

NEDERLAND REEFER

645,586 cbft / 7,565 sqm / 8,611 pallets



General

Built	December-1991	International	GT	NT
Flag	Bahamas	Panama Canal	13,049.00	5,353.00
Port of Registry	Nassau	Suez Canal		10,877.00
Callsign	C6KD6			10,958.59
IMO/Lloyds nr	9015199		Draft	DWAT
Length over all [m]	158.13	Tropical	10.22	12,935
Beam [m]	24.40	Summer	10.02	12,273
Depth [m]	15.70	Winter	9.81	11,700
Bowthruster(s)	-			
		Permanent Ballast		1,400

Reefer

Holds	4
Hatches	4
Compartments	18
Minimum Deckheight [m]	2.25 (excl local areas)
Allowable weight of forklift including cargo	maximum 7 mt (Forklift to be equipped with minimum 4 non hard rubber airtyres)
Temperature zones	7
Cooling sections	1ABC 2AB 2CDE 3AB 3CDE 4AB 4CDE
Temperature range [dC]	-29/+15
Air circulations [/hr]	30 / 60 / 90
Air renewals [/hr]	2
USDA equipped	Yes, valid until 01-July-2021
Controlled Atmosphere	CA pre-piped
Modified Atmosphere	No equipment on board



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Classification Details

Classification Society	Bureau Veritas (BV)
Main Class symbols	I, +Hull, +Mach
Service Notations	Refrigerated Cargo ship
Navigation Notations	Unrestricted navigation
Additional Class Notations	+AUT-UMS(SS), +ALP(SS)
Machinery	+MACH
Equivalent Finnish/Swedish	
Ice Strengthening	-

Reefer Compartment Capacity Breakdown

	Hold 1		Hold 2		Hold 3		Hold 4		Total	
	Cbft	Sqm	Cbft	Sqm	Cbft	Sqm	Cbft	Sqm	Cbft	Sqm
A	39,492	404.00	45,040	494.00	42,744	481.00	43,741	494.00	171,017	1,873.00
B	29,456	319.00	40,347	480.00	40,075	485.00	41,537	501.00	151,415	1,785.00
C	24,222	242.00	36,544	445.00	38,712	484.00	40,072	505.00	139,550	1,676.00
D			33,605	395.00	39,538	478.00	40,471	475.00	113,614	1,348.00
E			20,662	260.00	26,352	332.00	22,976	291.00	69,990	883.00
Total	93,170	965.00	176,198	2,074.00	187,421	2,260.00	188,797	2,266.00	645,586	7,565.00

Hatch sizes

	Hold 1	Hold 2	Hold 3	Hold 4
	l x b	l x b	l x b	l x b
Deck	13.70 x 10.70	13.70 x 10.70	13.70 x 10.70	13.70 x 10.70
A	13.70 x 10.70	13.70 x 10.70	13.70 x 10.70	13.70 x 10.70
B	13.70 x 5.60	13.70 x 10.50	13.70 x 10.50	13.70 x 10.50
C		13.70 x 10.70	13.70 x 10.70	13.70 x 10.70
D		13.70 x 10.70	13.70 x 10.70	13.70 x 10.70



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Container Carrying Capacity		Max FEU's	Add. TEU's	Max TEU's	Add. FEU's
<u>On Weather Deck and Hatches</u>					
Empty Positions	Standard	170	0	332	0
Max Stackweight	Standard	150	0	300	0
Max Stackweight - Selfsustained	Standard	146	0	292	0
Empty Positions	High Cube	164	0	0	0
Max Stackweight	High Cube	144	0	0	0
Max Stackweight - Selfsustained	High Cube	140	0	0	0
<u>Reefer Hold</u>					
Empty Positions	Standard	70	0	140	0
Max Stackweight	Standard	70	0	140	0
Max Stackweight - Selfsustained	Standard	70	0	140	0
Empty Positions	High Cube	54	0	0	0
Max Stackweight	High Cube	54	0	0	0
Max Stackweight - Selfsustained	High Cube	54	0	0	0

'Max Stackweight' and 'Max Stackweight - Selfsustained' are the number of laden containers that can be loaded basis the maximum stackweight, calculating 26 mt gross for a laden FEU and 14 mt gross for a laden TEU
Above figures are as per vessel's technical layout. Actual container intake is subject to master's approval and depending on stability, stackweight and visibility.

