

67 x 16 m REEFER/CONTAINER VESSEL

Type 974 from Havyard Design

Hull N°797 & 798

ROYAL  **ARCTIC**



MAIN CHARACTERISTICS

Length o.a.:	67,00 m
Length p.p.:	61,20 m
Breadth:	16,00 m
Depth to tween deck:	4,30/5,40 m
Depth to main deck:	7,30/7,60 m
Depth to shelter deck:	9,90/10,60 m
Design draft:	4,00 m
Max draft, aprox.:	5,70 m
Scantling draft:	5,80 m
Min draft in ice:	3,75 m
Max draft in ice: 5,00 m	
Framing distance:	0,80 m

Gross tonnage, aprox.:	2300 GT
Crew:	14 persons
Speed, aprox.:	11/12 knots

4 off cargo holds:	2.300 m ³ total capacity and with individual temperature zones between -27°C and +4C
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MACHINERY

Main Engine	1.900 bkW 900 rpm
CPP propeller	D2400 mm Stainless steel hub and blades
Forward Tunnel Thruster:	CPP 400 kW
Aft Tunnel Thruster:	CPP 400 kW
Generator sets:	2 x 400 ekW 1800 rpm
Emergency generator:	1 x 250 ekW 1800 rpm
Shaft alternator PTI/PTO:	1 x 1.000 ekW 1800 rpm

CLASSIFICATION

Class:	DNVGL
Notation:	+1A, E0, GENERAL DRY CARGO SHIP, CONTAINER SHIP, DG(P), T-MON, BWM(T), PC7, BIS, LCS, RM (-27°C/+15°C SEA) Class notation CLEAN

Vessel to be built according the International Code for Ships operating in polar waters (Polar Code) as a Category B Ship.

CAPACITIES

Fuel oil, aprox.:	200 m ³
Fresh water, aprox.:	75 m ³
Water ballast, aprox.:	1.250 m ³
Containers in cargo holds:	25 TEU
Containers on main deck:	30 TEU
RA-pallets in cargo holds:	500 pcs
Dead weight , max draft, min:	2.300 ton

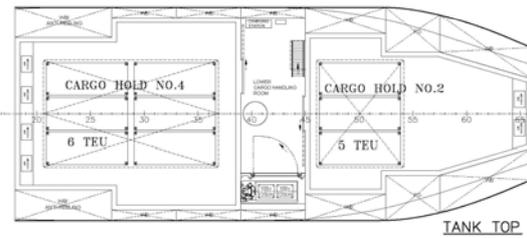
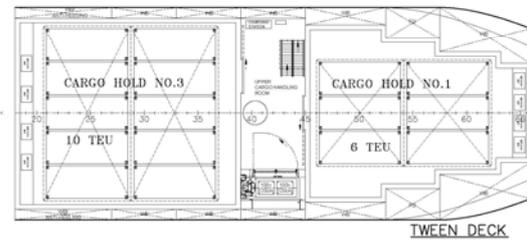
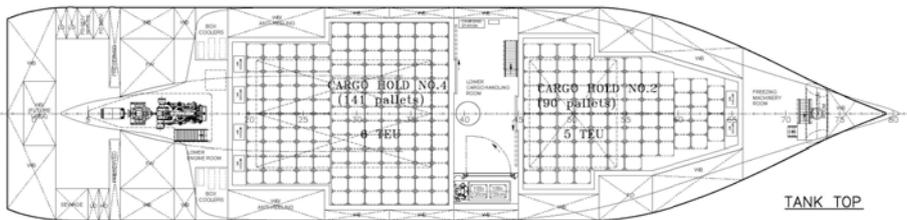
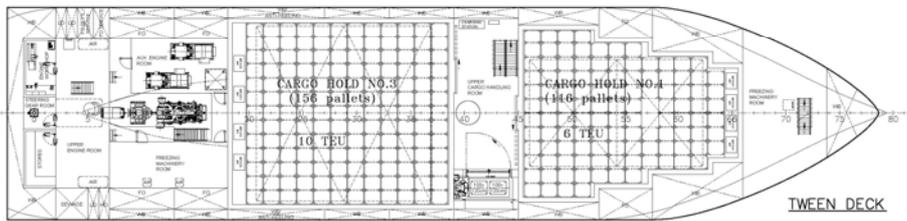
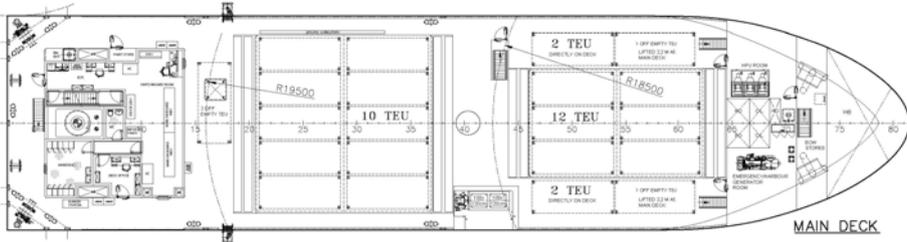
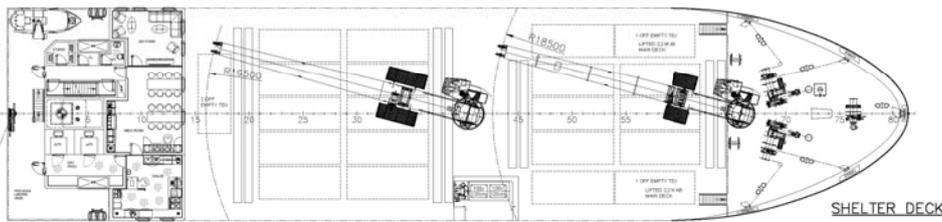
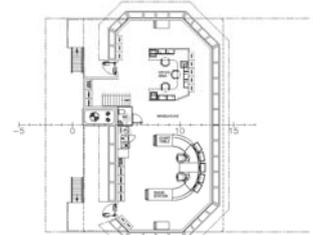
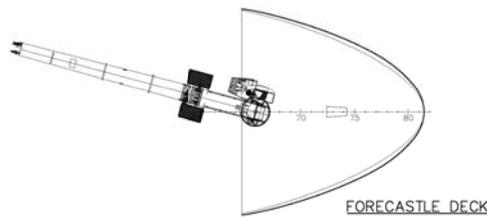
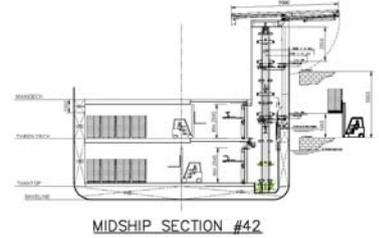
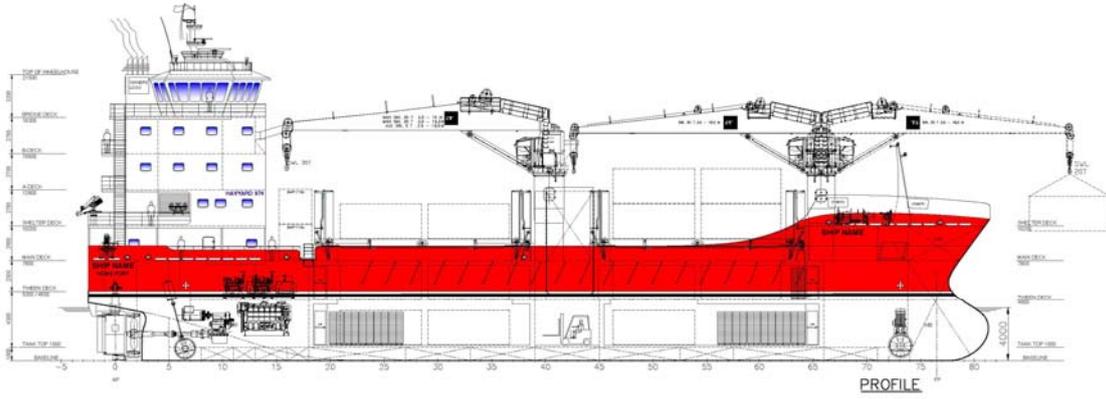
CARGO EQUIPMENT

