

# MC-CLASS

KEY IN  
HEAVY  
TRANSPORT



**BIGLIFT**

**GIANT  
MARINE**

**SAFE  
SAILINGS**

MC-CLASS

The Heavy Transport vessels BigLift Barentsz and BigLift Baffin are two identical, state of the art Module Carriers. With their large deck they increase BigLift’s shipping capabilities for ro-ro cargoes up to about 16.000 mt a piece. This expansion of the fleet possibilities will enable BigLift to offer clients even more tailored shipping solutions of ever larger and heavier cargoes, both in large projects or single shipments.

With Finnish Swedish 1A Ice class the two Heavy Transport vessels are specifically designed to operate in remote and inaccessible areas. They have already successfully executed multiple voyages from the tropics to the Arctic. Their slender bow shape and PSMR Class notation (Propulsion and Steering Machinery Redundancy) have proved to be greatly advantageous by ensuring excellent service speed due to low resistance and less wave impacts. This makes for shorter transit times and greater reliability. Furthermore, the bow shape leads to lower accelerations in longitudinal direction and, because of the redundancy in machinery, heading control can be applied to reduce design accelerations.

These vessels can cope with heavy modules and other complex loads through their high deck strength and the uniform grid of bulkheads and web frames, combined with an optimised ballast system. The 125 x 42 metre deck is completely flush, without any air heads or overflow pipes and the high ballast capacity significantly reduces the loading and discharging times of the vessel.

The vessels are prepared for dynamic positioning, which provides unique opportunities for offshore transportation and installation services.

In short, these modern, state of the art Heavy Transport vessels provide to the market shipping services with the highest degree of redundancy and reliability, ensuring safe and timely realisation of any transport challenge within their capabilities.



MC-CLASS



MAIN CHARACTERISTICSG

Lenght overall	173 m
Breadth moulded	42 m
Depth	12 m
Summer draft	6.5 m
Deadweight (max)	20,675 mt

CARGO DECK

Length	125 m
Width	42 m
Area	5,250 m²
Strenght	20 t / m²
100% flush main deck	

LOADING AND DISCHARGE

Stern load design	10,000 mt
Side load design	15,000 mt
Ballast pump capacity	12,000 m³ / h

DYNAMIC POSITIONING

DP2 prepared

COMPLEMENT

Crew	14
Accommodation	32 + 2 pilots
Add. Accommodation	26
Total	60

SPEED AND FUEL

Service speed	13 kn
Maximum speed	15 kn
Endurance	60 days

REGISTRATION

The Netherlands

CLASS

Class	Lloyd’s Register
Ice Class	Finnish Swedish 1A
PSMR Notation	

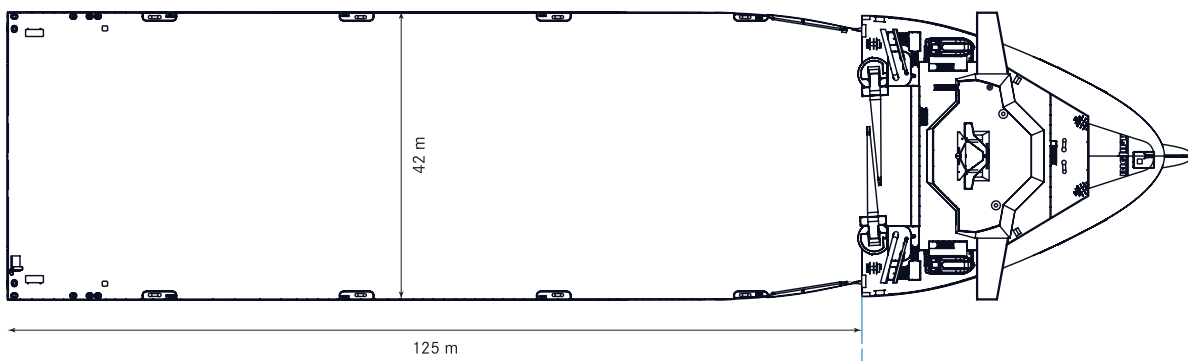


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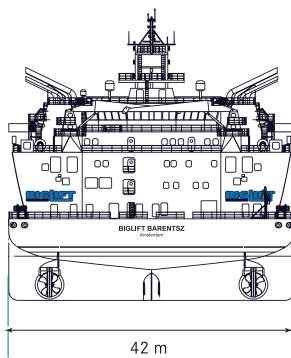
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### Side View



## Weatherdeck



### Cross section



# MC-CLASS

<b>Class</b>	LRS ✕100 A1, Ice class 1A (Finnish/Swedish) Strengthened for heavy cargoes, ballasable to a depth of 1,5 m below cargo deck in Harbour on Shipright ACS(B), LI, Winterization H(-55°), *IWS ✕LMC, PSMR, UMS, CCS, IP, NAV1, IBS, with the descriptive notes: SHIPRIGHT (SCM)		
<b>Principal Dimensions</b>	Length overall	173.00 m	
	Length p.p.	162.80 m	
	Breadth moulded	42.00 m	
	Breadth extreme	42.11 m	
	Depth moulded	12.00 m	
	Draft baseline, design	5.50 m	
	Draft baseline, summer	6.50 m	
	Draft baseline, port	10.50 m	
	Draft baseline, ice	6.10 m	
	Depth cargo deck	12.00 m	
<b>Deadweight</b>	Deadweight summer	20,675 mton	
<b>Tonnage</b>		International	Panama
	GT	23,134	19,272
	NT	6,940	-
<b>Floor space</b>	Cargo deck space	125 x 42 m 5,250 m²	without any obstacles
<b>Allowable loads</b>	Overall deck load capacity	20 t/m²	
<b>Main engine</b>	Main generator	2 x Wärtsilä 6L32	Rated output 2 x 2,880 kW
		2 x Wärtsilä 8L32	Rated output 2 x 3,840 kW
	Aux. generator	Caterpillar C32Acert	Rated output 994 kW
	Emerg. generator	Caterpillar C18Acert	Rated output 601 kW
<b>Propulsion (diesel-electric)</b>	Main propellers	2 x Wärtsilä 4E 1095	Nozzled CPP with rudder
	Propulsion motors	2 x Indar ACP-710-L/6	2 x 5,000 kW
	Service speed at design draft	13.0 knots	
	Maximum speed	15.0 knots	
<b>Thrusters</b>	Bow thrusters	2 x FT225 M-D	2 x 1,500 kW
	Stern thruster	1 x FT175 M-D	1,000 kW
<b>Ballast system</b>	Ballast capacity	39,790 m³	
	Ballast pump capacity	4 x 3,000 m³/h	
	Ballast/bilge pump	750 m³/h	
<b>Anchor and mooring equipment</b>	Anchor weight / type	2 x 14.1 mt	HHP type D'Hone
	Winch Forecastle deck	2 x double drum	/ SWL 200 kN
	Winch Accomodation deck	2 x single drum	/ SWL 200 kN
	Winch Mooring deck (stern)	2 x double drum	/ SWL 200 kN
		2 x single drum	/ SWL 200 kN

## MC-CLASS

BigLift Barentsz	Amsterdam	The Netherlands	2016
BigLift Baffin	Amsterdam	The Netherlands	2016

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**BIGLIFT**



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