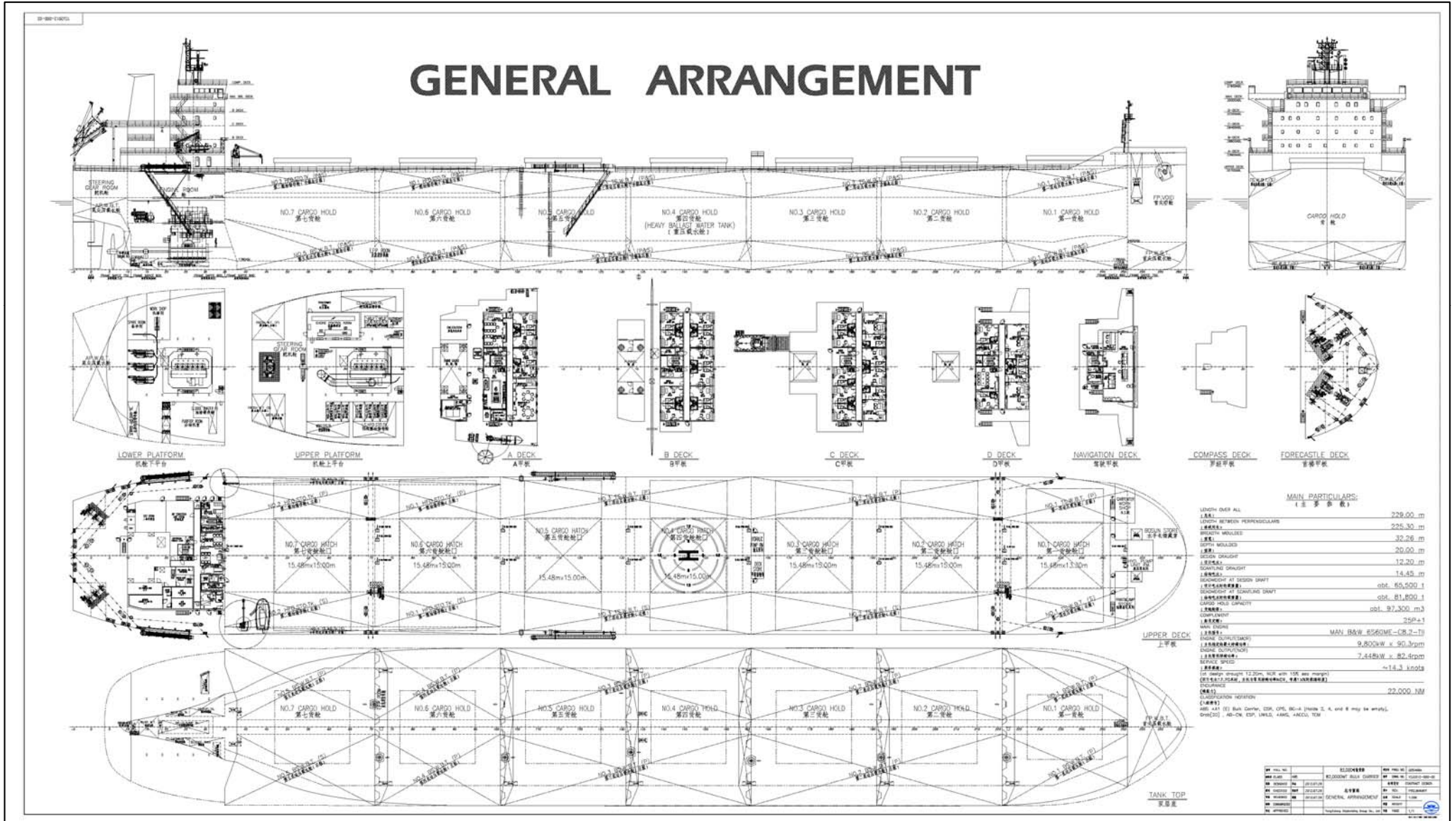




82,000DWT BULK CARRIER




GENERAL ARRANGEMENT





82,000DWT BULK CARRIER

Classification:

ABS  A1 E, Bulk Carrier, CSR, CPS,
 BCA, (holds 2,4, and 6 may be empty), GRAB[20],
 AB-CM, ESP, UWILD
 AMS,  ACCU, TCM,

Flag: Convenient

Dimensions:

Length, o.a.	abt.	229.00m
Length, b.p.		225.30m
Breadth		32.26m
Depth		20.0m
Draught, design		12.20m
Draught, scantling		14.45m

Deadweight:

At design draught	~ 65,500 ton
At scantl. draught	~ 81,800 ton

Speed: (kn)

Draught (m)	12.20
76% SMCR;15% SM	14.30
ME F.O. consumption:	28.4 t/day
Range:	22,000 n.m.

Tonnage Measurement:

Gross tonnage (London)	~ 44,000 GT
Net tonnage (London)	~ 27,200 NT

Cargo holds (grain) Capacity:

abt. 97,300 m³

Ventilation Cargo Holds:

Natural ventilation

Tank Capacities:

HFO	abt	2,300m ³
MDO	abt	130m ³
MGO	abt	150m ³
Fresh water	abt	500m ³
Ballast water	abt	22,100m ³

Complement:

Cabins: 12 Officers
 Cabins: 14 Crews
 Persons: 26 total (incl. 1 pilot)

Hatch Covers: (7 holds)

Type: Side rolling
 Weathertight type hatch covers

Hatch No.1	15.48 m × 13.30 m,
Hatch No.2 & 7	15.48 m × 15.00 m,

Dangerous goods: None

Painting Scheme:

The guaranteed period of paint is five (5) years.

Cargo Gear: None

Provision crane:

One electric Monorail crane (4t)

Main Engine: Fixed Pitch propeller

MAN B&W 6S60ME-C8.2-TII
 MCR: 14,280 kW*105 rpm
 SMCR: 9,800 kW*90.3 rpm
 NCR: 7,448 kW*82.4 rpm

Aux. Diesel Engines:

3 x 600 kW / 750 kVA 900 r/min

Emergency Diesel :

1 x 120 kW / 150 kVA 1800 r/min

Ship's Mains Power: 440 V/60 Hz

Bow thruster: None

Rudder:

Semi-balance type rudder

Steering gear:

1100 kN-m, electro-hydraulic type

Deck machine:

2 Comb.Anchor/Mooring Winches, electro-hydraulic type
 4 Mooring Winches electro-hydraulic 160 kN*15m/min

Oil Purifier:

FO. 2 sets 2200 l/h(380 cSt/ 50°C)
 Lub.Oil 2 sets 1350 l/h(SAE 30)

Boiler:

1 Combined Steam Boiler
 Oil Fired : 1,500kg/h,
 Exh. Gas: 700kg/h

Radio / Navigator Equipment:

1 Navtex receiver
 1 Echo Sounder
 1 Speed Log
 2 DGPS Navigator
 2 Radar with ARPA
 1 Gyro Compass
 1 Autopilot
 1 Magnetic Compass
 2/1 INMARSAT C / F
 1 ECDIS
 1 AIS
 1 VDR
 1 BNWAS

Radio equipment in acc.with the rules to GMDSS A1,A2, A3

Remark: All stated dimensions and quantities are approximately