

# P&O Maritime Logistics MCV

Container & Breakbulk Vessel ~ 200TEU

## Vessel Specifications

Highly manoeuvrable, smart ballasting,

Shallow draft, fuel efficient & multipurpose



## CONTACT

**Commercial Department**  
**P&O Maritime Logistics**

Level 58, Almas Tower, Jumeirah Lakes Towers  
P.O. Box 282800, Dubai, UAE

**Tel** +971 4 440 47 00

**Fax** +971 4 440 47 99

**Email** [commercial@pomaritime.com](mailto:commercial@pomaritime.com)

## I. MAIN PARTICULARS

Vessel	Topaz Lena/ Topaz Neva + Sisters
Type	Container & Breakbulk Deck Carrier Vessel (gearless)
Year built/builder	2017/2018, Vard group, AS Norway
IMO Number	9812195 / 9812200
Flag	Marshall Islands
Class	ABS +1A1, E0, R2, DK (+)

## DIMENSIONS

Length overall	123 m
Breadth moulded	16.5 m
Min/Max draft	2.2 m (in ballast condition) / 3.3 m at SLL
Air draft	14 m at SLL (depending on stack heights)
Depth moulded	5.6 m
Deadweight / Lightship	3656 t / 2330 t
Registered tonnage	GT: 3183 / NT: 955

## II. CARGO STOWAGE INFORMATION CONTAINER INTAKE

	Max 20'	Max 40'
Total (On deck only):	210 TEU	102 FEU+6 TEU

All intakes are always subject to vessel's stability, trim, visibility and permissible stack weights, permissible lashing forces and voyage area regulations. For further details refer to the class approved "Cargo Securing Manual". Pallet Wide and High Cube containers can be fitted. Capacity to be increased; pending class review

## STABILITY

Abt. 210 TEU at 11 MT homogenous (higher weight TBC)

Stability according to IMO (VGC) 45%, scantling draft departure conditions

## REEFER PLUGS (to be installed)

Total (On deck only): 20 (440 volt / 3 phases / 60 cycles / 32 a)

## CARGO HANDLING GEAR

Gearless

## CONTAINER STACK WEIGHTS

On deck: 65 mts per 20' stack 122 mts per 40' stack

For further details on the applicable permissible static and dynamic stack loads and the method of stowing and lashing refer to the class approved "Cargo Securing Manual" indicating various loading cases.

## CONTAINER FITTINGS

On deck for 40' units, alternatively 2 x 20' units can be stowed into each 40' space. The vessel is fitted with OSHA compliant loose lashing material/fittings/stacking cones and semi-automatic twist locks (maximum 70% nominal 20' container intake as per CSM).

## DANGEROUS GOODS

The vessel is equipped for the carriage of dangerous goods always in accordance with IMDG code and in compliance with vessel's "Document of Compliance for the Carriage of Dangerous Goods" and the relevant charter party clause(s). Classes 1-8.

## III. CAPACITIES & PERFORMANCE

### CAPACITIES FOR BREAKBULK CARGO

Deck cargo capacity	2000 – 3000 MT Depending on VCG
Deck strength	Overall 10 MT/m <sup>2</sup> , Points loads on frames up to 280 MT
Deck area (total)	1300 m <sup>2</sup> Approx.
Side decks (port and stbd)	73.8 m x 3.5 m each
Square deck area RoRo	84 m x 8.6 m x 1.2 m
RoRo jetty reach height	min 0.8 m/ max 3.5 m (trim condition, max depends on cargo weight)
Fuel oil/Fresh water	272 m <sup>3</sup> /242 m <sup>3</sup>

### PERFORMANCE

Max speed/Service/Eco	12 knots/ 10 knots/ 9 knots
Endurance	30 days approx. at economic speed
Maneuverability	Turns on own axis

