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
- Safety stand-by, including Fire-Fighting
- Emergency relieve
- Oil spill recovery
- Safety patrols

Contribute to:
- Marine safety
- Search and rescue operations
FCS 5009
Crew Supplier

FCS 5009
Safety Standby

FCS 5009
Oil Recovery

FCS 5009
Security
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
- Less resistance in waves 40%

“Sea Axe” ships:
- >150 in service
- Many vessels under construction on several yards in the world
- Proven design in all conditions
Hull:
- Length overall 53.2 m
- Beam overall 10.1 m
- Depth at sides 4.7 m
- Draught 3.5 m
- Hull material Steel
- Superstructure Aluminium

Machinery:
- Main engines 4x Caterpillar / MTU
- Propulsion 4x Fixed pitch propellers
- Total power Up to 6,750 bkW

Performance:
- Speed Up to 27.0 kn
- Range at max speed Up to 3,100 nm

Capacities:
- Crew Up to 8
- (Industrial) personnel Up to 80
- Fuel Oil 168.1 m³
- Fresh Water 28.4 m³
- Liquid cargo 173.1 m³
- Sewage 7.2 m³
- Bilge water / dirty oil 2.6 m³
- Deck cargo 250.0 tonnes
- Deck load 2.5 t/m²
- Cargo deck area 240.0 m²
- Deadweight max Up to 325.0 tonnes
Main engines
- CAT
  - 4x 3512C A-Rating @ 1118 kW
  - 4x 3512C HD C-Rating @ 1678 kW
  - 4x 3516C HD C-Rating @ 2240 kW
- MTU
  - 4x 12V4000M53 1A Rating @ 1380 kW
  - 4x 16V4000M63L 1A Rating @ 2240 kW

Gearbox
- 4x Reintjes WVS series

Bow thruster
- 2x 75 ekW, electrically driven

Generator sets
- 3x CAT 4.4 TA @ 99.0 ekW/123 kVA

Network
- 24V DC, 240/415V 60Hz AC
- Heavy duty wooden work deck
- Container fittings
- Reefer container connections
- Anchor equipment
- Stainless steel fender on main deck level, heavy duty transom rubber fender and tyre fenders
- Life saving equipment

**Optional:**
- Deck crane
- Davit
  - Fast Rescue Craft
  - Daughter Craft
- Fire-Fighting 1 with waterspray
- Marine access system
- Emergency towing hook
- Stern rounding
- Oil recovery
**Front console:**
Helmsman seat controls:
- Main propulsion
- Steering
- Bow thruster

Console:
- 2x Radar
- AMS
- Autopilot
- 2x VHF Radio
- Intercom
- Search light control
- Magnetic compass

Optional:
- Satellite data connection
- V-Sat
- 2nd Inmarsat-C
**Aft console:**
Helmsman seat controls:
- Main propulsion
- Steering
- Bow thruster

Console:
- DP1
- FiFi1
- VHF slave
- Intercom slave
- AMS

Chart table:
- MF / HF Radio
- Inmarsat-C
- NavTex
- DGPS
- Echo sounder
- AIS
Below main deck:

- Mess room
- Galley
- Captains cabin
- Officers cabin
- 1x 2 crew cabin
- 1x 4 crew cabin
- Sanitary spaces
- Cold & dry stores
Main deck:
- Industrial personnel seating up to 90
- Sanitary spaces
- Luggage racks
- Technical space

Optional:
- Business class seats
- Medical room
- Crew cabins
- Damen Shipyards Antalya, Turkey
- Damen Shipyards Cape Town, South Africa
- Damen Song Cam Shipyards, Vietnam
- Damen Shipyards Gorinchem, The Netherlands
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