

Baltic Lift – Self-Propelled Crane Barge





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Technical data

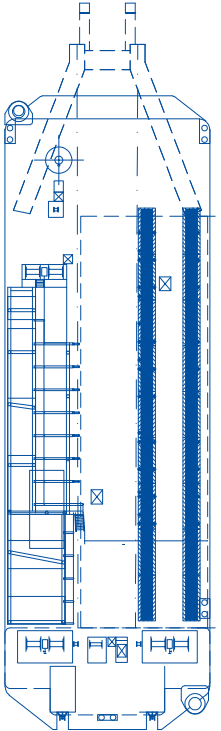
Basic data	Vessel type	Self-Propelled Crane Barge
	Year of built	1974
	Yard	Mützelfeldtwerft Cuxhaven
	Port of registry	Rostock
	Flag	German
	Call sign	DFQC
	IMO-No.	8872796
	Class	DNV-GL (100A5K MC)
Main dimensions	Length o.a.	53,78 m
	Breadth	17,85 m
	Depth	4,55 m
	Draft	min 1,90 m, max 2,40 m
	Gross tonnage	1.086
Main crane	Lift capacity A-frame	max. 200 t
	Outreach	max. 18 m
	Top unit	optional, max. 140 t
	Outreach top unit	max. 28 m
Auxiliary crane	Model	Liebherr HS 843
	Boom length	up to 32 m in stock, extendable to max. 53 m
	Lift capacity	e.g. 23 t at 6,5 m with 32 m boom, see table
Machinery & propulsion	Main engine	2 x Deutz SBF 12 M 716
	Power	2 x 321 kW
	Propulsion	2 x 360° Schottel Rudderpropeller
	Bow thruster	1 x Cone Jet Schottel SKJ 142, 325 kW
	Gensets	2 x 580 kVA, 1x 75 kVA 380/220 V, ,50 Hz
Performance	Service speed	4 kn
	Max. speed	6 kn
	Average consumption	Service: 250 l/h
Tank capacities	Fuel oil	24 m ³
	Fresh water	15 m ³
Deck capacity	Free deck space	565 m ²
	Deck strength	up to 10 t/m ²
Accommodation	Cabins	14 (10 x 1 + 1 x 4)
	Office	yes
Equipment	Communication	GMDSS A1, UHF/VHF Radio, GSM /INMARSAT/SAT - Voice and Data, Internet
	Nautical	AIS, ARPA Radar, ECS, RTK DGNSS, Echo Sounder, SAT-TV Raymarine, UKW Sailor 6000 + repeater
	Sewage plant	yes
	Winches	1 x 20 t, 1 x 5 t
	Compressor	t140 m ³ /h, 8 bar, Atlas Copco
	Pumps	3 x 455 m ³ /h, 7 bar
	Work boats	steel boat (7 m), Offshore RIB (6m, 100 hp)
	Dredging equipment	optional
	Offshore dive equipment	optional
	ROV Services	optional
	Anchorage system	Spud-legs
4-point-mooring		optional
Wadden sea		Ship can be grounded for low tide



