



## DG-16M/20PAX MINI Class HIGH-SPEED CREW BOAT

**Purpose / Description:** *This boat has been designed for fast transferring of crew from shore to platforms or back to shore in coastal territories. Boat having 2000 kg payload can also capable for boxed type cargo transfers. This highly maneuverable and seaworthy boat enables its users to carry out this operations at high speeds within shallow waters up to sea state 5 (beaufort) rough sea conditions. Alternative models can be applicable for SEA TAXI , PILOT purposes.*

### **Specifications:**

Length (moulded & LOA)	:	16.8 / 15.90 mts
Length (water level)	:	15.00 mts
Beam (moulded & OA)	:	4.60 mts
Depth (moulded)	:	2.10 mts
Draft (moulded & extreme)	:	0.95 / 1.25 mts
Displacement (fully laden)	:	21.00 t

### **Accommodation:**

Crew	:	2 persons
Passanger	:	20 persons (maximum)
Wheelhouse		
Salon for passengers with Pullman seats having safety belts		
Daily living room with buffet and seats in row can use for laying		
WC and shower		
Heating or cooling via A/C in all areas		

### **Classification Society and certificates :**

BV- HSC (High-Speed craft) or equivalent	:	DNV,ABS,LRS,RINA
I+HULL*MACH, LIGHTSHIP		MCA
CREW BOAT, COASTAL AREA		

### **Navigation Equipment:**

36 nmiles Radar (combined with chart-plotter and GPS)
Magnetic Compass
Satellite compass
Auto-pilot
DGPS & Chart Plotter
Echo Sounder
Navtex Receiver
AIS
Searchlight 1 x 500 w
Navigation lights
Horn / Siren

### **Propulsion and Main Engine:**

2 x 500 kW highspped diesels at 2300 rpm
2 x 700 mm FPP propellers

### **Speed and Range:**

Service Speed (%65 MCR)	:	25 knots
Maximum Speed	:	35 knots
Range (at service speed)	:	300 nautical miles

### **Tank Capacities:**

Fuel	:	2800 litres
Freshwater	:	300 litres
Sewage tank	:	300 litres
Oily water (bilge) tank	:	200 litres
Clean Lub-oil tank	:	100 litres

### **Communication Equipment:**

2 x VHF / FM DSC - (semi-dublex 25 W)
1 handy VHF GMDSS
Intercom & announce system
EPIRB and SART
CCTV system

### **Deck Equipment:**

Electric driven anchor windlass & capstain
8 bollards and warping chocks
MoB rescue platform at transom
David with 24 DC lifting winch SWL 150 kg

### **General Specifications:**

Corrosion resistance full aluminium structure
Raised bow for good sea keeping and sea worthiness
360 degree view at bridge
Absorbing rubber fender system
Ergonomic and comfortable internal layout
Reinforced bow and fender for pushing and forward landing

### **Auxiliary engines :**

1 x 8 kW diesel generator
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### **Life Saving Equipment :**

2 x 12 persons inflatable life raft
Buoys and life jackets min. as per rules
Safety railing with quick release belt

### **Optional Systems & Equipments:**

Water-jets propulsion system
Speed 40 knots acc to M/E power and propulsion system
Full HDPE (High density polyethylene) construction
- No maintenance for hull and structure, life time guarantee --
Bow thrusters

### **Fire Fighting Equipment :**

Fixed CO2 system for Engine room,
Portable CO2 tubes and fire stations



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