



DOLE PACIFIC: Reefer container carrier

Shipbuilder: **Hyundai Mipo Dockyard Ltd.**
 Vessel's name: **Dole Pacific**
 Hull No: **4085**
 Owner/Operator: **Dole Food Company Inc.**
 Country: **USA**
 Designer: **Hyundai Mipo Dockyard Ltd.**
 Country: **Korea**
 Model test establishment used: **MARIN**
 Flag: **Bahamas**
 IMO number: **9703057**
 Total number of sister ships
 already completed (excluding
 ship presented): **0**
 Total number of sister ships still on order: **2**

DOLE PACIFIC was delivered to its owner Dole RMS by Hyundai Mipo Dockyard Co. Ltd.(HMD) in November. The vessel is a 770FEU reefer container carrier which has been designed by HMD and registered under the Bahamas flag with DNV-GL class.

The vessel is an ocean going container carrier with a bulbous bow, transom stern, flush deck with forecastle, open water type stern frame, single rudder, and a single screw propeller driven by a slow speed diesel engine.

Six tiers of 8'6" high containers by 10 rows athwartship in the hold and five tiers of 9'6" high containers by 10 rows athwartship on engine room above deck and three or four tiers of 8'6" or 9'6" high container by 10 rows athwartship on hatch covers to be stowed. There are four tiers of 20ft containers with 8'6" high by eight rows athwartship on No.2F hatch cover to be stowed. Cell guides to be provided for 40ft containers in cargo holds and reefer containers to be loaded in holds and on deck/hatch covers.

An automatic anti-heeling system is fitted to provide heeling compensation during container loading/unloading. Two fresh water main lines (supply and return) are provided in passage ways and branch lines to be led from main line by manual valves to each cargo hold for reefer containers. Two sets of gantry travelling cranes are fitted for cargo handling.

TECHNICAL PARTICULARS

Length oa: 189.98m
 Length bp: 180.7m
 Breadth moulded: 30.4m
 Depth moulded
 To main deck: 17m
 To upper deck: 17m
 Width of double skin
 Side: 2.34m
 Bottom: 1.6m
 Draught
 Scantling: 10.5m
 Design: 9.75m
 Speed, service
 (NCR WITH 15% S.M): 19.5knots
 Cargo capacity
 Refrigerated cargo: 770FEU
 Bunkers (m³)
 Heavy oil: 2,405m³

Diesel oil: 250m³
 Water ballast (m³): 12,279m³
 Classification society and notations: DNV GL
 + 100 A5, CONTAINER SHIP, IW,
 DG, LC, +MC, AUT, CM-PS
 Heel control equipment: Anti-Heeling
 Pump System
 Main engine(s)
 Design: Hyundai-MAN B&W
 Model: 8L70ME-C8.2 (Tier II)
 Manufacturer: Hyundai Heavy
 Industry Co. Ltd.
 Number: 1
 Type of fuel: HFO, MDO, MGO
 Output of each engine: MCR(19,420kW x
 98.3 rpm) NCR(13,632kW x 87.4rpm)
 Propeller(s)
 Material: Ni-Al-Br
 Designer/Manufacturer: Hyundai Heavy
 Industry Co., Ltd.
 Number: 1
 Fixed/Controllable pitch: Fixed pitch
 Diameter: 7,100mm
 Diesel-driven alternators
 Number: 4 (2 sets, BA5693-1
 & BA5693-2)
 Engine make/type: HHI/8H25/33 &
 HHI/8H32/40
 Type of fuel: HFO,
 MDO, MGO
 Output/speed of
 each set: 1,920kW/720rpm &
 4,000kW/720rpm
 Alternator make/type: HHI/HSJ7 713-10P &
 HHI/HSJ7 807-10P
 Output/speed of each set: 1,820kW
 /720rpm & 380kW/720rpm
 Boilers
 Type: Aalborg OS-TCi
 (1set) & Aalborg XS-2V(1 set)
 Type: Auxiliary boiler & exhaust gas boiler
 Make: Alfa Laval
 Output, each boiler: .. (Steam Output) 3,000kg/h
 & 1,300kg/h
 Cargo cranes
 Number: 2
 Make: Liebherr-Werk Nenzing GmbH
 Type: Gantry crane
 Performance: 40t x 9.6m
 Other cranes
 Number: 1
 Make : Dongnam Marine Crane Co., Ltd.
 Type: Monorail Crane(Electric motor driven)
 Tasks: Store & Provision Handling
 Performance: 7 x 4m
 Mooring equipment
 Number: 6 (15 x 15m/min)
 Make: Hatlapa
 Type (electric/hydraulic/steam): Electro-
 hydraulic
 Special lifesaving equipment
 Number of each and capacity: ... 36 Persons
 Make: Fassmer Marland Ltd.

Type: Free-fall type
 Hatch covers
 Design: SMS
 Manufacturer: SMS
 Type (upper deck/other decks): Pontoon
 type
 Containers
 Lengths: 12.192m
 Heights: 2.591m
 Cell guides: Fixed cell guide
 Total FEU capacity: 780FEU
 On deck: 382FEU
 In holds: 398FEU
 Reefer plugs:
 Tiers/rows (maximum)
 On deck: 4 / 10
 In holds: 4 / 10
 Ballast control system
 Make: SCANA
 Type: Hydraulic
 Water ballast treatment system
 Make: Panasia
 Capacity: 500m³/h
 Complement
 Officers: 12
 Crew: 15
 Suez/Repair Crew: 6
 Single/double/other rooms: 22 single rooms / 6
 double rooms / 1 Suez crew room
 Passengers
 Total: 1
 Number of cabins: 1
 Stern appendages/special rudders:
 Bow thruster(s)
 Make: KTE CO.,STD.
 Number: 1
 Output (each): 1,250kW
 Stern thruster(s)
 Make: KTE CO.,STD.
 Number: 1
 Output (each): 1,000kW
 Bridge control system
 Make: DONG-YANG
 Type: Normal type
 Is bridge fitted for one-man operation?No
 Fire detection system
 Make: ILJINAND CO., LTD & Consilium
 Marine AB
 Type: 712_FC
 Fire extinguishing systems
 Cargo holds:
 Make/Type: NK/CO₂
 Engine room:
 Make/Type: NK/CO₂
 Radars
 Number: 3(1 S-Band / 2 X-band)
 Make: JRC
 Model(s): JMR-9282-S / JMR-9225-6X
 Integrated bridge system:No
 Contract date: 10 July 2013
 Launch/float-out date: 27 July 2015
 Delivery date: 10 November 2015

