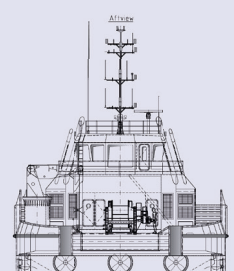
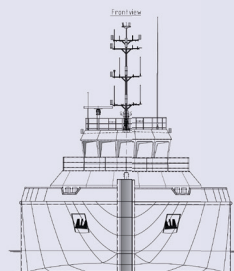
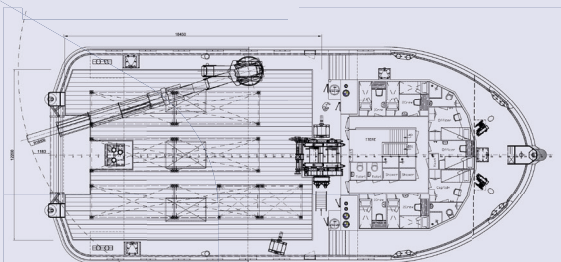
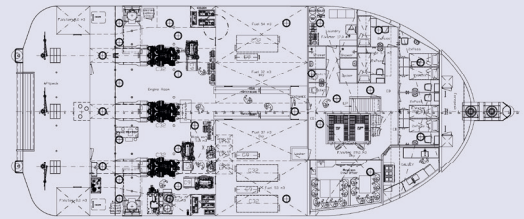
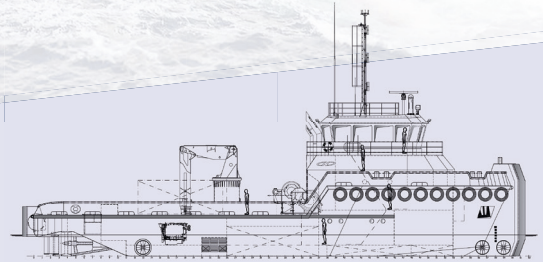




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## DECK LAYOUT



# Ella F

## Neptune 35m Ultra Shallow Draft DpII MPSV

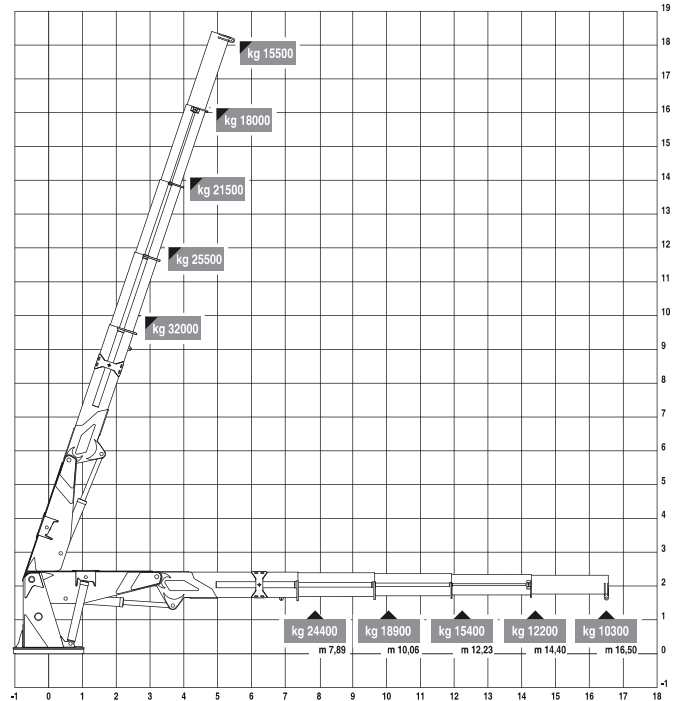
Ella F is a revolutionary new evolution in workboat design, the concept delivers a vessel with the power of a tug, the versatility of a shoalbuster, and yet she is still able to operate in the shallow water that is normally reserved for small multcats. A truly unique and ground breaking concept. Ella F is also an ideal option for Survey work and or UXO Clearance.

