FAST CREW SUPPLIER 2710
EXECUTIVE SUMMARY
A RELIABLE AND VERSATILE PLATFORM

Already serving the seas for decades, the Damen fast crew supply vessel designs are based on experience and customer feedback.

The ever continuing balance between comfort, speed, operability, operational efficiency and flexibility is the basis for the fast crew supply range.

Main tasks:
- Transportation of personnel
- Transportation of cargo
- Personnel transfer

Contribute to:
- Survey duties
- Dive support operations
- Guard duties
**Improved sea keeping performance**
- Improved safety
- Improved comfort
- Reduced fuel consumption

**Five years of research with:**
- Delft University of Technology
- Royal Netherlands Navy
- Maritime Research Institute Netherlands
- US Coast Guard

**Compared to conventional ships**
- Peak accelerations 50% to 75% less
- Flat water resistance 10-15% less
- Reduced added resistance in waves 40%

**Twin Axe = catamaran Sea Axe:**
- Similar improvements over conventional catamarans as found for monohulls
- >45 in service
### Hull:
- Length overall: 26.8 m
- Beam overall: 10.5 m
- Depth at sides: 4.3 m
- Draught: 2.3 m
- Hull material: Aluminium
- Superstructure: Aluminium

### Machinery:
- Main engines: 2x Caterpillar C32 TTA
- Propulsion: 2x Fixed pitch propellers
- Total power: Up to 2,162 bkW

### Performance:
- Speed: Up to 25.0 kn
- Range: 1,200 nm

### Capacities:
- Crew: Up to 14
- (Industrial) personnel: Up to 24
- Fuel Oil: 30.5 m³
- Fresh Water: 3.5 m³
- Sewage: 0.5 m³
- Bilge water / dirty oil: 0.4 m³
- Deck cargo: Up to 20.0 tonnes
- Deck load: 1.5 t/m²
- Deck area: 90.0 m²
- Deadweight max.: Up to 30.0 tonnes
Standard propulsion system:

- **Main engines**
  - CAT 2x C32 C-Rating @ 1081 kW

- **Gearbox**
  - 2x Reintjes ZWVSA series (Two-speed, V-drive)

- **Generator sets**
  - 2x CAT 4.4 NA @ 38.0 kW/47.5 kVA

- **Network**
  - 400/230V 50 Hz AC, 24V DC

Optional propulsion systems:

- 4x Volvo IPS 900 @ 515 kW
- 2 x Voith Linear Jet 1010
- Large, single-level foredeck.
- Container fittings for 10’ and 20’ containers
- Recessed anchor equipment
- Rubber D-fender on sides and stern corners
- Cross-linked honeycomb bowfender
- Large, unobstructed bridgedeck suitable for drone operations
- Life saving appliances

Optional:
- Deck crane
- Moonpool
- Fuel cargo system
- High pressure cleaner
Helmsman seat controls:
- Main propulsion
- Steering
- Bow thrusters

Console:
- Radar
- AMS
- Autopilot
- AIS
- GMDSS equipment
- Intercom
- Search light control
- Magnetic- and GPS compass

Optional:
- Single/dual ECDIS
- Speedlog
- 4G / Satellite data communication
Bridge deck
- Small mess and pantry

Main deck
- Captains cabin
- Officers cabin
- Crew cabin
- Mess / day room
- Pantry

Lower deck (optional)
- Crew cabin(s)
- Harbour cabin(s)

Optional:
- Laundry
Main deck:
- Wet gear room
  Provided with clothing hooks, benches, storage and ventilation
- Light and spacious accommodation
- 24 luxury seats
  Provided with reclining back, power- and USB socket, reading light, table and wide arm rests.
- Pantry

Optional:
- 18 luxury seats and 6 lay-by berths
- 15 business class seats
- Single-level foredeck
- No steps in route between transfer area and accommodation
- Short traffic routes
- Stern platforms for easy access from low quays
- Separated crew- and industrial personnel areas
REFERENCES
SEA AXE

2006
Mexico

2008
Mexico

2011
Cape Verde

2011
United Arab Emirates

2012
Trinidad & Tobago

2012
Luxembourg

2014
Netherlands

2015
Nigeria

2015
Greece

2016
Indonesia

2017
United Arab Emirates

2018
United Kingdom

DAMEN
Damen Shipyards Antalya, Turkey
Damen Shipyards Gorinchem
P.O. Box 1
4200 AA GORINCHEM
The Netherlands

Phone          +31 (0) 183 63 99 11
Fax            +31 (0) 183 63 21 89
E-mail        info@damen.com
Website       www.damen.com