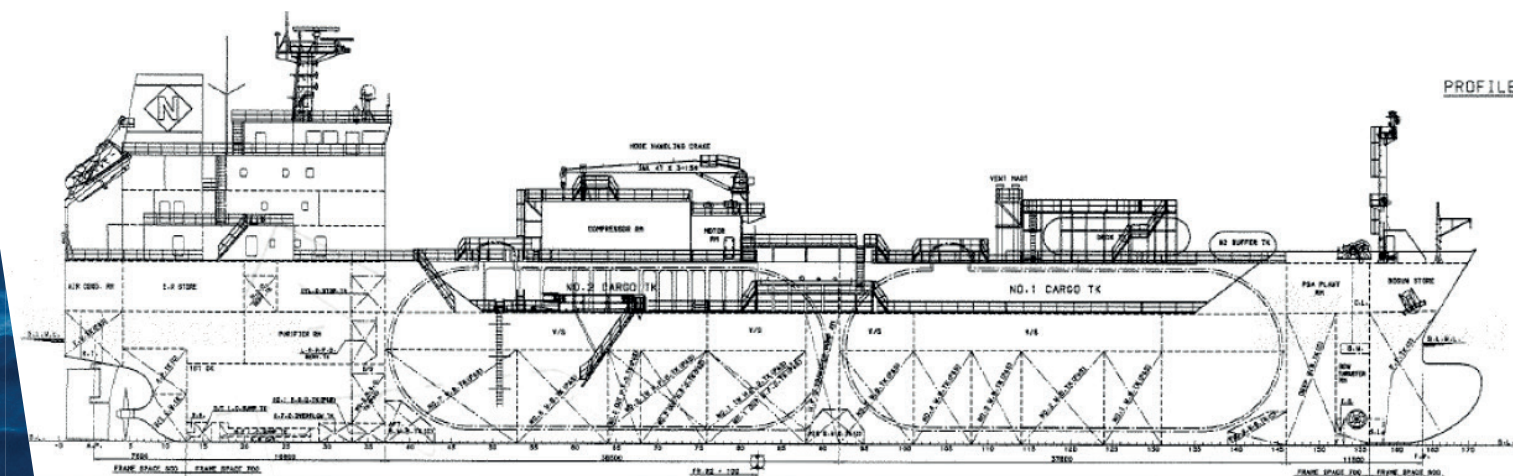


GAZ UNITED

GENERAL CHARACTERISTICS



GENERAL CHARACTERISTICS

Owners:	MASTERGAZ SHIPPING & TRADING CO., S.A.
Built:	STX Offshore & Shipbuilding Co., Ltd. Busan, S. Korea
Flag:	PANAMANIAN
Class:	DNV
Call Sign:	3FVH2
GRT/NRT:	
International:	9,142 / 2,743
Suez:	10,289.78 / 8,031.37
Panama:	31,524.6 / 9.213.8
IMO:	9511650
USCG:	YES
RINA:	N/A
MOT:	YES
LOA:	120.00 m
LBP:	112.40 m
Breadth Moulded:	19.80 m
Depth Moulded:	11.20 m
DWT, Summer:	10,314 mtons
Draft, Summer:	8.8 m
Draft, Propane:	8.1 m
Main Engine:	Vertical 2-cycle, Cross Head type, Diesel Engine STX MAN B&W 8S53MC (Mark 7)
Maximum Power:	5,920 kw at 173 rpm
Fuel Grade:	ISO 8217:2005 RMG380
Consumption/day:	26 tons
Speed (Average):	15.5 knots
Auxiliaries:	Vertical 4-cycle, Single Acting, Trunk Piston type Diesel Engine, STX MAN HOLEBY 7L16/24
Power:	730 kw x 1,200 rpm
Total Available:	2,190 kw
Grade/Consumption:	ISO 8217:2005 RMG380 / 3.0 tons/day
Bunker Capacity:	IFO: 980 m³, MDO: 130 m³ (98%)

Particulars herein believed to be correct but not guaranteed

Date: 05/12/2016

CARGO PLANT AND HANDLING EQUIPMENT

MARVS:	5.8 bar. G
Min.Temperature:	-48°C
Max.Specific Gravity:	0.972
Max.Vacuum:	-0.25 bar. G
Cargo Pumps:	Two (2), Electric Motor Driven Deep Well Vertical, Centrifugal, Multi-stage design Hamworthy Kse Svanehoj A/S, 450 m³/hr x 120m
Cargo Compressors:	Two (2), Vertical Two stage Piston, Oil free type, Burckhardt Compression AG, 2K160-2H
Cargo Heater:	Horizontal Shell and Tube, 232 t/hr from -42°C to 0°C at Sea Water Temperature +15°C
Booster Pumps:	2 set horizontal Centrifugal Hamworthy Kse Svanehoj A/S NMB 150C, 250 m³/hr x 120m l.c
Deck Tanks:	91 m³ cylindrical
Inert Gas Plant:	PSA Nitrogen Plant TGE, dew point -50°C, discharge pressure 6.0 bag. G, 750 Nm³/hr
Cargo Vaporizer:	YES
Bow Thruster:	YES, Electric Driven Controllable Pitch Propeller, 450 kw
Cargo Manifolds:	Liquid - Vapour - Vapour - Liquid, Liquid Line 6"/8" ANSI 300lb Vapour line 4"/6" ANSI 300lb

INDICATIVE CAPACITIES OF CARGO TANKS

			BUTANE	PROPANE	AMMONIA	BUTADIENE
TANK No.	CBM 100%	S.G.	0.605	0.582	0.644	0.653
		T°C	-0,5	-42	-33,4	-5
1 P&S	4,551.05		2,698.3	2,595.7	3,041.7	2,912.4
2 P&S	4,550.99		2,695.3	2,595.7	3,041.7	2,912.4
TOTAL	9,102.4		5,396.6 mtns	5,191.4 mtns	6,083.4 mtns	5,824.8 mtns

GAZ UNITED / NAFTOMAR