



MAIN CRANE CAPACITY 45 t / ACCOMMODATION 102 POB / MAX WATER DEPTH 91.44 m

The 'HAEVA' is a four-legged, heavy duty, cantilever type non-propelled self-elevating cantilever jack-up unit build during 1981 by Hitachi-Zosen in Osaka Works, Sakai, Japan and is owned Haeva BV. The Unit is specifically designed for operations in up to 65m water depth with a drilling depth of approximately 30,000 feet. The Unit can also be used for certain offshore construction/decommissioning operations.

The MODU is designed for ocean transit, being able to float on its own hull with the legs intact and fully raised. The layout and mobility of the Unit was originally designed as a drilling rig, Mobile Offshore Drilling Unit (MODU), before being converted to a Mobile Offshore Decommissioning Unit. The 'HAEVA' is classed and surveyed by Det Norske Veritas (DNV) and registered under the Flag-state Administration of The Netherlands.

Crew accommodation for 102 persons is located as far away as reasonably practicable from the potential location of hydrocarbons, with a maximum number of two persons assigned to each cabin.

GENERAL

Design:	NAM Nedlloyd-C Independent 4 Leg Cantilever Jack Up
Flag:	The Netherlands
Port of registry:	Vlissingen
Classification Society:	DNV Self Elevating Drilling Unit
IMO:	8016940
Call sign:	PDVY
Year Built:	1981
MODU Certification:	1989
Upgrade/Conversion:	2016
Builder:	Hitachi-Shipbuilding & Engineering Co. Limited Saka Japan
Accommodation:	102 Persons

MAIN DIMENSIONS/ DRAFT/DISPLACEMENT

Length:	302 ft (92.200m)
Breadth:	196 ft (60.00m)
Depth:	26 ft (8.00m)
Legs:	387'/Triangular Open Truss
Spudcans:	3.0m x 5.40m/10ft x 18ft
Transit Draft:	24' from Waterline to Tip of Spudcan



Document name: HAEVA Unit Specifications	Revision date: 13-12-2022
Document number: PED-DOC-PE-006	Revision number: 1

MACHINERY	OPERATING PARAMETERS
<p>Main Power: 6 x Caterpillar D-399 TA General Electric 600v AC / 895 kw / 60hz Generators. Power rating:- 600v AC / 895 kw / 60hz</p> <p>Power Distribution: 4 x jacking system distribution boards. SCR's systems from 660v AC to 750v DC to drive drilling motors. 600v - 460v transformers. Various 24 volt, 120 volt and 220 volt systems via transformers and 42 volt system</p> <p>Emergency Power: 1 x Caterpillar Type 348TA 450 kW with marine generator. Rating 1800 RPM, 480V AC : 450 KW</p> <p>Compressors: 3 x Atlas Copco air compressors are available to supply the rig with compressed air. The operating pressure of the rig air system is 8 bar.</p> <p>Jacking System: National / Electro-Mechanical Rack and Pinion Jacking speed 0.45m/min Safe holding capacity (per pinion) 318 Tonnes. Jacking capacity (per pinion) 200 Tonnes/nominal. Maximum holding capacity (survival) 454 Tonnes. Jacking motor specification:- AC 600 v AC / 22 kw / 60 Hz / 1655 rpm.</p>	<p>Max Water Depth: 300'</p> <p>Air Gap: 36 ft to 125 ft (SSA dependent)</p> <p>Transit Speed: 4 knots</p> <p>Mud Circulating System: 5000psi</p> <p>Well Control Equipment: 10.000psi</p> <p>Operating Transit:</p> <p>Depth: 26 ft</p> <p>Length: 223 ft</p> <p>Breath: 197 ft</p> <p>Leg Length: 388 ft</p> <p>Leg Spacing: 148 ft / 148 ft</p> <p>Cantilever: 52 ft Max load 754 mT of combined hook, rotary and setback load.</p> <p>Derrick: Bailey Steel and Cranes Type; 30 ft x 30 ft; 1,000 kips</p> <p>Drawworks: Continental Emsco C-3; 3,000 hp</p> <p>Top Drive: PS2-750A National Oilwell; 57,759 ft-lbs</p> <p>Rotary: CE T3750; 1,433 kips</p> <p>Iron Roughneck: Varco AR 3200; 100,000 / 120,000 ft-lbs. m/u / b/o torque</p> <p>Pipe Handling System: SMST PHC14</p>
INTEGRATED EQUIPMENT	CAPACITIES
<p>Cementing Unit: Dowell Schlumberger CP-361, CPS-361, Caterpillar C9-ACER-IMO engine (rated 340 bhp at 2,200 rpm Diesel Engines combined with CUS 122 Surge tank & CBS mixing tub.</p> <p><i>Maximum working pressure: 10.000 psi</i></p>	<p>Variable Deck Load: 2835 Tonnes</p> <p>Barite / Bentonite Tanks: 4,802 ft³</p> <p>Cement Tanks: 7.310 ft³</p> <p>Sack Storage: 5.000 sacks</p> <p>Liquid Mud Tanks: 3622 bbls</p> <p>Fuel Oil Tanks: 3377 bbls</p> <p>Drillwater Tanks: 2859 bbls</p> <p>Potable Water Tanks: 1180 bbls</p> <p>Miscellaenous Tanks: 6303 bbls</p> <p>Water Ballast Tanks: 39232 bbls</p>



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DECK EQUIPMENT	WELL CONTROL SYSTEMS
<p>2 x Sanders / EH40-45, Deck Cranes Mainhoist, 4falls 20mt @ 7m / 11mt @ 45m Mainhoist, 8falls 40mt @ 7m / 11mt @ 45m Whiphoist, 5mt all radius. <i>Maximum operations wind speed:- 25 m/s</i></p> <p>1 x Sanders EH25-25 Cantilever Crane Mainhoist - 25mt @ 6m / 10mt @ 22m Whiphoist - 5 mt @ all radii (5 – 24m)</p> <p>2 x Jiangyin Xinjiang, JY-QYF-9.35 78 Man Lifeboat 1 x Jorgensen & Vik A / S, 6.7 MINA 24 Man Lifeboat 1 x JY-QFN-6.0A 30 Man Lifeboat</p>	<p>BOP*: 1x Cameron 13 5/8 10,000 psi stack 1x Cameron 20 3/4 3,000 psi stack</p> <p>Preventers*: 1 x Shaffer 5k Annular, 1 x 10k' Double 'U', 1 x 10k Single 'U'</p> <p>Control System*: MCM 36x11 gallon bottles, 3,000 psi</p> <p>Remote Panels*: Well site & Safety Office</p> <p>Test Stump*: 10,000 psi</p> <p>*3rd Party Contracted and Operated Equipment</p>