



CREW TRANSFER VESSEL 30 PAX - ENDURANCE

Mate is a monomaran class crew tender vessel designed to have competitive advantages such as more comfort, improved seagoing characteristics, and high level of fuel efficiency due to its optimized hull.

GENERAL

Hull	Aluminum
Superstructure	Aluminum
Basic functions	Crew / cargo duties
Classification	Bureau Veritas
GMDSS	A2
IMO no/ MMSI no	9929417
Call sign	PDTO
Year built	2022
Builder	Next Generation Shipyards
Homeport	Harlingen
Flag	Dutch

DIMENSIONS

Length o.a.	27.27 m
Beam o.a.	9.80 m
Depth at sides	4.85 m
Draught max.	2.20 m
Light ship weight	80 ton
GT	232 ton
NT	70 ton

TANK CAPACITIES

Fuel oil	40 m ³
Ad blue	2.00 m ³
Fresh water	4.00 m ³
Waste water	2.40 m ³
Bilge	0.40 m ³

PERFORMANCE (TRIALS)

Speed	22.0 kts
Max. range	Up to 1500 nm
Hsig	1.8 mtr
Bollard Pull	@ 100% MCR 20 ton
Bollard Pull	@ 80% MCR 17 ton
Bollard Pull	@ 47% MCR 12 ton

PROPULSION SYSTEM

Main engines	2x MAN D2862 LE 489 IMO Tier III / EPA Tier 4
Total power	2x 1066 kW @2100 rpm
Gearboxes	2x Servogear HD295H
Propellers	Controllable Pitch Propeller Systems
Bow thrusters	2x 15 kW
Humphree Interceptor	Active Ride Control

ELECTRICAL EQUIPMENT

Network	24V DC, 3x 230V 50Hz AC
Generator set	1x WhisperPower M-SQ27
Capacity	25 kW / 27 kVA
Shore connection	32A 400V 50Hz AC

LIFE SAVING EQUIPMENT

Life buoys	3
Life jackets	35 + 4 spare (total 39)
Immersion suits	30
Personal MOB system	5 pcs Man Over board devices incorporating both AIS and 121,5 Mhz homing beacon.
MOB system	1x Sea Marshall SAR Finder 1003 MK3
Liferafts	Capacity: 4x 20 persons
Fire extinguisher	According to class
AED	Located in PAX-Room

ACCOMMODATION

Crew	2 up to 5
Cabins	4
Transfer crew	30 (12 PAX + 18 Industrial Personnel or 30 Industrial Personnel (MSC418/97))
Wheelhouse	Providing total control and complete visibility
Main deck	Crew cabins, pantry and toilet, PAX-Room with 30 seats and coffee bar, Wi-Fi and video system
Air conditioning	Covering and adjustable per each room separate



NAUTICAL AND COMMUNICATION EQUIPMENT

Searchlight	1x Luminell SLS-11011, 1x Jabsco RC 200
Radar	X- band (Furuno XN12A + NX20AF)
(D)GPS	GS70 GPS
Navtex	Sailor 6390 Receiver
AIS	Sailor 6280-6281
External communication	GMDSS A2
Compass	Lilley & Gillie MK2002S-W Magnetic, Simrad MX575 GPS
Echosounder	Simrad S3009
Speed-log	Simrad SAL R1a
Autopilot	Simrad AC80A
EPIRB	Sailor 4065
SART	em-trak SART 100
Windmeter	Observer OMC-115
Ecdis	2x Transas Navisailor 4000
Vessel monitoring	AST Reygar
Data communication	4G/5G Antenna, Starlink

DECK LAY-OUT

Anchors	1x SHPP anchor, 167 kg
Fender	Bouyant Works - Impact Bow Fender.
Deck crane	Melcal FL15T3, located Starboard. SWL 2000 kg/4.6m, 910 kg/10.10 m. SWL based on harbor conditions.
Deck space	67 m ² - Steplless - Dangerous goods zone - 2x 10 ft container or 1x 10ft + 1x 20ft container.
Deck cargo	15 ton up to 22 ton. Container fittings are integrated in the cargo deck.
Max. deck load	1.5 ton/m ²
Moon pool	Integrated Moonpool with a diameter of 700mm. Located below deck
Fuel transfer	Max 1.5m ³ /h @ 5 bar. Hose length is 30m. Provided with pistolgrip and counter.
High pressure cleaner	The work deck has a fresh water connection for High pressure cleaner The cleaner is provided with a hose and lance.

