

HOLDS & HATCHES

All 5 hatch covers and tween decks are operated hydraulically. No.1 hold has single hydraulic folding hatch covers and tweendeck lids, and capable of non sequential opening. No.2 to 5 holds are fitted with twin P&S hydraulic folding hatch covers which are capable of non-sequential opening, (i.e. half hatch and hold can be worked while containers are stowed on the other half), and hydraulic folding type tween deck hatch covers.

No.1 Hatch has no centre-line division, Nos 2 to 5 Hatch Covers consist of Port & Stbd covers, and in hold P&S separated with a full centre-line non-watertight bulkhead.

Clearance of hatches (mtrs):

Hold		Tanktop	Tween Deck
No. 1	Center	5.45	5.94
No. 2	P&S	8.05	5.94
No. 3	P&S	8.05	5.94
No. 4	P&S	8.05	5.94
No. 5	P&S	8.05	5.94

Grain & Bale Capacity:

No.	Grain (cubic m)		Bale (cubic m)	
	TD	LH	TD	LH
No.1	TD 2087.1	LH 1825.1	TD 2027.2	LH 1630.0
	TD 3447.2	LH 4179.2	TD 3276.4	LH 3858.6
No.2	TD 3511.2	LH 4678.4	TD 3324.8	LH 4407.2
	TD 3511.2	LH 4287.6	TD 3324.8	LH 4039.8
No.4	TD 3480.8	LH 3095.4	TD 3309.0	LH 2916.2
	TD 16,037.50 cu. m	LH 18,065.70 cu. m	TD 15,262.20 cu. m	LH 16,851.80 cu. m
Totals:	34,103.2 cu. m		32,114.0 cu. m	

Grain Stowage @ 1.5 cu.m/tonne: 22,735.47 tonnes

Hold & Tween Deck Measurements:

No.	Lower Hold	Tween Deck
No. 1 :	Max length 26.4 m	26.4 m
	Max width 5.0 m at fwd end	6.0 m
	16.6 m at aft end	21.5 m
No. 2 :	Max length 26.4 m	26.4 m
	Max width 5.7m at fwd end	10.5 m P&S
	10.0 m at aft end (P&S)	11.8 m P&S
No. 3 :	Max length 26.6 m	26.6 m
	Max width 10.00 m at fwd end	11.8 m P&S
	10.7 m at aft end (P&S)	11.8 m P&S
No. 4 :	Max length 24.4 m	26.6 m
	Max width 10.7 m at fwd end	11.8 m P&S
	10.7 m at aft end (P&S)	11.8 m P&S
No. 5 :	Max length 23.5 m	26.4 m
	Max width 8.4 m at fwd end	11.8 m P&S
	5.7 m at aft end (P&S)	11.5 m P&S

Clear Deck Spaces:

Hold	Tank Top		Tween Deck		Weather Deck	
	Area m ²	t/m ²	Area m ²	t/m ²	Area m ²	t/m ²
No. 1	285	18	360	5	230	2
No. 2	2 x 200	18	2 x 360	5	416	2
No. 3	2 x 278	18	2 x 315	5	416	2
No. 4	2 x 257	18	2 x 315	5	416	2
No. 5	2 x 160	18	2 x 315	5	416	2

All accesses AWWF approved.

SPEED AND CONSUMPTION

Main engine uses MFO 380cst at 50C to ISO 8217 RMG 35 basis operating draft of 10.588m, max. Beaufort 3, sea state 3.

Speed (knots)	18.5
Consumption MT/day	48.0

Diesel Generators: MFO 380 cst at 50C to ISO 8217 RMG.

In port, idle	: 2.0 MT/day
At sea	: 2.3 MT/day
All cranes working	: 3.5 MT/day
50 reefers	: 1.5 MT/day (additional)
100 reefers	: 3.0 MT/day (additional)
150 reefers	: 4.5 MT/day (additional)

Boiler consumption (MFO 380 CST, same as main engine)

In port	: 1.5 MT/day
At sea	: Nil

CARGO HANDLING EQUIPMENT

Cargo Gear: Six centreline mounted Electro-Hydraulic Deck Cranes; No 3 cranes are capable of "Gemini" twin operation.

No 1 Crane; SWL 26t at 4.5 to 22m
No 2 Crane; SWL 31t at 4.5 to 24m
No 3-1 Crane; SWL 26t at 4.5 to 22m
No 3-2 Crane; SWL 26t at 4.5 to 22m
No 3 Cranes in Gemini operation; SWL 50t at 4.5 to 22m
No 4 Crane; SWL 31t at 4.5 to 24m
No 5 Crane; SWL 20t at 4.0 to 20m

Cargo Lashing Gear

Below Decks :	Twistlocks (Tiger fitting/K-679) for bottom tiers
	Twistlocks (semi-Auto/K-1126-a) for 2nd/3rd Tiers
On Deck :	Twistlocks (p type/k-709-k) for bottom tier
	Twistlocks (semi-Auto/K-1126-a) for 2nd & 3rd Tiers
	Lashing rods and turnbuckles.

