Wind Turbine Installation Vessel – 'QunLI'

GENERAL DESCRIPTION

Name:	Qunli
Type：	Self-elevating Self-propulsion Unit
Owner：	COES
Design：	MARIC
Builder：	ZPMC
Delivery：	2021
Accommodation：	220P
Edurance.:	20Days
Flag:	CHINA
Class:	CCS

★CSA Self-elevating Offshore Wind Turbine Service Unit；Crane Unit； Offshore Support Unit； Accommodation Unit; Lifting Appliance； PSPC（B）； Loading Computer（SI）； FTP； HELDK；

★CSM AUTO-0； BWMP； BWMS； DP-2； Electrical Propulsion System；

TECHNICAL SPECIFICATION

Main Dimensions

Hull length:	132.6m
Breadth moulded:	42.0m
Depth moulded:	9.0m
Design draught:	6.0m
Leg length:	90m
Design water depth	52.5m
Helideck diameter:	22m

Working Deck

Free deck area:	2800m^2
Deck strength:	15t/m^2

Capacity

Gross ton:	17800
Displacement:	26980t
Max. variable load:	5000t
Fuel oil:	1200m^3
Fresh water:	460m^3
Drinking water	500m^3
Anti-heeling tanks:	4000m^3
Ballast tanks:	6000m^3

Speed

Designed Speed:	10knots

Generator

Total generator power:	21000 kW
Main generator sets:	6×3200kW
Harbor generator set:	1×1200kW
Emergency generator set:	1×600kW

Propelling

Azimuth propeller:	3×3800kW
Tunnel thruster:	3×2000kW

DP System

DP2	
At wave height 3.0m, current 1.03m/s and wind speed 13.8m/s	

Jacking system

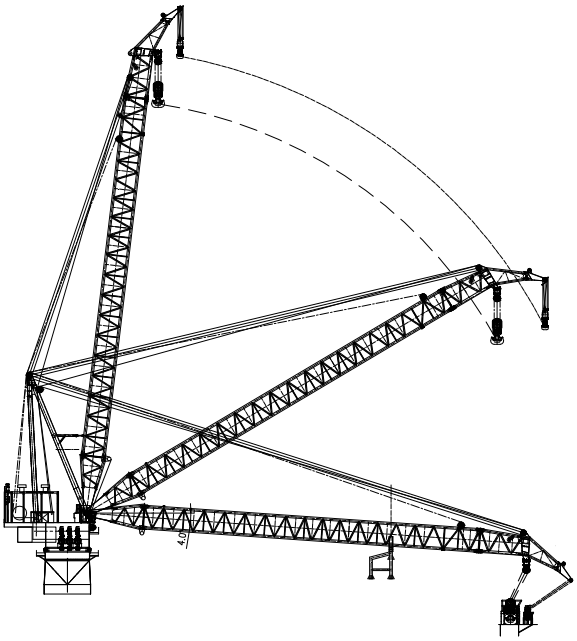
Max. jacking capacity:	5600t
Max. holding capacity:	9200t
Platform lifting/lowering speed:	24m/h
Leg lifting/lowering speed:	30m/h

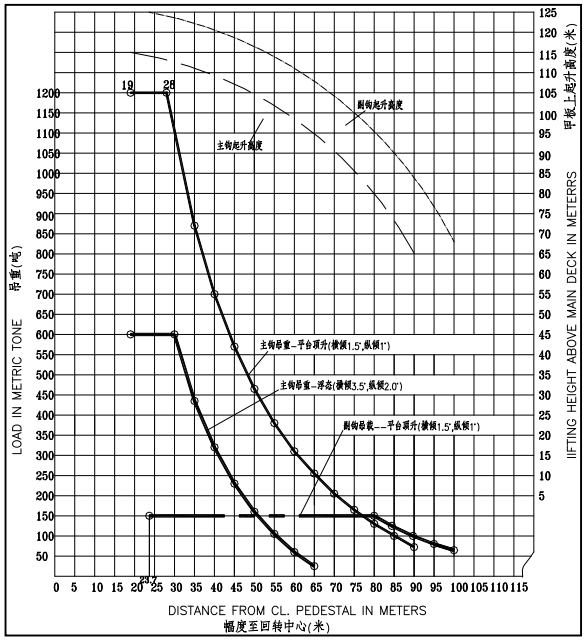
Lifting Equipment

Main hoist(Double hook) :	1200t@28m
Floating fully revolving:	600t@30m
Floating fixed:	850t@35m
Working radius:	19~90m
Hoisting height:	
110m above and 25m below Main deck	
Auxiliary hoist:	150t@80m
Working radius:	23.7~100m
Hoisting height:	
120m above and 25m below Main deck	

Design criteria

Jacking design condition	
Variable load:	5000t
Max. wave height:	4.0m
Current velocity:	2knots
Wind velocity:	13.8m/s
Elevated survival condition	
Variable load:	2000t
Max. wave height:	15m
Current velocity:	4knots
Wind velocity:	51.5m/s
Air gap:	11m





The Specification is given in good faith but are without guarantee