



# Donso tank T29

22 000 DWT Product / Chemical tanker

## GENERAL

The FKAB T29 22 000 dwt / 28 000 m<sup>3</sup> tanker for product and chemicals (IMO II) and oil products. The hull is optimized to achieve maximum cargo intake, for low fuel consumption, designed for excellent performance in calm/ harsh weather conditions.

The vessel is divided into 14 cargo tanks, 2 drain tanks on deck, consisting of 7 cargo segregations. Cargo density 1,54 ton/m<sup>3</sup> and ton/m<sup>3</sup> when partly filled. Each cargo tank fitted with individual deep well cargo pump.

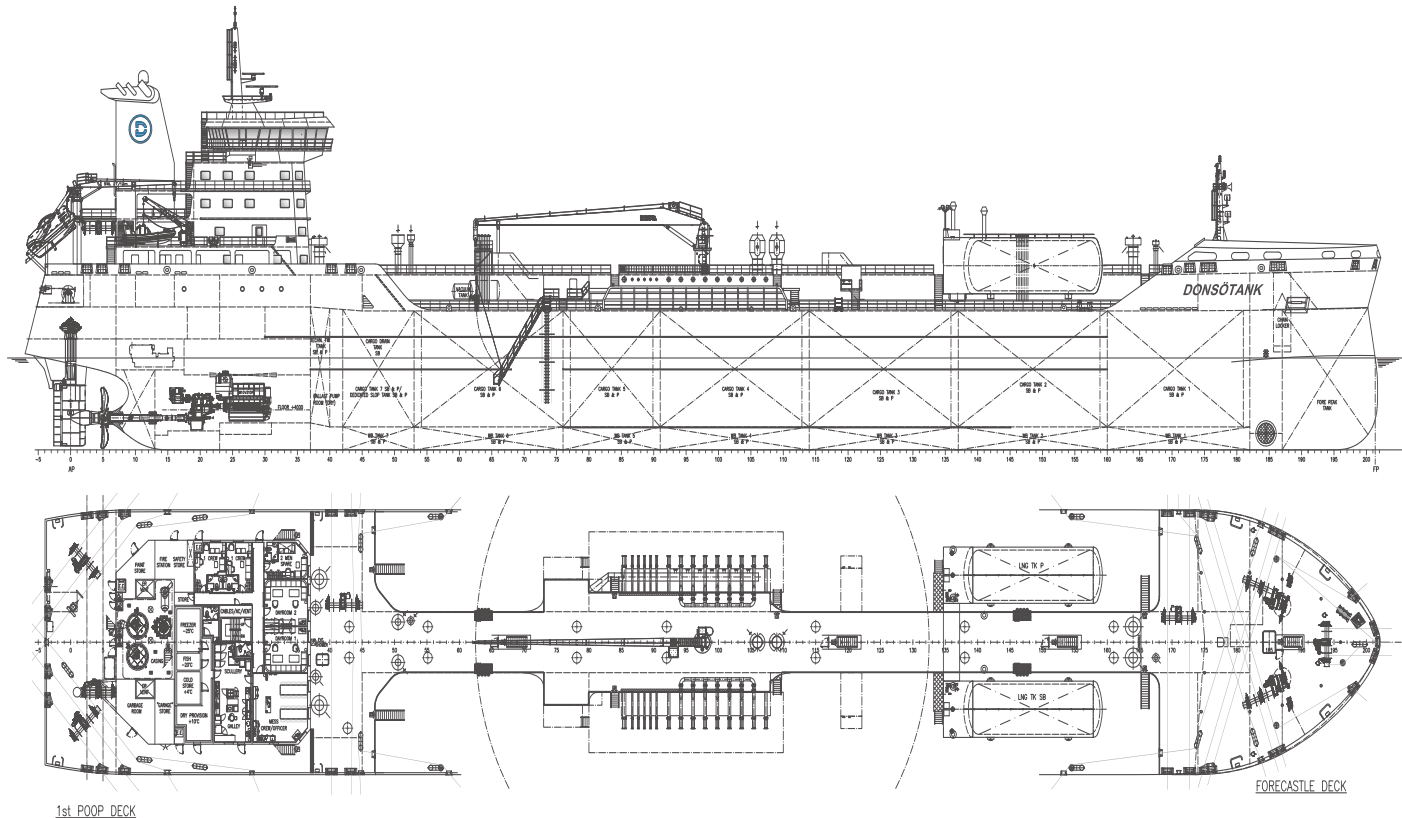
The propulsion system consists of one four stroke medium speed diesel engine directly coupled via a gear to the controllable pitch propeller. Main engine and auxiliary engines connected to SCR NO<sub>x</sub> cleaning for TIER III. SO<sub>x</sub> compliance regulation is achieved by use of LSFO or MGO fuel.

The ship is designed for Finnish/Swedish ice class, ICE +1A.

## MAIN FIGURES

Cargo cubic capacity, incl sloptanks (100%)	
Deadweight at design/ scantling draught	22 000 / 25 300 tonnes
Loading rate	1 800 m <sup>3</sup> /hr,
Discharge rate	2 600 m <sup>3</sup> /h

Economical service speed 13,5 knots at design draught 86% MCR with 15% sea margin and shaft generator output 250kW, FOC LNG 15,0 ton/day and FOC MGO 17,8 ton/day.



## MAIN PARTICULARS

Length over all	167,30 m	Main engine	Four strok, DF engine
Length between PP	161,10 m		5500 kW (MCR) at 750 rpm
Breadth mld	26,50 m	Aux engines	2 x 1 480 kW
Depth mld	13,90 m	Shaft generator	1500 kW (PTO)
Draught design	9,20 m	Boilers:1x oil fired,1x DF fired, 1x exhaust gas, 1x cat	
Draught scantling	10,00 m	Bow thruster	1200 kW
Deadweight at design	22 000 tonnes	Cargo pumps deepwell	14 x 330 m <sup>3</sup> /h
Deadweight at scantling draught	25 300 tonnes		Loading 1800 m <sup>3</sup> /h
Cargo capacity	28 000 m <sup>3</sup>		Discharge 2600m <sup>3</sup> /h
FO tanks	400+150 m <sup>3</sup>	Ballast pumps	2 x 700 m <sup>3</sup> /h
LNG tanks	2x300 m <sup>3</sup>	Nitrogen system	N2 generator
Urea tanks	43 m <sup>3</sup>	Gross tonnage	18 350 tonnes
Technical FW tanks	450 m <sup>3</sup>	Net tonnage	6585 tonnes
Domestic FW tanks	120 m <sup>3</sup>	EEDI	4,5
Water ballast	1075 m <sup>3</sup>	Accommodation	21 pers
		Ice class	+1A

## CLASS

DNV-GL , + 1A1 Tanker for Oil Chemical, ESP, ICE (1A), CSR, EO, HL(1,54), TMON, BIS, NAUT(OC), CLEAN (Tier III), Recyclable, INERT, VCS(2), RP(1,22), BWM(T), COW, SPM, LCS, Gas fuelled.