Deck crane 1	
Lifting capacity:	20 Tm SWL
Max reach, aprox.:	18,5 m
Min. working radius, aprox.:	4,0 m
Slewing range:	360 degree, unlimited

Deck crane 2:	
Lifting capacity:	
At max. reach 19,5 m:	30 Tm SWL
At 15 m outreach:	35 Tm SWL
Max reach, aprox.:	19,5 m
Min. working radius, aprox.:	4,0 m
Slewing range:	360 degree, unlimited

Pallet lifter	4 Tm SWL
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Refrigeration Plant (NH3):	2 compressors 112 kW at -4°C/+35°C each
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MAIN PARTICULARS:

LENGTH OVER ALL	67.0 m
LENGTH BETW. PERPS	61.2 m
BREADTH	16.0 m
DEPTH TO TWEEN DECK	4.65.3 m
DEPTH TO MAIN DECK	7.6 m
DEPTH TO SHELTER DECK	10.2 m
DESIGN DRAUGHT	4.0 m
MAX DRAUGHT	5.7 m
SCANTLING DRAUGHT	5.8 m
MIN DRAUGHT IN ICE	3.75 m
MAX DRAUGHT IN ICE	4.5 m
FRAME SPACING	800 mm
ACCOMMODATION	14 PERSONS
CONTAINERS ON DECK	30
CONTAINERS IN CARGO HOLD	25
PALLETS IN CARGO HOLD	500

CLASS:
DNV-GL - 1A - GENERAL DRY CARGO SHIP -
CONTAINER - PC7 - E0 - D00(F) - TMON -
BWM(T) - BIS - LCS - RM (-27°C/+15°C SEA)

POLAR SHIP CAT B (PST -25°C)
BUILT IN COMPLIANCE TO CLASS NOTATION 'CLEAN',
BUT NOT CLASSIFIED.

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0	Contract Issue	23.03.1999			
REV	CHANGED	DATE/SIGN	REV	CHANGED	DATE/SIGN
DATE	YARD No./PROJECT: HAVYARD 974				
GENERAL ARRANGEMENT					
REEFER / CONTAINER SHIP					
DATE:	14.12.18	CHECKED:	SCALE:	FORMAT:	CUSTOMER:
DRAWN:	KH	PLOTTED:	1:200	A1	
APPROVALS					
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