

PIPE LAYER BARGE

pipe laying crane ship



total length	Length Overall (LOA)	172.50m
length between vertical lines	Length Between Perpendicular(LBP)	168.00m
Load waterline length	Length Load line	162.232m
Width	Molded Breadth	35.00m
Depth	Molded Depth	12.50m
Draft	Draft	7.8-8.0m
Operating water depth	Water Depth	350m
gross tons	Gross Tonnage	28533 tons
Net tons	Net Tonnage	8559 tons
Full load displacement	Loaded Displacement	38455.7t
No-load displacement	Light Ship Displacement	19567.2t
Load capacity	Dead Weight	4000 tons
deck loading area	Deck Loading Area	982m ²
deck load	Max.Deck Loading	10t/m ²
fuel	Fuel Oil	3817m ³
freshwater	Fresh Water	1733.6m ³
ballast water	Ballast Water	18291.8m ³
bed	Berth	238

<u>Pipe laying equipment Pipeline Feedliner</u> Applicable pipe			
diameter	Pipe Dia.	4"-60"	
tensioner	<u>Pipe Tensioner</u>	2	150t@40m/min
recoverable winch	<u>A/R Winch</u>	1	300t@40m/min
brand	Brand		IHC SAS

<u>Positioning winches Mooring Winch</u>			
brand	Brand		ZPMC
ability	Capacity	12	900kW/tower 110t@0-42m/min 21t@0-186m/min

<u>work anchor Anchor</u>			
working anchor cable	Anchor Wire rope	12	10t Φ76mmX2500m

<u>workstation Work Station</u>			
brand	Brand	10	5a welding station,2individual NDT inspection/network station, 3coating station.

<u>Automatic welding machine Automatic Welding</u>			
brand	Brand	5	SATURNAX 05 Machine SERIMAX

<u>500T Marine engineering crane 500T Offshore Crane</u>			
brand	Brand		ZPMC
Main hook rotation	Main Hook Revolving		500t@40m 350t@55m 50t@>70m
Vice hook	Aux. Hook Revolving		50t@>70m
small hook	Whip		15t

<u>Pipe transport crane Crane</u>			
quantity	Quantity	2	
brand	Brand		LIEBHERR
wind speed	V-wind		<20m/s
main hook	Main Hook Revolving		50t@28m 25.7t@40m
Vice hook	Aux. Hook Revolving		15t@45m

fire rescue Fire Fighting & Lifesaving Equipment

lifebuoy	Life Buoy	18	
life jacket	Life Jacket	255	
survival suit	Survival suit	255	
life raft	Life Raft	10	4X20P 8X25P
lifeboat	Life Boat	4	4X60P
Emergency position indicator	EPRIB	1	JQE-103 406MHz Satellite
radar transponder	SART	2	TRONSART-20 9200MHz-9500MHz
Fire Pump	Fire-fighting Pump	2	2X130m ³ /h 0.88Mpa 75kW EMC-125ME-C75
Aircraft platform foam pump		1	210m ³ /h 1.2Mpa 160kW
Foam pump for Hill-deck			EMC-200MH-C110

anchoring equipment Mooring Equipment

Windlass	Anchor Winch	2	2X290kN≥9m/min
anchor	Anchor	2	7.5t, AC-14
anchor chain	Anchor Chain	2	AM3 Φ78mm
mooring winch	Mooring Winch	2	2X200kN 15m/min Φ72mm

power station Generator Set

Main generator unit	Main Generator Set	4	2218kW 750r/min, 50Hz,AC690VzH
The main parameter	Main Parameter		MAN/Weichai

diesel engine	Desiel engine	4	2310kW 750r/min 187+5%g/kw-h
dynamo	Generator ABB	4	2320kW 690V 50Hz

emergency generator set Emergency Generator Set

unit	GENSET	1	350kW,50Hz 1500r/min AC 400V
diesel engine	Dissel Engine	1	400kW 1500rpm 205+5%g/kw-h
dynamo	AC Generator	1	350kW 400V 50Hz 1500rpm

air compressor Air Compressor Start the

air compressor	Starting Air compressor	2	82m ³ /h 3.0Mpa 15kW
Working air compressor	Working Air Compressor	2	584m ³ /h 1.0Mpa 75kW
Emergency air compressor	Emergency Air Compressor	1	25m ³ /h 3.0Mpa
Pipe laying air compressor	Pipeline Air Compressor	2	295m ³ /h 13bar
brand	Brand		Atlas

stinger Stinger

designer	Designer		MARIC
form	Type		S-LAY
Pipe laying diameter	Laying Pipeline Dia		4"-60"
stinger length	Stinger Length		79.20m
(two sections)	(2 sections)		
stinger theory	Stinger Theroretical		386.00t
Weight (two sections)	Weight(2 sections)		237.38t
Aframe theory	A-shape Frame		
weight	Weight(2 sections)		
Wire rope diameter	Wire Rope Dia.		Φ56mm
Wire rope length	Wire Rope Length		2X700m

stinger lifting winch

Lifting winch	Lift Winch		2X60T
brand	Brand		ZPMC
Winch rope capacity	Capacity to Hold Wire		700m

Automatic welding equipment Auto Welding Machine

welder	Welding machine	5set	STX05
gas distributor	Gas distributor	1set	
beveling machine	Bevel machine	1set	20"-22"
Depositing machine	Demag	1set	heavy steel
Bevel preheating machine	Preheater	1set	20"-22"
Copper shoe processing lathe	Brass boot lathe	1set	heavy steel
brand	Brand		Serimax

Living Facilities Accommodation Facilities

air conditioner	Air Conditioner	2	2X935KW R314a 30HX285A
heating boiler	Boiler	2	2X4000kg/h 0.7Mpa LSK4-0.7
food ice machine	Refrigerator	4	2X7kW/R404A 2X6.5kW/R404A
water generator	Water Maker	2	2X40m ³ /d GL-SW40/ZS-AZ-001
Bilge oil stains	Bilge purifier	1	ZYFM-0.5 5m ³ /h
Water separation device	Water separation device		
domestic sewage	Sewage treating plant	2	WB-150 150P
preheating device			
ballast water	BWMS	1	NB-200 150m ³ /h
preheating device			

Navigation equipment Navigation Equipment

radar	Rador	2	JMA-9122-9XA JMA-9132-SA
Gyrocompass	Gyro Compass	1	Stardand 22
magnetic compass	Megnetic Compass	1	MK2000S
depth sounder	Echo Soudrer	2	JFE-680
weather fax machine	Weather Facsimile	1	JAX-9B
	Receiver		
satellite navigation	GPS	2	JLR-7800
Wind speed and direction gauge	Window Indicator	1	OMC-116 OMC-183 OMC-406 OMC-938-939
Navigation warning receiver	Navtex	1	NCR-333

Communication equipment Communication Equipment Satellite

communication equipment	FBB	1	JUE-500
	INMARSAT-C	1	JUE-87
	VAST	1	KVH V11
Medium and high frequency	MF/HF	1	JSS-2500
radio station			
high frequency telephone	VHF/FM Radio Telephone	4	IC-F5220D
two way phone	Two Way VHF	3	JHS-7
automatic identification system	AIS		1JHS-183
electronic chart	ECDIS		1JAN-901B
Ultra short wave to space	VHF-AM		1IC-A110
Radio			
aviation radio	NDB	1	VR-125D
Beacon machine			
ship navigation	VDR	1	JCY-1900
Logger			