

NG-10000-X4

Wind Turbine Installation & Oil and Gas Jack-Up Vessel

Description

This four-legged self-elevating and self-propelled heavy lift crane vessel is part of the GustoMSC NG series. The self-propelled jack-up vessels undertake voyages with high sailing speeds and positioning for jacking operations with DP-2 performance. The four legs with rack and pinion jacking systems and diagonal pre-loading allow for easy, fast and secure jacking operations. Fixation systems are installed to survive the harsh North Sea storm conditions. The vessels are equipped with a state of the art GustoMSC 1,200 ton Heavy Duty / High Outreach Offshore Crane, installed around the aft-SB leg, for installation of wind turbine components. The main deck is locally reinforced for the transport of wind turbine parts or other heavy components. In addition the vessel has the ability to work in the Offshore Oil & Gas sector.

Main dimensions

Length hull	115.0 m
Breadth hull	50.0 m
Depth hull	9.25 m
Design draft	5.50 m
Leg length	114.3 m
Number of legs	4

Classification, regulations

DNV, ✕ 1A1 Self-elevating Crane Unit
Additional notations: CRANE, DYNPOS-AUTR, E0, HELDK-SH

Power generation

6 diesel generator sets of 2,250 kW
1 emergency diesel generator set of 950 kW

Propulsion

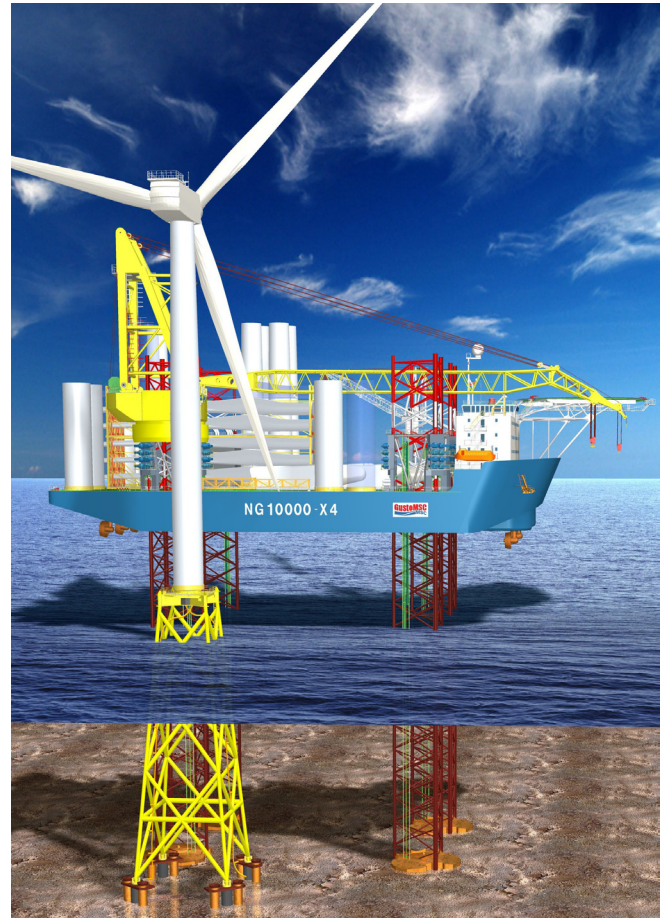
Four azimuthing thrusters of 3,500 kW are provided for transit and for station keeping as a DP-2 dynamic positioning system

Accommodation 60 POB

Helideck EH101

Variable load and Storage

Variable load	6,500 t
Deck load	5 - 10 t/m ²
Deck area	3,500 m ²



Environmental Survival Conditions

Maximum water depth	65.0 m
Air gap	22.0 m
Wave height	24.0 m
Wave period	15.7 s
Surface current	0.91 m/s
Wind velocity	44.0 m/s

Environmental Operational Conditions

Maximum water depth	65.0 m
Air gap	22.0 m
Wave height	18.0 m
Wave period	14.5 s
Surface current	0.91 m/s
Wind velocity	36.0 m/s

Jacking System

Make	GustoMSC
Model	GLL-90/8
Max. Jacking capacity	5,760 t
Max. Holding capacity	10,512 t
Platform handling speed	27 m/hr
Leg handling speeds	27 m/hr

Fixation System

Make	GustoMSC
Model	7500
Ultimate holding capacity	21,400 t/chord

Main Crane

Make	GustoMSC
Model	GCC-1200-HD
Main hoist (DAF 1.10)	1,200 t @ 30.0 m
Hoisting height above main deck	105 m
Aux. hoist (DAF 1.15)	160 t @ 70 m
Hoisting height above main deck	108 m
Trolley Hoist (manriding 3t)	25 t @ 73 m

GustoMSC services

GustoMSC provides basic design with Class approval and hardware delivery of the Jacking System, Fixation System and Offshore 'around the leg' crane.

Data presented in this product sheet is for information only and subject to change without notice.