Standard Voyage Container Carrying Capacity

Nr of High Cube (9.5') Reefers 144
of which Selfsustained 140

'Standard Voyage' = voyage from Panama Canal to Rotterdam, with a full cargo of bananas in the holds and departing with full bunker tanks. Containers on this voyage are considered to weigh 26 mt gross.

Reefer Plugs

Nr. of electrical Reefer Plugs 147

General Note Container Carrying Capacity

3rd tier on deck in bay 10 is not selfsustained.

2nd tier on deck in bay 10 is only selfsustained if the vertical height of the spreader is less than 3.5 meters from hook till spreader.

Cargo Gear

2 Cranes x 36.0 mt or 8.0 mt in high speed modus

2 Cranes x 20.0 mt or 1 x 40.0 mt in Twin



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- All speeds are 'about', all consumptions are 'about', basis clean hull, clean propeller and deep (minimum 7 x deepest draft), currentless water/sea with a temperature of maximum 28 degree Celcius.
- Descriptions are given basis maximum Beaufort 4, maximum 2 meters combined swell and wave height.
- Additional MGO may be used for starting/stopping engines and/or manoeuvring and/or in narrow and/or restricted waters and/or in extreme weather conditions.
- All auxiliary consumptions are based on maintaining cargo temperatures, during reduction period higher consumptions may be recorded.
- All descriptions exclude consumption for carried laden reefer containers. Depending on the make and/or type of container, maintenance state of the container, commodity in the container, ambient temperature, use of water cooling, stowage position: as indication an average additional fuel consumption of about 30 kg/container/24hrs when maintaining temperatures to be taken into account.
- Port consumptions are averages for vessel lying alongside berth. Manoeuvring consumptions are excluded.
- Auxiliary consumption up to 23 mt/day with all generators fully loaded.
- All Speeds are in knots and all consumptions are in metric tons per 24 hours.
- International and/or local regulations, such as but not limited to ECA's, may require use of other fuel grades than specified.
- Conditions are based on sailing with even keel, unless stated otherwise. Significant trim, especially large negative trim, may have negative impact on the performance.
- All consumption figures are based on ISO 8217 (latest revision) specification fuels with following minimum caloric values:
 HFO: 40.600 kJ/kg
 MGO 42.700 kJ/kg

Bunker Tank Capacities

	<u>Cbm (100%)</u>	<u>Cbm at max filling level*</u>	<u>mt**</u>
Bunkertanks dedicated for High Sulphur RMG380 (IFO380)	1,467	1,344	1,332
Bunkertanks dedicated for Low Sulphur RMG380 (IFO380)	572	543	538
Total bunker capacity for RMG380 (IFO380)	2,039	1,887	1,870
Bunkertanks dedicated for Low Sulphur DMA (MGO)	95	90	78
Total bunker capacity for DMA (MGO)	95	90	78

*) Vessel shall not mix bunkers from different bunkerings in 1 bunker tank. This may reduce the actual bunker capacity.

**) Capacity in mt serve as indication only. Actual capacity in mt depending on the specific gravity and temperature of the supplied bunkers.

Vessel to be solely supplied with fuels as per ISO 8217:2010 or any subsequent amendment thereof. All supplied fuels shall be suitable to enable main propulsion and auxiliary machinery to operate efficiently and without harmful effects and in line with any national and/or international requirements. Fuels to be mineral based products and shall not contain waste lubricants (ULO), chemicals or any other harmful substances and shall be of homogenous and stable nature. Charterers to buy and arrange bunkers only from qualified suppliers and/or from majors and carry out their own quality checks as deemed necessary for their control.

Charterers warrant that whenever bunkers are ordered for the vessel, the order not to put a lien on the vessel and explicitly request "The Products shall not include waste chemicals, waste lubricants and/or other non-fuel components."

BIMCO Bunker Fuel Sulphur Content clause for Time Charter parties 2004 to apply.

If vessel is redelivered in an ECA area, Charterers warrant that vessel will be redelivered with sufficient bunkers suitable for consumption as per the requirements of the relevant ECA area to reach a port or place where suitable bunkers may be supplied.