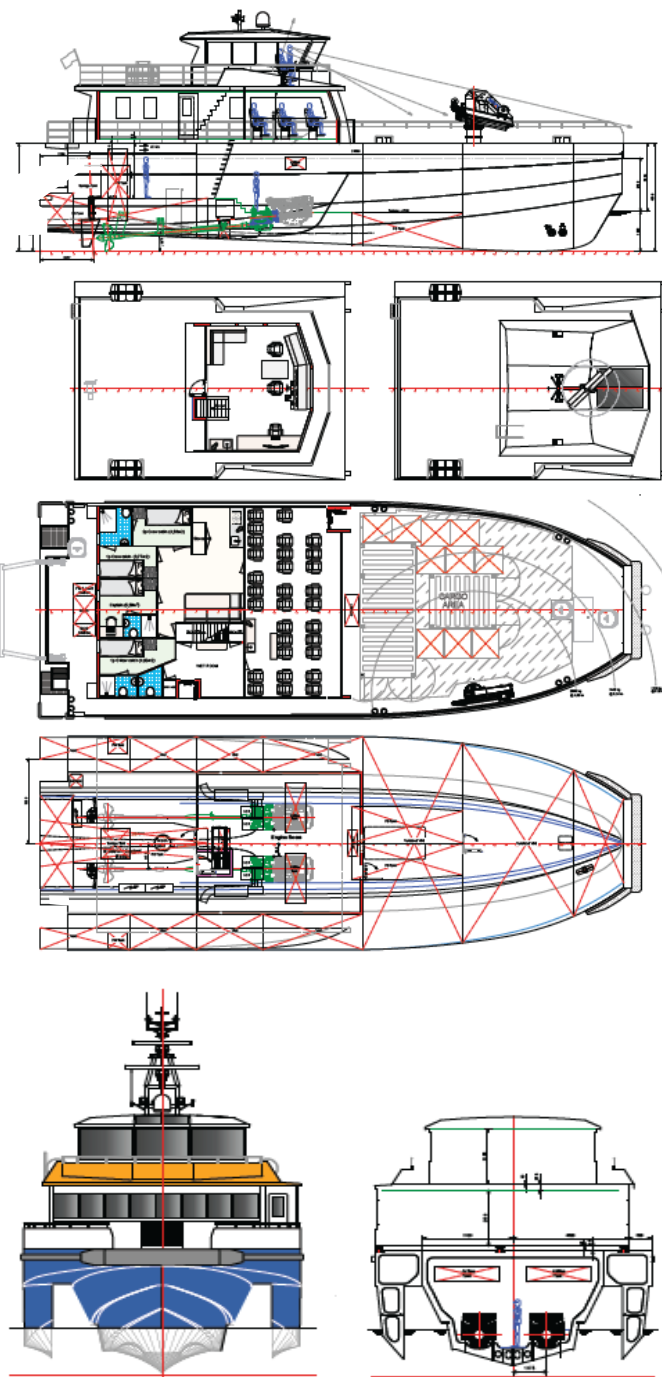
FUEL CONSUMPTION

Depending on environmental conditions and displacement.

	Speed in kts	Consumption ltr/hour/12 PAX
Maximum speed	22	530
Transit speed	20	440
Standby/Idling	0	25
At anchor	0	8

SUSTAINABLE FUELS

HVO Fuel ready when it complies to EN 15940 norm.



Some of the items in this specification are optional. Specification and general arrangement can be changed without notice. All details are verified but without guarantee.



Korte Lijnbaan 25 - P.O. Box 3 - 8860 AA Harlingen
The Netherlands - +31 (0)517 - 431 225 - chartering@seazip.com

ABOUT THE SHIP MANAGER

The management of SeaZip vessels is carried out by the JR Shipping Group in Harlingen, The Netherlands, an experienced and all-round shipping company. The shipping group operates a fleet of modern container feeders sailing under Dutch flag and JR Shipping cooperates closely with experienced maritime partners, several shipyards in the Netherlands and abroad, and renowned shipping bankers.

JR Shipping Group is an efficient, flexible organisation, offering swift and effective solutions. We combine clout in ship development with well-secured quality and safety in ship management and an eye for sustainability.
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