### MACHINERY AND DECK EQUIPMENT

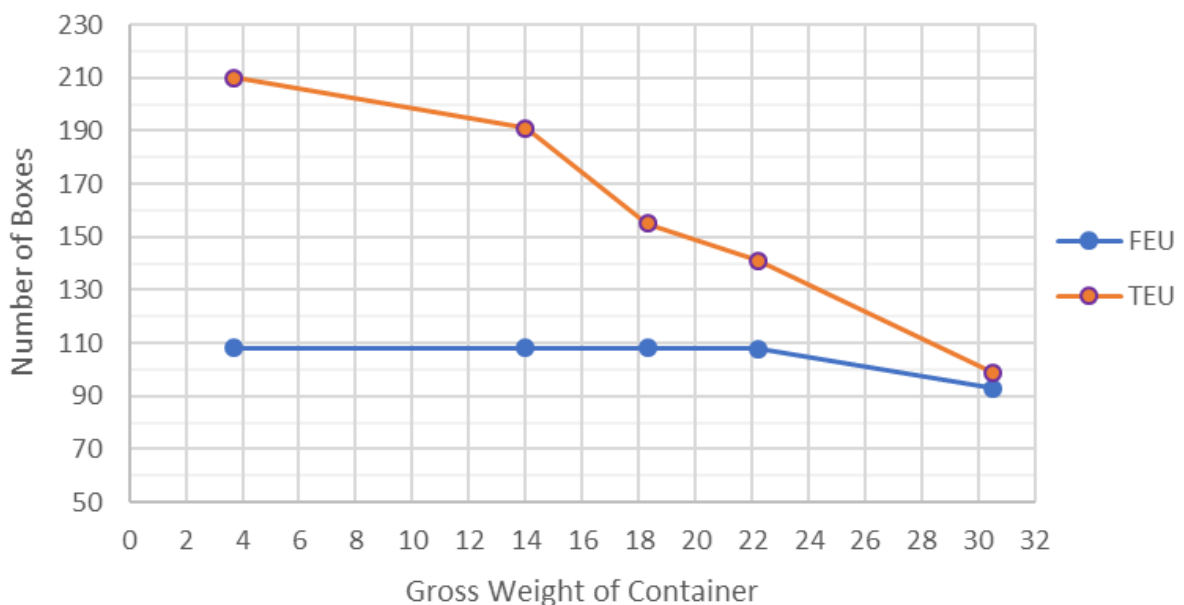
Main propulsion	Diesel-electric. 2 x Schottel rudder propeller, 1200 kW each
Generators	3 x Caterpillar C32, 994 ekW at 1800 rpm, 60 Hz
Bow thrusters	2 x Schottel tunnel thruster type STT 1 CP, 500 kW
Ballast pumps	2 x 1000 m <sup>3</sup> /hr @ 3 bar, 1 x 500 m <sup>3</sup> /hr, make: Allweiler
Provision crane	1,000 kg@15 m radius, Red Rock, RCK80-1-15 (10)
Anchors	2*2376 kg, Spek type (fwd). 1*1980 kg, Spek type (aft)

### ACCOMMODATION & FACILITIES

Total persons 18 (can be readily upgraded to 28 in accordance with MCL requirements)

### VESSEL CONTAINER CAPACITY VS GROSS WEIGHT\*

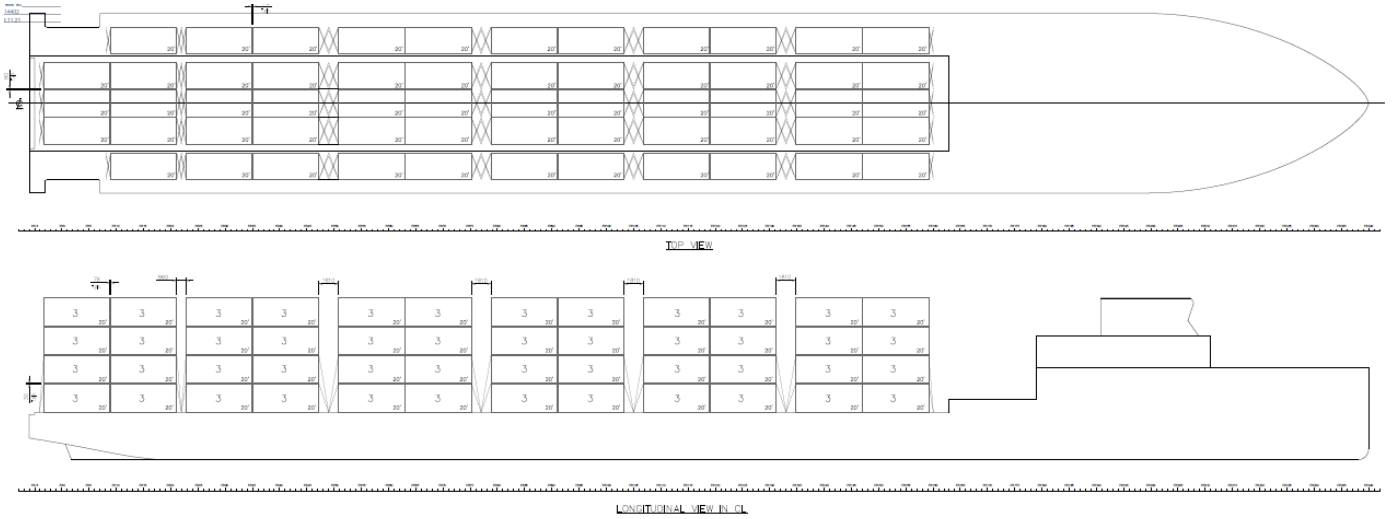
Subject to stability and sea fastening verification, capacity to be increased; pending class review



