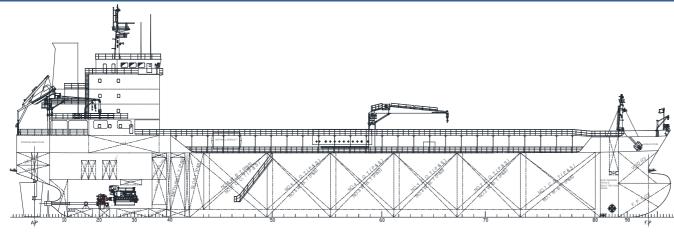
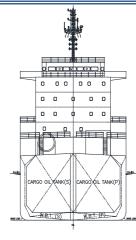


METHANOL Fueled 13K Class Chemical Tanker

친홤경선박설계기술사업단





MAIN PARTICULARS

Length overall	abt.	129.9	m
• Length between perpendiculars	6	122.0	m
Breadth		21.0	m
• Depth		11.8	m
Design draft (Td)		8.5	5m
Scantling draft (Ts)		8.5	5m
Complement		21+6	S P

DEADWEIGHT

• Deadweight on Td/Ts 13,000 mt

SPEED

Speed at 8.55 m (with 15% S.M.)
 13.0 kts

TANK CAPACITIES (100%)

Cargo Capacity	abt.	14,000 m ³
Ballast Water	abt.	5,300 m ³
Marine Gas Oil	abt.	190 m ³
• Fresh Water	abt.	150 m ³
Methanol (Tanks in hold)	abt.	490 m ³

MAIN PROPULSION SYSTEM

Type : Wartsila W6L32
 NMCR : 3,480 kW x 750.0 rpm
 SMCR : 3,000 kW x 125.9 rpm
 NCR : 2,700 kW x 121.6 rpm
 NOx reduction device : EGR

FUEL CONSUMPTION (Methanol)

• D.F.C. at NCR abt. 21.9 mt/day (L.C.V.= 19,900 kJ/kg)

Cruising range abt. 5,400 N.M.

FUEL CONSUMPTION (MGO)

• D.F.O.C. at NCR abt. 11.8 mt/day (L.C.V.= 42,700 kJ/kg)

Cruising range abt. 4,100 N.M.

WATER BALLAST SYSTEM

• Ballast pumps : 400 m³/h x 2 sets, Submerged type

• BWTS: 800 m³/h, UV + Filter type

CARGO SYSTEM

• Cargo segregation : Seven(7)

• Cargo pumps: 300 m³/h x 12 sets, Submerged type

• Slop pumps: 150 m³/h x 2 sets, Submerged type

DECK MACHINERY

• High pressure electro-hydraulic type

2 combined windlass / winch

2 mooring winches

POWER SUPPLY

Main Generator : 900 kW x 2 sets
 Emergency Generator : 120 kW x 1 set

NAVIGATION AIDS

- · Gyrocompass with auto pilot
- Radar
- Magnetic compass
- Navigator / VDR / AIS
- ECDIS with conning display