



## SURFER 220

**FAST CREW BOAT FOR THE OFFSHORE OIL AND GAS INDUSTRIES**



The SURFER® 220 is a 22-metre crew boat ideally suited to covering long distances in heavy seas. It is designed to transport personnel and equipment to oil and gas platforms and offers an ideal compromise between safety, speed and comfort.

### OPERATING CAPABILITIES

Depending on the options selected, SURFER® 220 can carry between 30 and 50 passengers and up to 2 tonnes of freight at a service speed of 30 knots, propelled by three water jets that are driven by three diesel engines, ensuring its manoeuvrability and reliability. The crew boat enables personnel to embark and disembark safely via its boat landing, which is protected by a 425mm diameter bow fender.





# SURFER 220

## ACCOMMODATION

The SURFER® 220 has an ergonomic navigation area with a pilot seat, and depending on the options selected, either a folding seat or pilot seat for the co-pilot. It is fully glazed to provide a 360° view.

Depending on the options chosen, a crew lounge can be fitted out in the pilot house together with a head with electric WC and wash basin, and a mini-galley. Depending on the options chosen, a crew cabin with two or three berths can be fitted out on the port side. The passenger cabin has a wide, unobstructed view to the exterior and is fitted with individual seats.

Heads with electric WC and wash basin plus a shower cabin are located either forward on the starboard side or aft of the passenger cabin on the port side, depending on the options chosen.



## TECHNICAL SPECIFICATIONS

### DIMENSIONS

|                                  |                 |
|----------------------------------|-----------------|
| Overall length including fenders | 22,70 m         |
| Hull length                      | 21,90 m         |
| Beam including fenders           | 6,00 m          |
| Deadweight                       | de 9,3 à 11,1 t |
| Draft                            | 0,95 m          |

### PROPULSION & PERFORMANCES

|                    |                     |
|--------------------|---------------------|
| Engines – 647 kW   | 3 x DOOSAN 4V222TIM |
| Water jets         | 3 x HAMILTON HJ 403 |
| Generator – 32 kVA | NANNI DIESEL QLS32T |
| Service speed      | 30 nœuds            |
| Range              | 300 MN              |

### CAPACITY

|               |              |
|---------------|--------------|
| Crew          | 2 à 3        |
| Passengers    | de 30 à 50   |
| Freight       | de 1,5 à 2 t |
| Foredeck area | 23 m²        |
| Diesel tanks  | 3 x 1650 L   |
| Fresh water   | 390 L        |
| Grey water    | 270 L        |

### ACCOMMODATION

The fully air-conditioned accommodation is ergonomically designed to ensure passenger comfort and a light atmosphere. The passenger cabin layout can be customised on request.

### FREIGHT TRANSPORT

The 8m² foredeck can hold 0.75 tonnes of freight. The foredeck can bear loads of up to 500kg/m².

### BOAT LANDING

Access to the offshore platform is via the embarkation area, which is secured by guard-rails. The bow of the vessel is protected from chafing during these operations by a suitably robust fender.

### ENGINES AND PROPULSION

The two diesel engines drive water jets, delivering optimal performance in terms of speed, propulsion and manoeuvrability.

### HULL SHAPE

SURFER 140's hull is designed to deliver optimal performance while reducing fuel consumption, giving the vessel a range of 250 nautical miles. The specific hull shape has a positive influence on the vessel's behaviour during boat landing manoeuvres and avoids the need for bow thrusters.

### ANTI-VIBRATION PADS

The superstructure sits on anti-vibration pads. We have been using this technology on our vessels for over 20 years, as it enables noise and vibrations in the superstructure to be considerably reduced.

Options can be considered on request  
Alternative engine and/or water jet models can be installed on board



## EFINOR ALLAIS

—  
BASE NAVALE  
ATELIER MÉCANIQUE NORD  
50100 CHERBOURG-EN-COTENTIN  
FRANCE

—  
TEL • 02 33 97 33 49  
MAIL • CONTACT.ALLAIS@EFINOR.COM

