

Ganz Danubius 25/40t slewing floating crane



Type: Slewing floating crane

- Purpose Primary: Bulk cargo handling with grab up to 25t (including the weight of grab)
Secondary: hook operation up to 40t
- Navigation area R3 (restricted area of navigation)
- Class notation KM Ice1 R3 AUT3 EPP, Floating crane

Main machinery and equipment

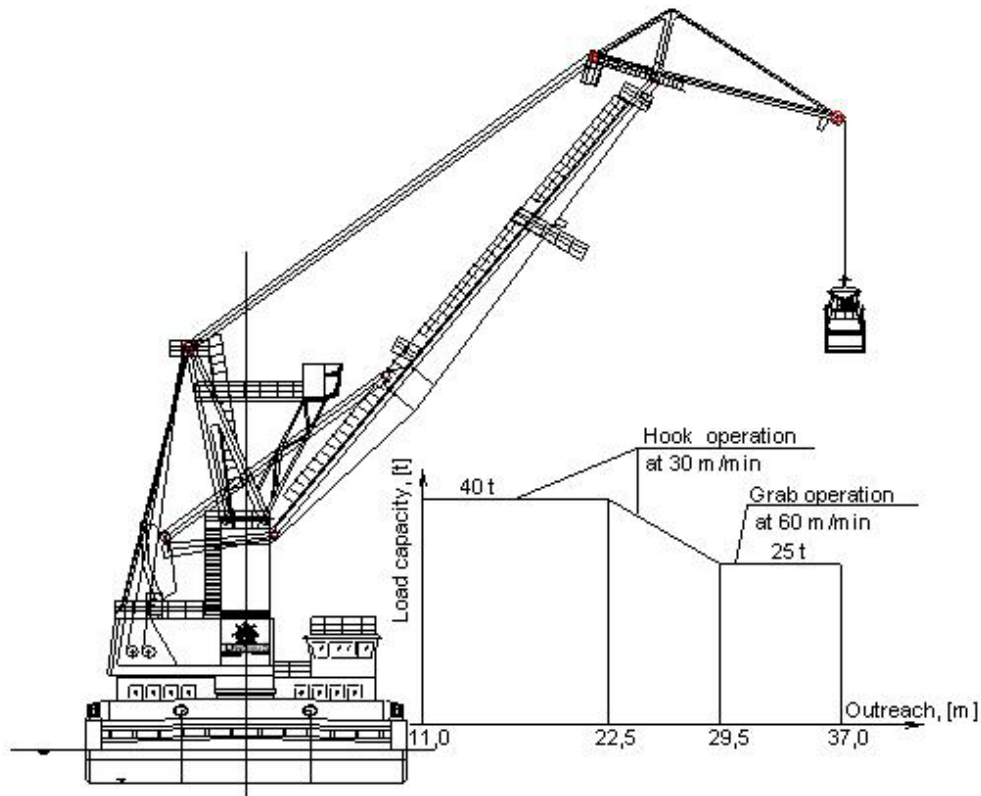
- Main power generators 2x 726 kW, 1500rpm (Guascor)
- Auxiliary genset 1x 100 kW, 1500rpm (Caterpillar)
- Emergency genset 1x 68 kW, 1500rpm (Caterpillar)
- Propulsion 2 x 425kW, Z-thruster, electric driven (ZF)

Kind of operation	Capacity	Jib outreach, transversal, ±2%		Hoisting height ±2%		Speed	Duration	Nominal output
		From axis of rotation	From pontoon edge	Above water level	Beneath water level			
	t	m	m	m	m	m/min	min	kW
Hook	40	22,5	12,25	25,0	15,0	30/90	-	2x220
Grabbing	25	37	26,75	25,0	15,0	60/90	-	2x220
Slewing				n x 360°		1,0 1/ min	1,0	2x75
Luffing				From inner to outer position		30	~1,0	1x75
Self-erection				With experienced crew		-	2-3 hrs.	-

Electric power transmission: 3x400 V; 50 Hz



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Pontoon

Construction:	Fully welded steel structure
Length max:	$L_{max} = 40,32$ m
Length between perpendiculars:	$L_{pp} = 40,00$ m
Breadth extreme:	$B_{max} = 20,32$ m
Depth:	$D = 4,00$ m
Max. mean draught:	$T_k = 2,10$ m
Speed:	6 knots
Crew:	20 persons

Crane

Type	360° slewing, Lemniscate jib system
Construction	Fully welded box girder
	Capable to load and unload Panamax size vessels
Grab operation	25t at 37m
Hook operation	40t at 22,5 m
Nominal loading performance ($\rho=0,7$)	750 t/h
Crane camera system	View down from jib top, View of blind zone in front of the main jib Monitoring winch house Data storage for 20 days

