

## MV PAC ADARA

### Description

Single screw, self-sustaining, multi-purpose container vessel, with double skin, box shaped cargo holds and a double tier of flush removable tween decks.

The vessel is non-cellular, but fully fitted for the carriage of palletized natural rubber, steel containers, grain or other cargoes in bulk and other unitized general cargoes in bags, bulk, breakbulk etc. The vessel is fitted for unrestricted service and for unmanned machinery spaces.

### Principal Particulars

Type : Multi-purpose, triple deck, container/bulk carrier  
Owner : ADARA Maritime Limited  
Disp. Owner : Paccship (UK) Ltd.  
Managers : Paccship (UK) Ltd.  
Builders : Zhejiang Shipyard, China  
Hull No. : ZJB02-106  
Built : October 2003  
Class : American Bureau of Shipping  
Notation : +A1(E), Container & Bulk Carrier, SH, +AMS, +ACCU  
Official No. : 389859  
IMO No. : 9272656  
Port of Registry : SINGAPORE  
Call Sign : S6DU4  
MMSI No. : 563 871 000  
Inmarsat-C : 456 387 140 a/b ADRA  
Inmarsat-B : voice – 356 387 150  
: fax – 356 387 150  
: data – 356 387 170  
: telex – 356 387 180 a/b ADRA  
Deadweight : see table below  
TEU : 1,364 TEU (On deck: 760 + In hold: 604)  
FEU : 649 (On deck: 355 + In hold: 294)

### Principal Dimensions

LOA : 178.8m  
LBP : 169.4m  
Beam Moulded : 27.20m  
Depth Moulded : 14.20m  
Summer Draft : 10.427m  
GRT : 20471  
NRT : 10630

Mark	Deadweight	Draft	Displacement	Freeboard
Summer	27,688 mt	10.427m	38,046 mt	3.803m
Tropical	28,601 mt	10.644m	38,958 mt	3.586m
Winter	26,780 mt	10.210m	37,138 mt	4.020m
Tropical (FW)	28,601 mt	10.872m	38,958 mt	3.358m
Summer (FW)	26,709 mt	10.655m	37,092 mt	3.575m
Lightship:	10,358 mt	FWA: 228 mm	TPC at summer draft : 41.95	

Airdraft on summer marks (Even keel) : 36.37 metres

## **Machinery**

Main Engine : B&W 6S50MC  
Engine Power : MCR 8,580kw @ 127 rpm / 11,506 hp  
Generators : 3 Yanmar x 700kw  
Bow Thruster : 1,040kW / 1,395 hp thrust, electrically driven

## **Cargo cranes**

No. 1 : 1 x 40mt SWL @ 26m  
No. 2A : 1 x 45 mt SWL @ 22m, 37 mt @ 28m, 30 mt @ 31m  
No. 2B : 1 x 45 mt SWL @ 22m, 37 mt @ 28m, 30 mt @ 31m  
Cranes 2A & 2B can be Geminied to lift 70mt/85mt @ 28m/22m resp. using a Twin Beam.  
No. 3 : 1 x 40mt SWL @ 26m  
Using a Team Beam which is warehoused at selective ports, loads of upto 120 mt can be lifted using 3 cranes.

Type : Electro-Hydraulic

## **Speed & Consumption**

15.25 knots on about 32.0 mt IFO 380cSt / day (M/E only) basis design draft, 85% MCR and 15% sea Margin

A/E Consumption:

At sea : About 2.8 mt IFO 380cSt / day  
In port : About 3.5 / 2.0 mt IFO 380cSt / day with / without ship's cranes operating  
Minor quantities of MDO are consumed when starting / stopping the diesel generators and when manoeuvring in confined waters / canals / rivers and during mooring operations.

Min. bunker quality specification:

IFO 380 : ISO 8217(E) - RMG 35  
MDO : ISO 8127(E) - DMC

Endurance : About 43 days

Range : About 15,450 nm

## Cargo Holds

Grain Capacity : 37,868 cbm (excluding no.1 cargo hold)

Holds/Hatches : 5 Holds / 9 Hatches

Ventilation : Mechanical

Ventilation rate : 15 air changes/hour

Features : Tween deck pontoon covers removable and inter-changeable for nos. 2 to 5.

: The covers are stowed on deck and in no. 1 cargo hold, converting nos. 2 to 5 cargo holds into single boxed shaped holds.

: Certified for carriage of grain and bulk cargoes with untrimmed ends and in alternate holds.

: Certified for carriage of certain IMDG cargo.

## Hatch Covers

Upper Deck : Hydraulically operated folding pairs (MacGregor)

Tween Decks : Pontoon lift-away type which may be operated with ship's cranes. All pontoon covers, except for Hold No. 1, are interchangeable.

## Hold Dimensions (L X B x D (m))

No.1	UTD	: 11.1 x 9.75 x 5.5
	LTD	: 11.1 x 9.75 x 4.6
	LH	: 11.1 x 9.75 x 4.6
No.2	UTD	: 29.9 x 18.2/23.6 x 4.6
	LTD	: 29.9 x 18.2/23.6 x 6.6
	LH	: 29.9 x 18.2/23.6/13.2 x 4.7
No.3	UTD	: 32.1 x 23.6 x 4.8
	LTD	: 32.1 x 23.6 x 3.6
	LH	: 32.1 x 23.6 x 4.7
No.4	UTD	: 31.2 x 23.6 x 4.8
	LTD	: 31.2 x 23.6 x 3.6
	LH	: 31.2 x 23.6 x 4.7
No.5	UTD	: 28.0 x 23.6 x 4.80
	LTD	: 28.0 x 23.6 x 3.60
	LH	: 15.1 x 13.2 / 23.4 x 4.7 (fwd: frame 58)
	LH	: 21.4 x 8.6 /18.3 x 4.7 (aft: frame 49)

### Hatch Openings (L X B (m))

No.1	: 7.70 x 11.00
No.2 (for'd)	: 12.87 x 8.28
No.2 (aft)	: 12.87 x 10.9
Nos. 3 - 5	: 25.64 x 10.9 (P & S)

### Container intake (Deck + Hold = Total (TEU))

### (Deck + Hold = Total (FEU))

No.1	: 10 + 0 = 10	
No.2	: 106 + 156 = 262	No. 2 : 51 + 76 = 127
No.3	: 208 + 160 = 368	No. 3 : 88 + 80 = 168
No.4	: 208 + 160 = 368	No. 4 : 104 + 80 = 184
No.5	: 224 + 128 = 352	No. 5 : 112 + 58 = 170
Bay 37	: 4 = 4	
Total	: 760 + 604 = 1,364	Total : 355 + 294 = 649

50 reefer containers can be stowed; the vessel's working voltage is 440v..

### Stack Weights

#### Containers (TEU / FEU(mt))

##### On Deck:

No.1	: 30 / 0
No.2	: 40 / 50
Nos.3 to 5	: 40 / 80

##### In Holds:

5 tiers	: 100 / 150
6 tiers	: 120 / 180

#### Uniform loading (mt/psm)

Hatch Covers	: 1.75
Tweendeck	: 3.5 (with 3.5mt FLT)
Lower hold	: 20.0

**Description provided good faith and without guarantee**