptanks (100%)	21 500 m^3
Loading rate	2 400 m^3/h
Discharge rate	2 100 m^3/h
FO tanks	550 m^3
DO tanks	150 m^3
Technical Fresh water	300 m^3
Domestic Fresh water	50 m^3
Urea tank	30 m^3
Water ballast	7 300 m^3
Main engine	4 500 kW at 750 rpm
Aux engines	2x750 kW, 1x400 kW at 1 500 rpm
Shaft generator	1 100 kW
Bow thruster CP	1 000 kW
Cargo pumps	6 x 350 m^3/h
Ballast pumps	2 x 500 m^3/h
Accommodation	18 pers
Service speed (8.8m) 85% MCR incl. shaft generator and 15% sea margin	13,5 knots

CLASS

BUREAU VERITAS: I +HULL +MACH, Oil Tanker, Chemical tanker (IMO II), ESP, Unrestricted Navigation, ICE 1A, AVM-APS, AUT-UMS, MON-SHAFT, IN WATER SURVEY, EWCT, BWT, IG

20180108

SWEDEN
Uddevalla, Gothenburg
E-mail: info@fkab.se
Web: www.fkab.com

FKAB MARINE DESIGN
WHEN PERFORMANCE MATTERS

CHINA
Shanghai
E-mail: info@fkab.com
Web: www.fkab.com