



MHO-Co A/S

# CTV/FSV “MHO Apollo” - 24 seats



## Vessel Specifications:

<b>Built:</b>	2021 - june
<b>Shipyard:</b>	AFAI Southern Shipyard, Guangzhou, China
<b>Flag:</b>	Danish
<b>Class:</b>	✕ HSLC Crew Battery(Power) Windfarm R1
<b>Trade area:</b>	Worldwide
<b>Length O.A:</b>	35 m
<b>Beam:</b>	11,0 m
<b>Max draft:</b>	1,60 m
<b>Air draft:</b>	13 m
<b>Bow fender height:</b>	4,2 m
<b>GT:</b>	412
<b>NT:</b>	106
<b>IMO No.:</b>	9915545
<b>Call Sign:</b>	OZIJ2
<b>MMSI:</b>	219028351
<b>E-mail:</b>	<a href="mailto:mho-apollo@mho-co.dk">mho-apollo@mho-co.dk</a>
<b>Tel:</b>	+45 xx xx xx xx
<b>Sat Phone:</b>	+45 xx xx xx xx

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Crew and IP facilities:	
<b>Crew:</b>	5
<b>Crew berths:</b>	8 x single cabins
<b>IP:</b>	24
<b>Seats:</b>	24 x Grammar xx seats
<b>Comfort:</b>	Sofa/seating in mess area
	4 x LCD TV for safety video and DVD
	WIFI throughout the vessel
	Pantry with stove, microwave, coffeemaker + kettle
	2 x public toilet + wet room with shower
<b>Wet room:</b>	Wet room with hangers and storage cabinets
<b>Storage:</b>	2 x freezers, 3 x refrigerators

Performance:		
<b>Max speed workload:</b>	15.000 l fuel:	23 kn
<b>Max speed full load:</b>	71.800 l fuel + 5 t cargo:	20 kn
<b>Range:</b>	3.800 nm	

Capacities:	
<b>Ship tanks:</b>	2 x 19.300 L, 2 x 13.700 L; 2 x 2.900 L Day tank
<b>Total fuel capacity:</b>	71.800 L
<b>Fresh water:</b>	3,400 L
<b>Sewage:</b>	2,800 L
<b>Sludge:</b>	2 x 500 L
<b>AdBlue:</b>	2 x 500 L
<b>Max cargo:</b>	With 10.000 l fuel: 57.000 kg
<b>Fwd deck area:</b>	100 m <sup>2</sup>
<b>Fwd deck area strength:</b>	2 t/m <sup>2</sup>
<b>Aft deck area:</b>	10 m <sup>2</sup>
<b>Total deck area:</b>	110 m <sup>2</sup>
<b>Container fittings:</b>	2 x 10' + 4 x 20' or 10 x 10'

Deck equipment:	
<b>Crane:</b>	AMCO VEBA 815-4S: SWL: 1.065 KG @ 10,25 m
<b>Fuelling:</b>	1 x 40 m 2" hose
<b>Pump capacity</b>	750 l/min @ 23 m / 400 l/min @ 45 m
<b>Pressure washer:</b>	High pressure washer with 40 m hose

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<b>Deck power outlets:</b>	4 x reefer plugs 380 V 4 and 5 pin
<b>Deck power outlets:</b>	4 x 220 V outlets on deck
<b>Engine equipment:</b>	
<b>Main engines:</b>	2 x Volvo D13 515kW @2250rpm
<b>Aux engines:</b>	1 x Volvo D5 Harbour Generator
<b>Propulsion Motors:</b>	2 x Danfoss EM-PMI540-T3000-2000@550kW@2250rpm
<b>Generating Motors:</b>	5 x Volvo D8 with Danfoss EM-PMI375-T1100-1800
<b>Propulsion:</b>	4 x Volvo IPS 30
<b>Battery:</b>	Dolphin Power 5 x 78kWh, design life 10 years, <ul style="list-style-type: none"> <li>- Max. voltage 640Vdc, Minimum voltage 480Vdc.</li> <li>- Capable of 8 hours st. by.</li> </ul>

<b>Navigation equipment:</b>	
<b>Radar:</b>	Furuno FAR-1518-BB ARPA radar
<b>Radar:</b>	Furuno DRS-4D-NXT
<b>ECDIS:</b>	2 x Transas Navi-sailor 4000 full ECDIS
<b>Chart plotter:</b>	Furuno TZT12F with radar overlay
<b>VHF:</b>	2 x Furuno FM-8900S
<b>VHF:</b>	Motorola DM-4400E with P-channels
<b>MF/HF:</b>	Furuno FS-1575
<b>AIS:</b>	Furuno FA-170
<b>Sat Compass:</b>	Furuno SC-130
<b>Magnetic compass:</b>	Lilley & Gillie MK2020S
<b>GPS:</b>	Furuno GP-170
<b>Echo sounder:</b>	Furuno FE-800
<b>Nav tex:</b>	Furuno NX-700A
<b>EPIRB:</b>	2 x Ocean Signal EPIRB 1 PRO
<b>SART:</b>	1 x Ocean Signal S100
<b>Speed log:</b>	Furuno GS-100
<b>Autopilot:</b>	Simrad AP-70
<b>Anemometer:</b>	Lilley & Gillie 2050 MKII
<b>Motion dampening:</b>	Humphree Active Ride control

<b>Bridge control:</b>	
<b>Manoeuvring:</b>	Volvo IPS “DP0” system
<b>Manoeuvring stations:</b>	1 x main station and 1 x back-up station on bridge
<b>Manoeuvring stations:</b>	2 x wing stations with joystick

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<b>Navigation lights:</b>	DHR60 LED navigation lights
<b>Monitoring:</b>	CCTV with 24 cameras and 10 days storing
<b>BNWA:</b>	Furuno BR-500 Bridge watch alarm

## Charterer facilities:

<b>On bridge:</b>	1 desk with workstation
	Sofa area
	Refrigerator, sink, coffeemaker and kettle