

MV Arctic Sea: ship specifications



Built: 1991 by Cedef Gemi & A.S., Tuzla, Istanbul, Turkey

Owners: Great Lakes Feeder Lines ULC

IMO no.: 8912792

Flag: Barbados

Port of reg.: Bridgetown

Class: gl, ice class 1a, ums

GRT/NT: 3988

Principle dimensions:

DWT: 4.705 tdw

Speed: 12.5 kn

Length over all: 97.80 m

Length betw. perps: 90.50 m

Breadth moulded: 17.33 m

Depth moulded: 7.00 m

Draught: 6.011 m





Hold: 2 holds box types (no. Non-boxed in fwd part)

Grain/Bail: 185,126/180,111 cbf – 5,242/5,100 cbm

Hatches: hatch 1 - 25.633 x 13.010m
hatch 2 - 26.170 x 13.010 macgregor hydr. folding hatch covers

Hold dimensions: hold 1 - 25.88 x 12.49 x 8.17m - non boxed in fwd part,
hold 2 - 25.22 x 12.49 x 8.17m

Tank Top Strength: 8.5 mt/sqm

Gear: 2 x Hagglunds / Sweeden electric hydr. cranes type 1 2522-1 located on the port side. Lifting capacity 25 mt swl at 3 - 22 m outreach. Combinable lifting capacity of 45 mt swl weight of spreader.



Hatch Cover Strength: 1.75 mt/sqm

Dangerous cargo: Vessel is able to carry dangerous goods in holds and on deck in packing and bulk condition according to solas regulation ii-2/54 of solas 74 convention.

Additional information:

- 1 - CO₂ fitted
- 2 - Grain fitted
- 3 - Timber fitted / intake abt 660 cbm lp
- 4 - Hold ventilation - 2 electric fans per hold, natural exhaust 5600 cbm each per hour (10 changes per hour)
- 5 - Reefers capacity:
 - 21 Reefer sockets installed: 380 volts, 50hz
 - 6 sockets close to no.1 crane
 - 9 sockets under no.2 crane
 - 6 sockets in front of accomodation





Containers: Total container capacity – 270 teus (114 in holds & 156 on deck)
Hold can accommodate high cube containers

Containers equipment: Fixed lashing points, slide twist locks.

Stability: 14.00 m homo loading – 203 teus
18.00 m homo loading – 169 teus
20.00 m homo loading – 169 teus

Stack loads on hatchcovers: 45/60 mt stack for teu/feu.

On tanktop: 75/100 mt stack for teu/feu

Intakes always subject to vessel's stability, trim and permissible weights.

Containers Capacity		20' x 8' x 9.5'	40' x 8' x 9.5' + 20'
In Hold	No: 1	54	25 + 4
	No: 2	60	30
Total Containers In Hold		114	55 + 4
On Deck	Hatch No: 1	63	30 + 3
	Hatch No: 2	93	45 + 3
Total Containers On Deck		156	75 + 6
Total Container Capacity		270	130 + 10



