



CUTTER SUCTION DREDGER "ILK WATAN" SPECIFICATION

GENERAL

Type	KEHAN CSD650 – 18 m
Basic functions	Harbor maintenance dredging

DREDGING FEATURES

Max. dredging depth	-18 m
Swing width	62.8 m (at max. dredging depth)
Max. mixture capacity	6,000 m ³ /h

DREDGE INSTALLATION

Dredge pump type	Inboard Pump
Diameter suction/discharge pipe	700/600 mm
Max Discharge Distance	3000 m
Cutter type	Crown model (with replaceable alloy teeth)
Cutter power	350 kW
Cutter diameter inner/outer	2,100/2,200 mm

DRIVE INSTALLATION

Dredge pump motor	Cummins QSK60-M
Power	1,641 kW, 1,800 rpm
Auxiliary motor	Cummins KT38-M
Prime power rating	582 kW, 1,800 rpm
Harbour generator set	50 kW, 220/380 V AC, 50 Hz

PRINCIPAL DIMENSIONS

Length Overall	53.00 m
Breadth	9.10 m
Depth	2.75 m
Draught	1.50 m
Standart Dredging Depth	18.00 m
Min. Dredging Depth	1.50 m
Max. Discharge Distance	3000 m
Total weight	362 t

TANK CAPACITIES

Ballast / Void approx. (fore)	2x 22.00	m ³
Ballast / Void approx. (aft)	2x 22.00	m ³
Hydraulic oil main tank	1x 3.00	m ³
Hydraulic oil spud drop tanks	2x 0.25	m ³
Fresh water tank	2x 22.00	m ³
Sewage tank	2x 22.00	m ³
Fuel tank	2x 30.00	m ³

DECK MACHINERY

Ladder winch	Hydraulic, 200 kN, 0-15 m/min, Ø34mmx200m
Side wire winches (2x)	Hydraulic, 200 kN, 0-20 m/min, Ø34mmx200m
Spuds (2x)	Ø 630mm, length 24 m
Spud hosting (2x)	Hydraulic cylinder, stroke 2,5 m
Spud carriage positioning	Hydraulic cylinder, Hydraulic operated
Electric deck crane	Jib Crane, 4t Capacity

ACCOMMODATION

2x4 berth cabins
1x2 berth cabin
Total: 10 men

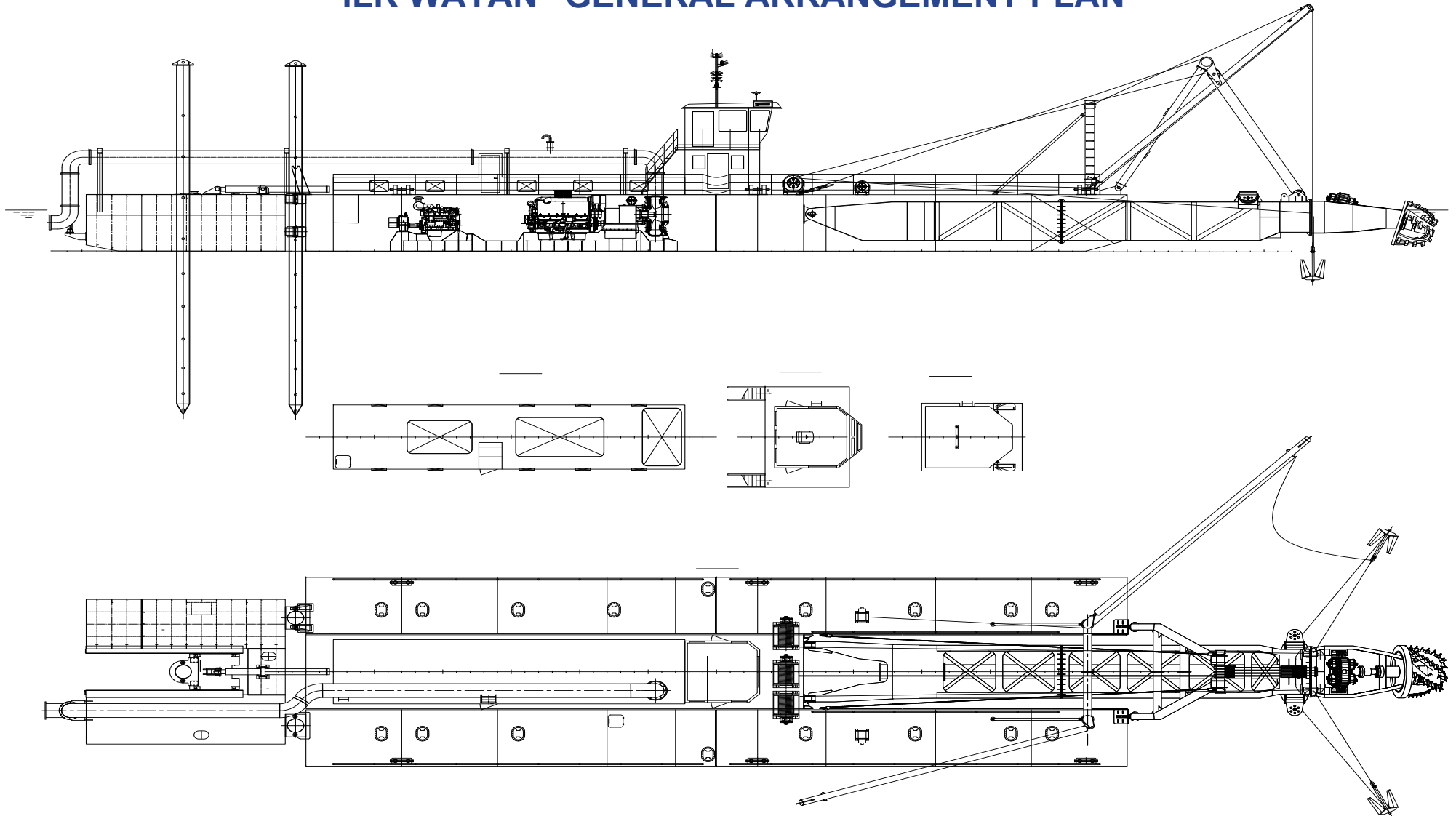
ANCHOR & ANCHOR BOOMS

Anchor weight	1500kg/pc
Anchor amount	2
Anchor boom diameter	355 mm
Anchor boom length	18.6 m
Anchor boom quantity	2 pcs



ILK CONSTRUCTION

"ILK WATAN" GENERAL ARRANGEMENT PLAN



ILK CONSTRUCTION

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