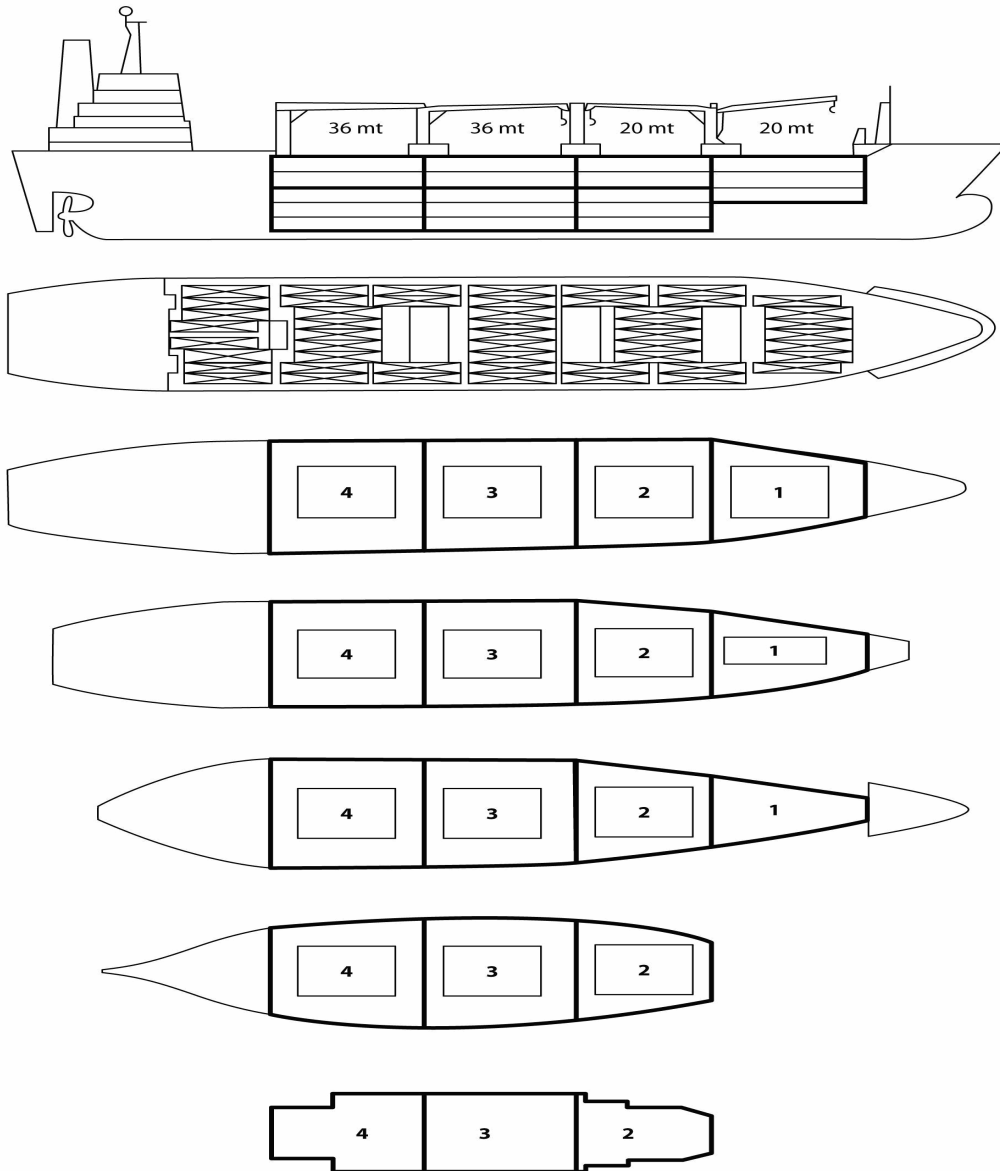
Vessel participates in fuel testing program. Samples are taken during each fuel from each supplied grade. Costs involved to be equally shared between Owners and Charterers. Vessel shall not consume any supplied fuel without having received full fuel analysis report confirming the fuel's quality.

It is Charterers obligation to make sure that fuels with sulphur content higher than 0.5% are either consumed or removed from the vessel at his cost prior 01 January 2020.



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General Remarks

- Pallet Intake figures are indication only. The figures are based on a stowage factor of 1.32 pallet/sqm in reefer holds, full load of reefer containers based on the standard voyage with 20 pallets in each container