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Technical drawings

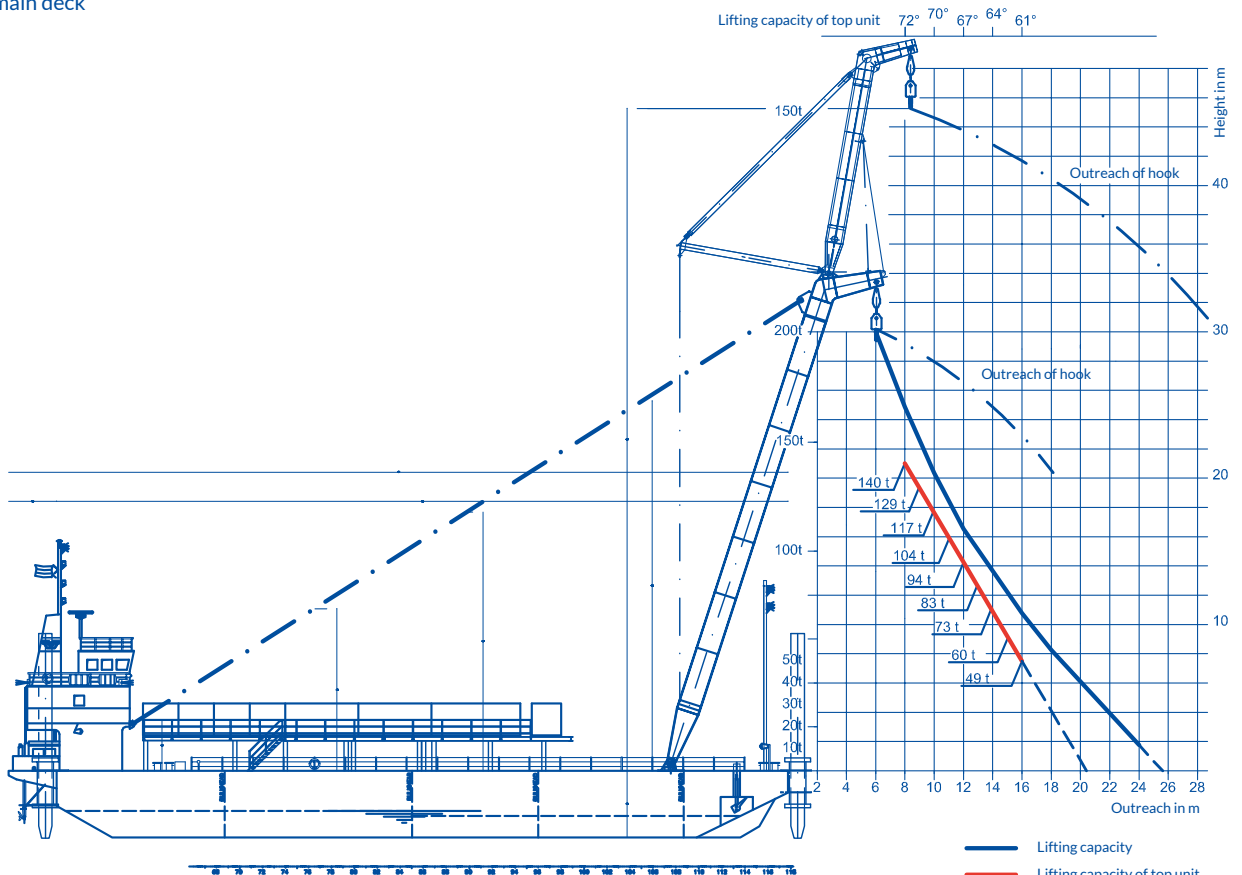
Side view / M 1:200



Lifting capacity of auxiliary crane / Liebherr HS 843

Boom length Outreach	Lifting capacities in tonnes					Ballast: 12.3 t		Source: Liebherr	
	11 m	14 m	17 m	20 m	23 m	29 m	32 m	t	t
3,5 m	60,0								
4,0 m	49,9	45,4							
4,5 m	47,3	43,8							
5,0 m	39,2	39,2	38,6	34,6					
5,5 m	33,4	33,4	33,4	33,3	31,1				
6,0 m	29,1	29,0	29,0	29,0	28,9	25,9			
6,5 m	25,7	25,7	25,6	25,6	25,5	25,2	23,5		
7,0 m	23,0	23,0	22,9	22,9	22,8	22,6	22,6		
7,5 m	20,8	20,8	20,7	20,7	20,6	20,4	20,4		
8,0 m	19,0	19,0	18,9	18,8	18,7	18,6	18,6		
9,0 m	16,1	16,1	16,0	15,9	15,8	15,6	15,7		
10,0 m	13,9	13,9	13,8	13,8	13,6	13,5	13,5		
11,0 m	12,2	12,2	12,1	12,0	12,0	11,8	11,8		
12,0 m		10,9	10,8	10,7	10,6	10,4	10,4		
13,0 m		9,8	9,7	9,6	9,5	9,3	9,3		
14,0 m		8,8	8,7	8,7	8,6	8,4	8,4		
15,0 m			8,0	7,9	7,8	7,6	7,6		
16,0 m			7,3	7,2	7,1	6,9	6,9		
17,0 m			6,7	6,6	6,5	6,3	6,3		
18,0 m				6,1	6,0	5,8	5,8		
19,0 m				5,7	5,6	5,4	5,4		
20,0 m				5,3	5,2	5,0	5,0		
22,0 m					4,5	4,3	4,3		
24,0 m						3,7	3,7		
26,0 m						3,2	3,3		
28,0 m						2,9	2,9		
30,0 m							2,5		
32,0 m							2,2		

Top view / main deck



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