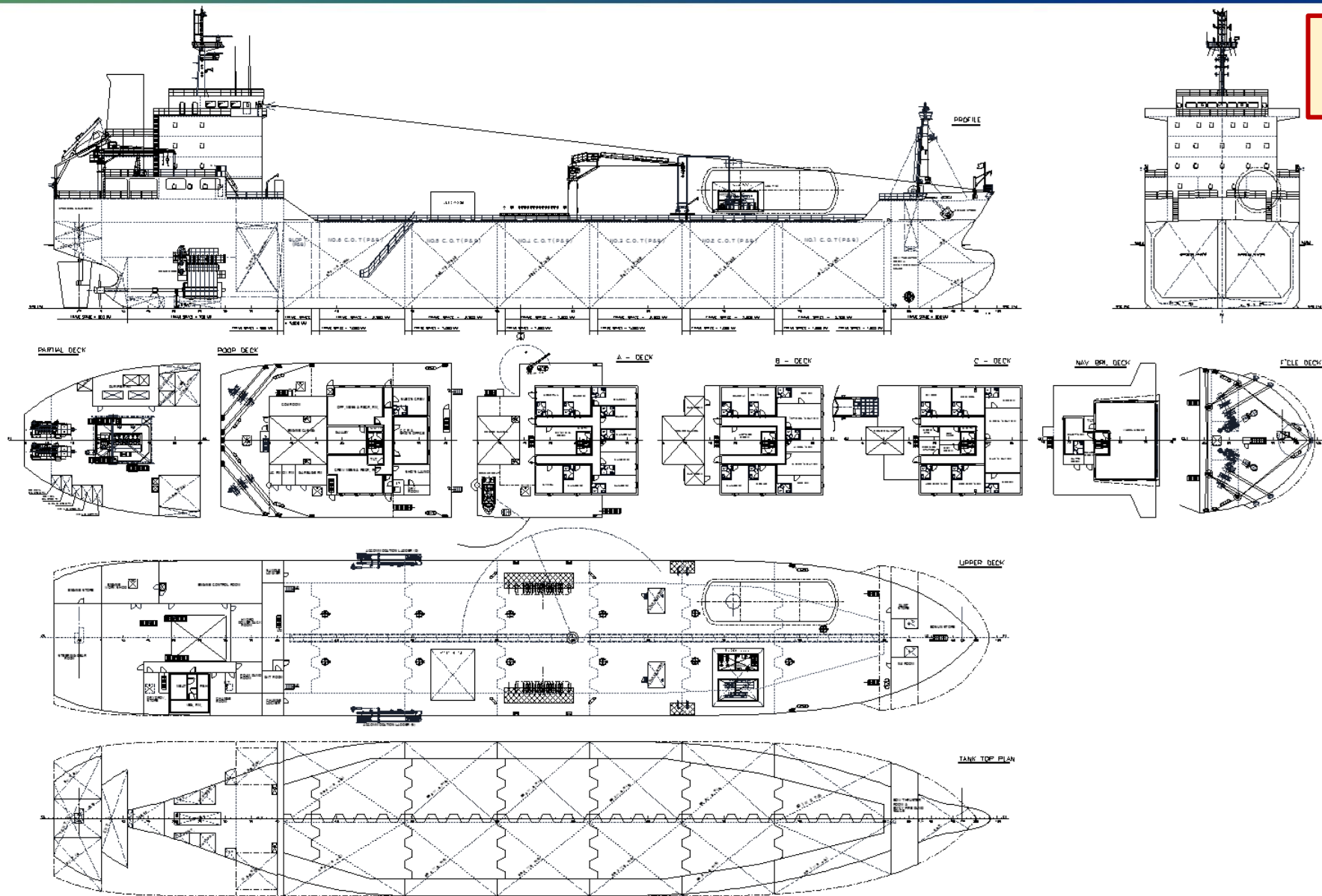


# (모선) GENERAL ARRANGEMENT (LNG Fueled)

LNG Fueled 13k Class Chemical Tanker

중형선박설계사업단  
(2021 표준선 개발)



# PRINCIPAL PARTICULARS (Methanol Fueled)

**2023 표준선 개발  
( Preliminary )**

Item	2021 표준선 (LNG)	2023 표준선 (MeOH)	Alt-1 (4-Stroke)	비 고
L.O.A./ L.B.P [m]	128.0 / 120.0	128.0 / 120.9 (+0.9)	←	A.P. 후방으로 0.9m 이동
Breadth [m]	21.0	←	←	
Depth [m]	11.7	←	←	
Design/Scantling Draft [m]	8.7	←	←	
Normal Ballast Cond. [m]	4.88 / 5.67 (-0.79) 4.99 / 5.79 (-0.80)	4.58 / 5.98 (-1.4) 4.75 / 5.95 (-1.2)	←	LNG Tank 삭제로 선미 trim 증가분 고려
Service Speed [knots]	13.5	←	←	
Cargo Capacity [m³]	14,000	abt. 13,800	←	Slop Tank 용량 축소 및
Deadweight at Ts [ton]	13,000	←	←	Methanol Tank 용량 확보
Main Engine	MAN E&S 6S35ME-C9.7-GI (LNG)	Wartsila W7L32 (4-Stroke) (MeOH)	Himsen OOO (MeOH)	Man-ES 5G45ME-C9.7 (2-Stroke, 개발중)
Propeller Dia./ R. Gear Ratio	4.5m (FPP) / -	abt. 4.9m (CPP) / R 5.77	abt. 4.9m (CPP) / R__	Abt. 5.5 m (FPP) / -
NMCR Power [kW x rpm]	5,220 x 167	4,060 x 750		6,950 x 111
SMCR Power [kW x rpm]	4,080 x 160	4,060 x 130		4,950 x 105
NCR Power [kW x rpm]	3,264 x 148.5 (80%)	abt. 3,360 x 122.1 (82.8%)		abt. 3,200 x 90.8 (65%)
D.F.O.C (Gas mode) [MT/day]	Appx. 9.9	?	?	
D.F.O.C (Oil mode) [MT/day]	Appx. 12.6	?	?	
M/E Lmin. [mm]	4,692	5,745 (+1,053)		5,638 (+946)
Cruising Range [N MI]	5,000	4,000 ~ 5,000		

# GENERAL ARRANGEMENT (Methanol Fueled)

2023 표준선 개발  
(Stern Profile 조정)