MACHINERY

Main Engine: 1 x Kobe-Mitsubishi Diesel 8UEC60LS, reversible, 2-stroke diesel engine driving a fixed pitch 5-bladed propeller. Max. continuous rating 19,200 BHP at 100 RPM and normal output 16,320 BHP at 94.7 RPM.

Diesel Generators: 4 x Yanmar T240L-ET Generators, each 820 kW, 440 V, 60 Hz.

Bow Thruster: 1 x 1060 KW Nakashima driving 4 blade controllable pitch propeller.

COMPLEMENT:

Officers	: 10
Crew	: 18
Berths	: 30
Max LSA capacity	: 30

TANK CAPACITIES

MFO	: 2269.67 cu.m. @ 96%
MDO	: 121.50 cu.m. @ 96%
FW	: 221.73 cu.m. @ 100%
Ballast	: 8666.91 cu.m. @ 100%

GENERAL

All holds protected by CO₂ smothering & water drenching. Dehumidifiers for holds. Forced draft ventilation - minimum 6 air changes/hour. Bridge equipment to a high standard is fitted, including 2 x GPS Navigator and 2 radars. Communication equipment meets with the latest GMDSS requirements. Vessel is linked to Head Office by the 'Amosconnect' system of data communication, allowing efficient information exchange.



THE CHINA NAVIGATION CO. LTD.



M.V. PACIFIC DISCOVERER

1123 TEU Geared Multi-Purpose Containership

BUILT

February 1992
Minami Nippon, Usuki Japan
Hull No. M 618
Ex "Tasman Chief", "Chenan"

CLASS

LR
IMO No. 9007374

PORT OF REGISTRY

Hong Kong
Off. No. HK-0062

DIMENSIONS

Length O.A.	: 184.90m
Length B.P.	: 176.00m
Breadth Mld.	: 27.60m
Depth Mld.	: 14.70m
Summer draft	: 10.588m
Summer Dwt.	: 25,561.00mt
GRT	: 18391
NRT	: 9229
GRT Suez	: 19294.63
Panama	: 19274.41
NRT Suez	: 16572.86
NRT Panama	: 15183.43

CALL SIGN

VRUB2

COMMUNICATIONS

Tel	: No.761113662
Fax	: No.761113663
Min-M, Tel	: No.763625297
Sat-C	: No.447709410 / ANDC
Email	: pacificdiscoverer@marine-onair.net

CONTAINER CAPACITY

Max container intake	: 1123 TEU
Hold	: 476 TEU
Deck	: 647 TEU

Max 40ft Capacity

Below deck	: 156 FEU + 164 TEU
Above deck	: 246 FEU + 167 TEU
Total	: 402 FEU + 331 TEU (1,135 TEU)

Max 20ft Capacity

Below deck	: 476 TEU
Above deck	: 647 TEU
Total	: 1123 TEU

TEU capacity with homogenous load – IMO criteria and approved for dept. condition with 96% bunkers and arrival condition with 15% bunkers.

12 T	14T	16T	18T	20T
1123	1091	1020	935	875

FEU capacity with homogenous load - IMO criteria and approved for dept. condition with 96% bunkers and arrival condition with 15% bunkers.

20 T	30T
400	365

Permissible uniform distributed load:

Weather deck hatch covers	: 2.0 mt per m ²
Tweendeck	: 5.0 mt per m ²
Tank top	: 18.0 mt per m ²

Permissible Container Stack weights (tonnes):

TEU's:	Position	Hatch Cover	Tween Deck	Hold Tank Top
No.1 Hold	48T (Bay 01 & 03)	48T	96T	96T
	72T (Bay 05)	48T	96T	
No.2,3,4,5 Holds	72T	48T	120T	
FEU No.1 Hold	60T	60T	120T	
	No.2,3,4,5 Holds	96T	60T	150T

Poop Deck (Bays 33, 35 & 37) 72T TEU 96T FEU

Tween Deck height : 5.94m

Reefer Cargo : 150 reefer sockets, each rated at 440v, 30A, 60Hz

Reefer points situated : On deck 150 points

Maximum reefer load : 150 TEU

M.V. PACIFIC DISCOVERER

1123 TEU Geared Multi-Purpose Containership

PRINCIPAL DIMENSIONS

LENGTH	(O.A.)	184.90M
LENGTH	(B. P.)	176.00M
BREADTH	(MLD)	27.60M
DEPTH	(MLD)	14.70M
DRAFT	(SUMMER)	10.588M
DEADWEIGHT	(SUMMER)	25,561MT
GRT		18,391
NRT		9,229
MAIN ENGINE	MITSUBISHI	8UEC 6OLS
	M.C.R.	19,200BHP x 100RPM
	N.O.P.	16,320BHP x 94.7RPM
SPEED	(SERVICE)	18.5KTS
COMPLEMENT		30P
CLASS		N K
CONTAINER (NOMINAL)		
	HOLD	476TEU
	DECK	647TEU
	TOTAL	1,123TEU
	(REF - CON. 150TEU)	