## Specifications

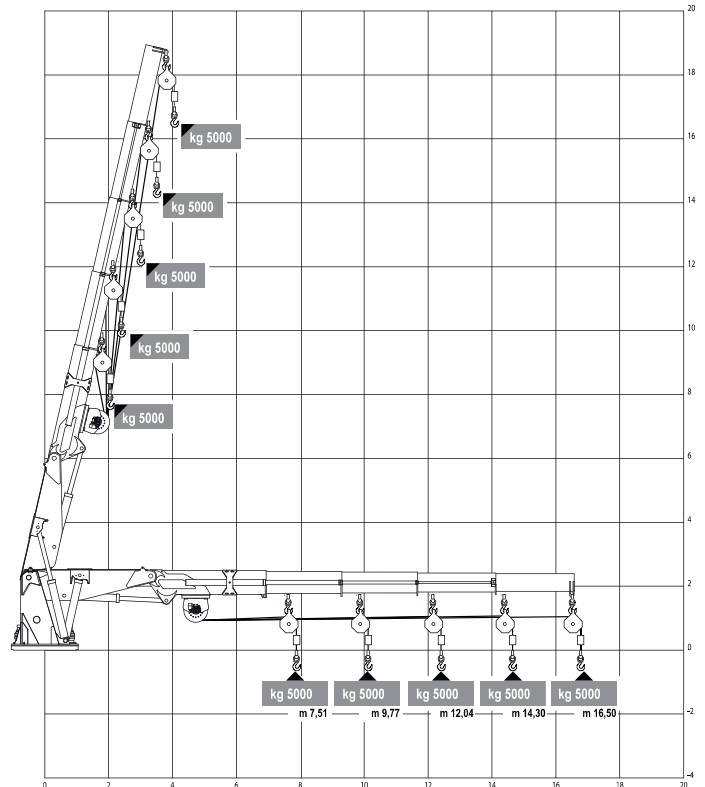
|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Boat Name            | Ella F                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Port of Registry     | Maassluis                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Type or Description  | Neptune 35m Ultra Shallow Draft DpII MPSV                                                                                                                                                                                                                                                                                                                                                                                                                          |
| IMO Number           | 9813498                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SI Number            | 57854                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Call Sign            | PBMN                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| MMSI                 | 244020028                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Build Date           | March 2017                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LOA                  | 35.60 meters                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Beam                 | 15.00 meters                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Draft                | 1.5 metres                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Deck Space/Area      | 225meters <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Deck Load            | 5 tonne per meter <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Class                | Bureau Veritas 1 + Hull & Machinery Tug - Unrestricted navigation - AUT - UMS, Dynapos AM/AT R                                                                                                                                                                                                                                                                                                                                                                     |
| Propulsion           | 3 x Caterpillar C32 2907 kw / 3900 Hp                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Bowthrusters         | 1 x 275 kw Tunnel & 1 x 360° grid 275 kw                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sternthrusters       | 2 x 275 kw Tunnel                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Cooling              | <b>1 genset air / keel cooled, 2 keel cooled</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Speed                | 10.0 knots approx                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Bollard Pull         | 31 tonne                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Generator(s)         | 3 x Caterpillar C9 + 1 x Caterpillar C32                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Deck Equipment       | <b>Crane type: HLRM-4SL</b><br>Heila HLRM 230 - 4SL with St Crane Winch<br>10.3 tonnes @ 16.5 meters ~ 24.4 tonnes @ 7.89 meters Winches<br>100 tons Ridderinkhof Anchor Winch @ 7m/18m per min<br>64 tons Ridderinkhof Towing winch @ 11m/28m per min<br>15 tonne Brevini Tugger winch                                                                                                                                                                            |
| Store/Workshop Area  | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Fuel Capacity        | 173metre <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Water Capacity       | 85 metre <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Navigation Equipment | 2 x DP II Independent Systems with integrated auto-pilot<br>1 x DP II Sub-System with integrated auto-pilot<br>2 x Radar connected to chart plotter with overlay<br>1 x Radar Sub-system<br>2 x Satcom C Units<br>3 x Independent rudder indicators<br>1 x Integrated fan beam monitor, control & fan beam on board<br>Magnetic & Electronic compass's<br><b>3x gyro compass</b><br>2 x GPS Units<br>Electronic chart plotter & Watch keeper alarm<br>Echo sounder |
| Comms Equipment      | AIS, Navtex, Speed log, & Talk-back unit<br>3 x Fixed VHF radio + 5 hand held VHF Radios<br>2 x Emergency GMDSS VHF Radios<br>Cell (GSM) phone<br>Satellite phone<br>SSB radio<br>Email                                                                                                                                                                                                                                                                            |
| Other Equipment      | 1 x integrated monitor, to connect with client equipment<br>2 x 2.3t Ridderinkhof Windlass @ 10m per min<br>Stern roller<br>35ton Towing hook/bit<br>Aft hydraulic chain stopper & towing pins<br>Deck flood lights<br>Fwd & Aft Search lights                                                                                                                                                                                                                     |
| Accommodation        | Heated & Air conditioned sleeping accommodation & messing facilities for 21 Persons<br>Professional kitchen with stores elevator & walk in refrigeration<br>Fresh Water making facilities and sewage plant on board<br>On Board Hospital                                                                                                                                                                                                                           |

## Crane Lifting Capacity

**HLRM 230-4SLK - LOADING DIAGRAM (WITH HOOK)**



**HLRM 230-4SLK - LOADING DIAGRAM (WITH WINCH)**



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