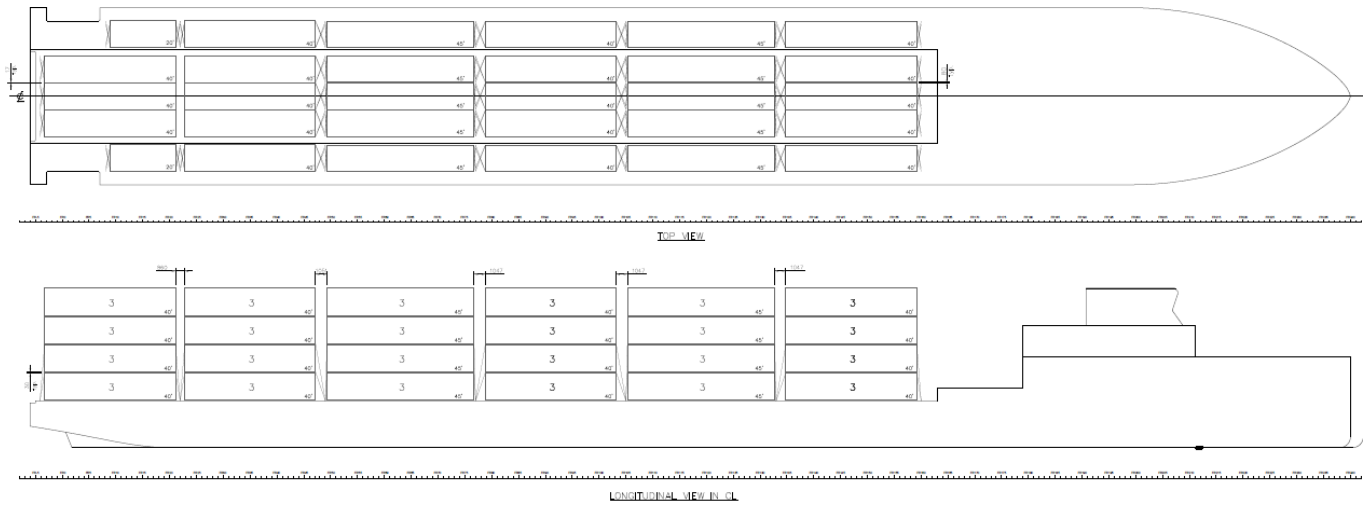
## IV. CONTAINER ARRANGEMENTS

The vessel is equipped for the carriage of 20ft, 40ft and 45ft containers in mixed arrangements. Pallet Wide and High Cube containers can also be accommodated. Below arrangements are indicative and subject to final stowage planning and stability calculations.

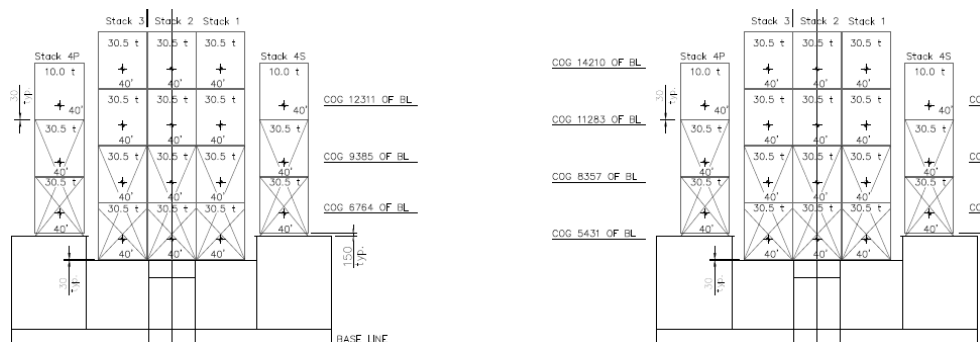
### 20 FT CONTAINER ARRANGEMENT



### 40/45 FT CONTAINER ARRANGEMENT



### TRANSVERSAL VIEW INCLUDING LASHING



All the details are believed to be correct but not guaranteed and owners reserve the right to amend them.