

# 25M RO-RO PASSENGER SHIP



## PRINCIPAL PARTICULARS

<b>LENGTH OVERALL:</b> .....	<b>25.83m</b>
<b>BEAM OVERALL:</b> .....	<b>9.30m</b>
<b>LENGTH WATERLINE:</b> .....	<b>23.60m</b>
<b>MAX. DRAFT:</b> .....	<b>1.50m</b>
<b>RANGE:</b> .....	<b>380nm</b>

**PERSONAL: 3(Navigator) + 150(Crew)**

**DISPLACEMENT (FULL LOAD): 66T**

**MISSION: Offshore wind exploration and supporting, personal cargo transport**

**SPEED: 20knot(sailing)/26knot(full load and max. speed)**

### STRUCTURE

Hull, deck and accommodation is composition materials, foam sandwich structure  
Longitudinal frame is used for boat

### SYSTEM

#### FUEL SYSTEM

Two(2) sets of fuel tank, total capacity is 6000L.

#### LUBRICATING OIL SYSTEM

Lubricating oil tank is located each engine room

#### FIRE FIGHTING SYSTEM /BILGE WATER SYSTEM

Two(2) sets of bilge pump is located in each engine room, one is electric pump and fire pump, the other is engine with bilge pump

Fire detector system

FM 200 fire extinguishing system and 4.0 kg ABC fire extinguisher

#### VENT AND AIR CONDITIONER SYSTEM

Navigation room and crew cabin: Central air conditioner is used for temperature adjust and ventilation

Under deck area: Electric fan

Engine room: centrifugal blower fan is located each engine room, the stern of engine room is located the waterproof grill

#### ELECTRIC SYSTEM

380V and 220V alternating current power supply

Batteries

24V direct current power supply

Shore connection socket

#### HULL CORROSION PROTECTION

Cathode protection system is used, fore shell plate and stern transom plate are located the zinc block

#### MACHINERY EQUIPMENT

Two(2) sets of MTU engine with ZF3050 gear box, fixed pitch propeller( five blades), Hydraulic connecting rod steering gear

### DECK OUTFITTING

Polishing stainless steel or anodized aluminum deck outfitting

Lifesaving equipment: life raft/lifebuoy

Chair is made from of light and floated sandwich panel

Handrail is located in areas of passage way and mooring operation

Anchor and mooring equipment: bollard, high holding power anchor

### ACCOMMODATION ARRANGEMENT

One hundred fifty(150) sets adjusted chair are installed at passenger area

Three(3) sets of toilet are installed, one is for handicapped

Ceiling and wall panel shall be noncombustible and fire retardant insulating materials, wall panel is made of aluminum Honeycomb Panel

Window is made of tempered and anti-UV glass, windshield window is installed

with window wiper of synchronous control and spraying water function

Noise reduction is applied for whole boat

### ELECTRIC EQUIPMENT

Navigation equipment

RADAR

Chart

GPS/Satellite compass

Magnetic compass

GMDSS handheld radiotelephone

Echo sounder

VHF Radiotelephone

Search lighting

Speaker

CCTV system

Public address system

Radar reflector

### OTHERS

Gyro stabilizer

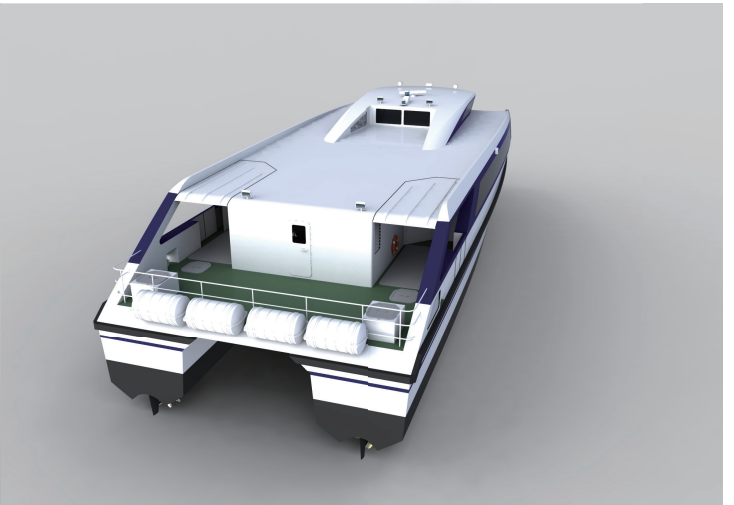
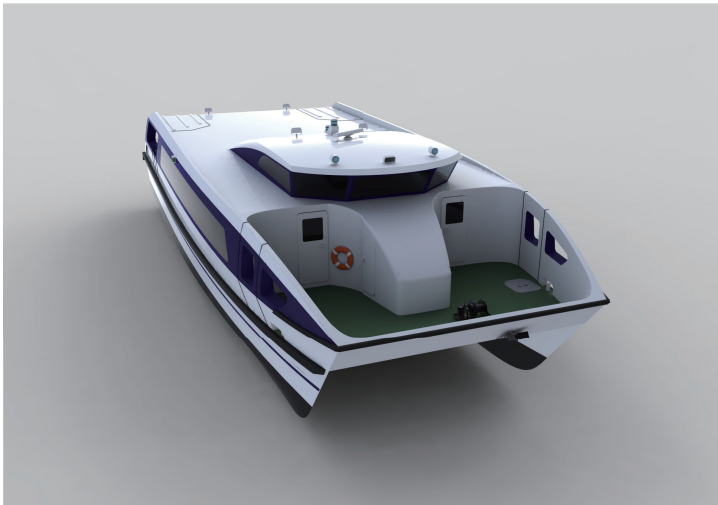
### DESIGN RULE:

CCS 《Technical regulations for statutory survey of small ships along the coast》

《Specification for marine high-speed ship entry and construction》

( The class society is decided by client )

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