



MAYFLOWER RESOLUTION

General Information:

The vessel is designed in close co-operation between Mayflower Energy and Knud E. Hansen A/S. The vessel was built at Shanhaiguan Shipyard (SHG), Chenwei, China. It is a Turbine Installation Vessel (TIV) capable of transporting offshore wind turbines to the wind farm site from ashore by its own power. The vessel is transitioning from the afloat condition to an elevated construction mode when installing the turbine structure with its own onboard crane. These operations are carried out without assistance from other vessels.

Main Particulars:

Length o.a.	130.00 m
Length p.p.	125.00 m
Breadth	38.00 m
Depth	8.00 m
Draught max.	5.50 m
Draught min. working condition	3.40 m

Speed:

Service speed	10.50 kn
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Propulsion:

Diesel electric azimuth	
Main engines	4 x diesel generators
Installed power	7680 kW
Propulsion	4 x azimuth-thrusters (6000 kW) 3 x bow-thrusters (2100 kW)
Endurance of the vessel	approx. 65 days

Miscellaneous:

Installation capacity	10 x 2Mw Wind turbines
Max. crane capacity	300 t
Number of vessels built	1
Identification number	KEH 01023
IMO number	9260134

Scope of work:

- Conceptual design developed for the owner
- Basic design developed for the owner, including:
 - General design
 - Structural design
 - Machinery design
 - Outfitting design
 - Accommodation design

