

# HAI YANG SHI YOU 945

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## General Description

Design/Generation	F&G /JU-2000E
Constructing Shipyard	Dalian Shipbuilding Industry (DSIC)
Deliver Year/Upgrades	2023
Classification	CCS& ABS
Flag	China
Overall Dimensions	323.8ft L×249.3ft W×31.0ft D
Legs	3 x 547.8ft; Triangular
Usable leg below hull	478.0ft
Spudcan diameter	59ft
Draft at load line	21.95ft
Displacement	50708.5kips
Variable Load	14299 kips
Cantilever Envelope	75ft
Operating Water Depth	400ft
Max. Rating Drilling Depth	35,000ft
Accommodation	140 beds

## Drilling Equipment

Derrick	National Oilwell Varco / D - 170x40x40x18x18 - 2100 - BN
Hookload Capacity	1000st
Drawworks	National Oilwell Varco / SSGD - 1000 - 6000 - 48 - 82 - 9
Top Drive	National Oilwell Varco / TDS-1000A, 1,150hp, 7,500psi
Rotary Table	National Oilwell Varco / RST495-3G
Tubular Handling	National Oilwell Varco / HydraRacker III 3-1/2 to 13-5/8
Mud Pumps	3*NOV* 14-P-220, 2,300hp/ea, 7,500psi
Solid Control	Shale Shakers:5*Brandt/VSM 300 ;Gumbo: NOV/Gumbo-X
Drilling Manifold	Rated for 15,000 Psi

## Power Plant

Main Power	6*Caterpillar 3516CHD diesel engines rated at 1,603kw, 1,200 rpm
Emergency Power	1 X Caterpillar /C32 diesel engine rated 994kw, 1,800 rpm driving an Leory Somer generator

## STORAGE CAPACITIES

Fuel Oil	4120bbbls
Liquid Mud	5110bbbls
Brine	1310bbbls
Base Oil	1310bbbls
Drill water	8292bbbls
Potable Water	3425bbbls
Bentonite/barite	9888ft3
Cement	9888ft3
Sack Storage	5,000 sacks

## BOP Equipment

Diverter	Vetco Gray Model KFDJ-500 Big bore
BOP annular	NOV SHAFFER/ Wedge cover model, 18-3/4"*10,000 Psi,
BOP rams	2* NOV SHAFFER / NXT-M, 18-3/4"*15k Psi, Double Ram;
BOP handling	TSC 125 ton BOP Skid x 2, TSC 35 ton BOP Crane x 1, TSC 125 ton BOP Handling Crane x 1

## Cranes

Port&Stbd	2* Liebherr MTC 2600 - 75 / 75t-25.2FT/15T-138FT
Fwrd	1 * Liebherr MTC 2600 - 75 / 75t-25.2FT/15T-138FT
Knuckle-Boom	1* NOV/12T@26- 49 ft/3.5 t @ 10 - 82 ft

## Mooring Equipment

Mooring Winches	4* MEP/AT40000E,40mt.
Anchor Lines	4* Juli Sling,2" ,6x36 IWRC,914m
Anchors	4* Chongqing Pengxiang - Delta HHP,7.5t

## OTHER FEATURES

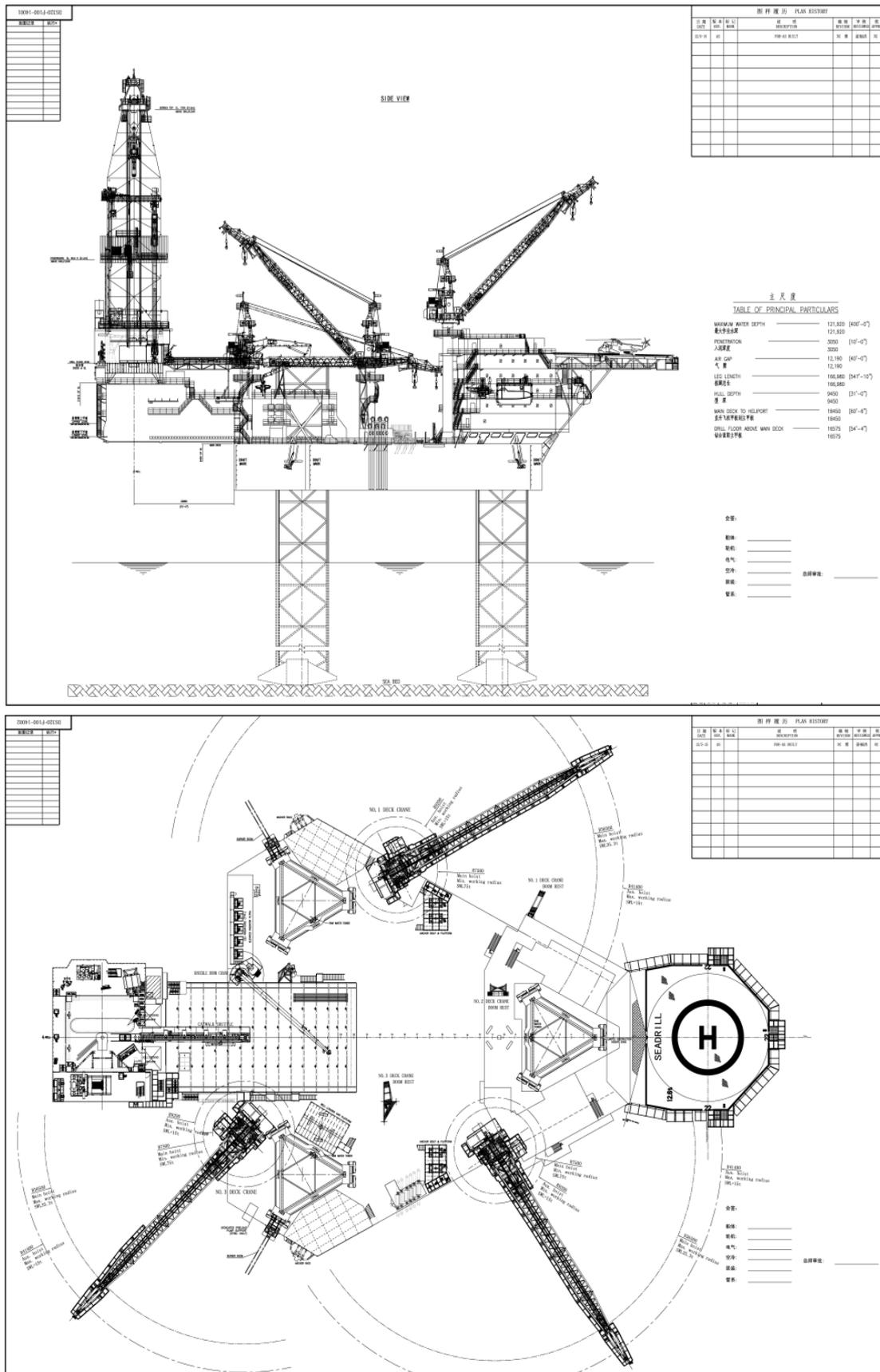
Helideck	Rated for Sikorsky S-92A&S-61N helicopter
Tension System	TSC /300st for Tension;150st for Secondary Tensioning / stroke:24inch/Number of lift points:8

These specifications are intended for general reference purposes only. All equipment shall be operated and maintained at all times, in compliance with COSL DRILLING standard operating manuals,policies and procedures, and within its stated operational limits or continuous rated capacity, in order to assure maximum operational efficiency.



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**HAI YANG SHI YOU 945 ( HYSY 945 )**



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