

GRANSPORT 45 RR

MANGUSTA



**PETREL GLOBAL SHIPS
& BOATS TRADING LLC**

Office 621, 6th Floor Block A, Business Village.
Port-Saeed Deira, Dubai UAE
www.petrel-global.com, tel.: +971 52 821 6411

GRANSPORT 45 RR

TECHNICAL DATA

Type	Fast Displacement twin screw luxury motor yacht with central waterjet booster
Hull Material	Hull and Superstructure made out of Aluminium 5083 .
LOA, m	45.30
Beam, m	8.60
Draught, m	2.20
Fuel tank, l.	54,000
Water tank, l.	8,000
Engines 2 x Volvo IPS	1 050(1 350)
Generator	2 X KOHLER 400VAC - each 80 kW capacity
Cruising speed, knots	20
Max speed, knots	26
Cabins	1 OWNER SUITE + 2 VIP DOUBLES + 1 TRIPLE + 1 TWIN (with bunk beds)
Main Engines Power	3 x MTU 16V2000 M96L ~ 2600HP (1939kW) @ 2450 RPM
RANGE AT 12 KNOTS	~ 4200 NAUTICAL MILES



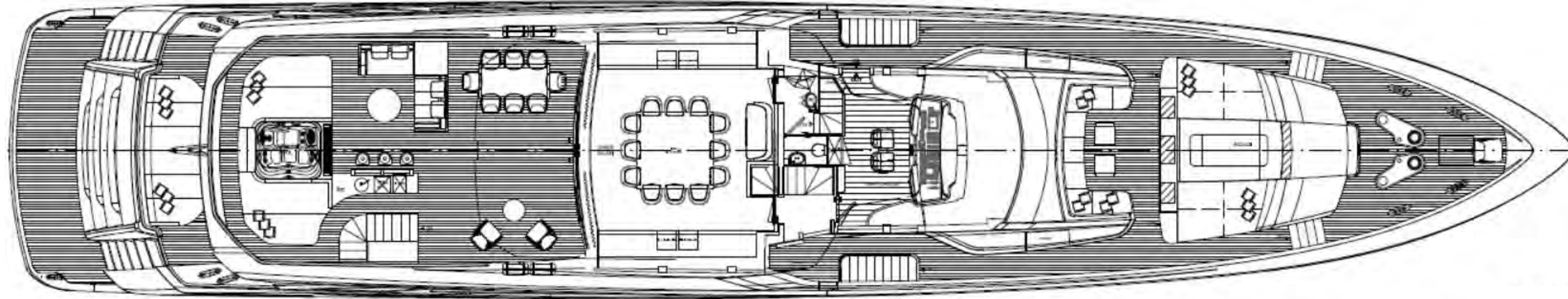
LAYOUT

GRANSPORT 45 RR

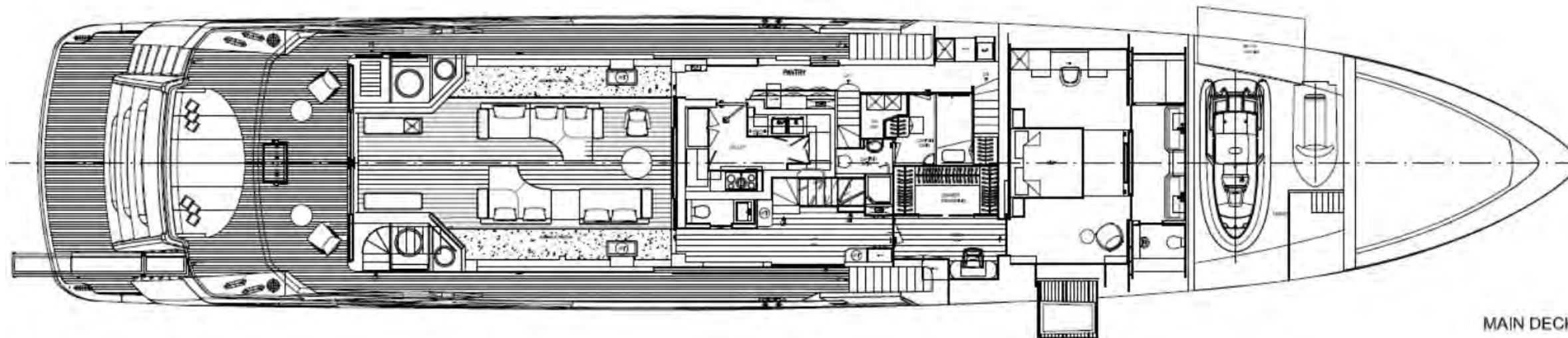




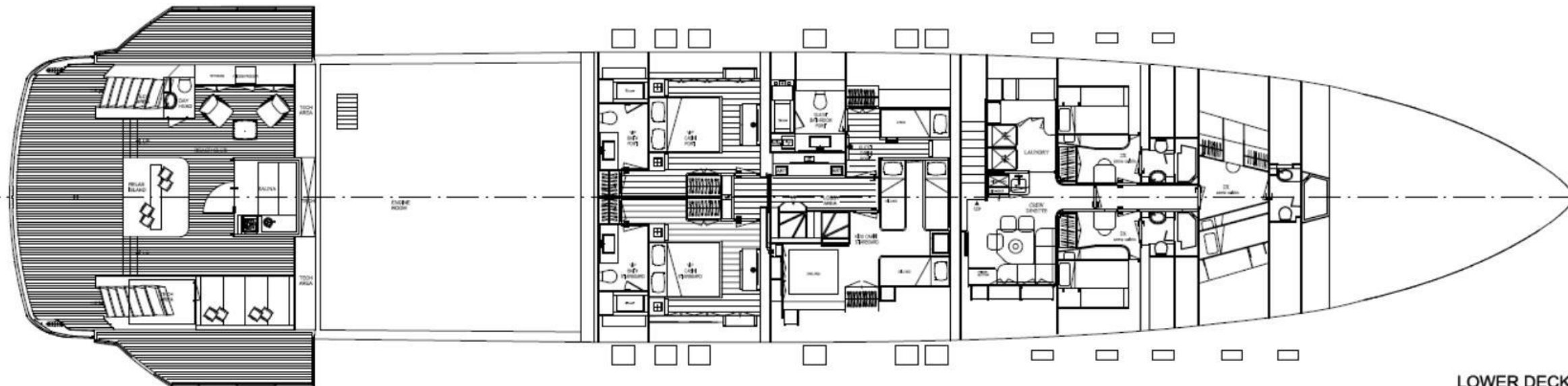
LAYOUT



UPPER DECK



MAIN DECK



LOWER DECK





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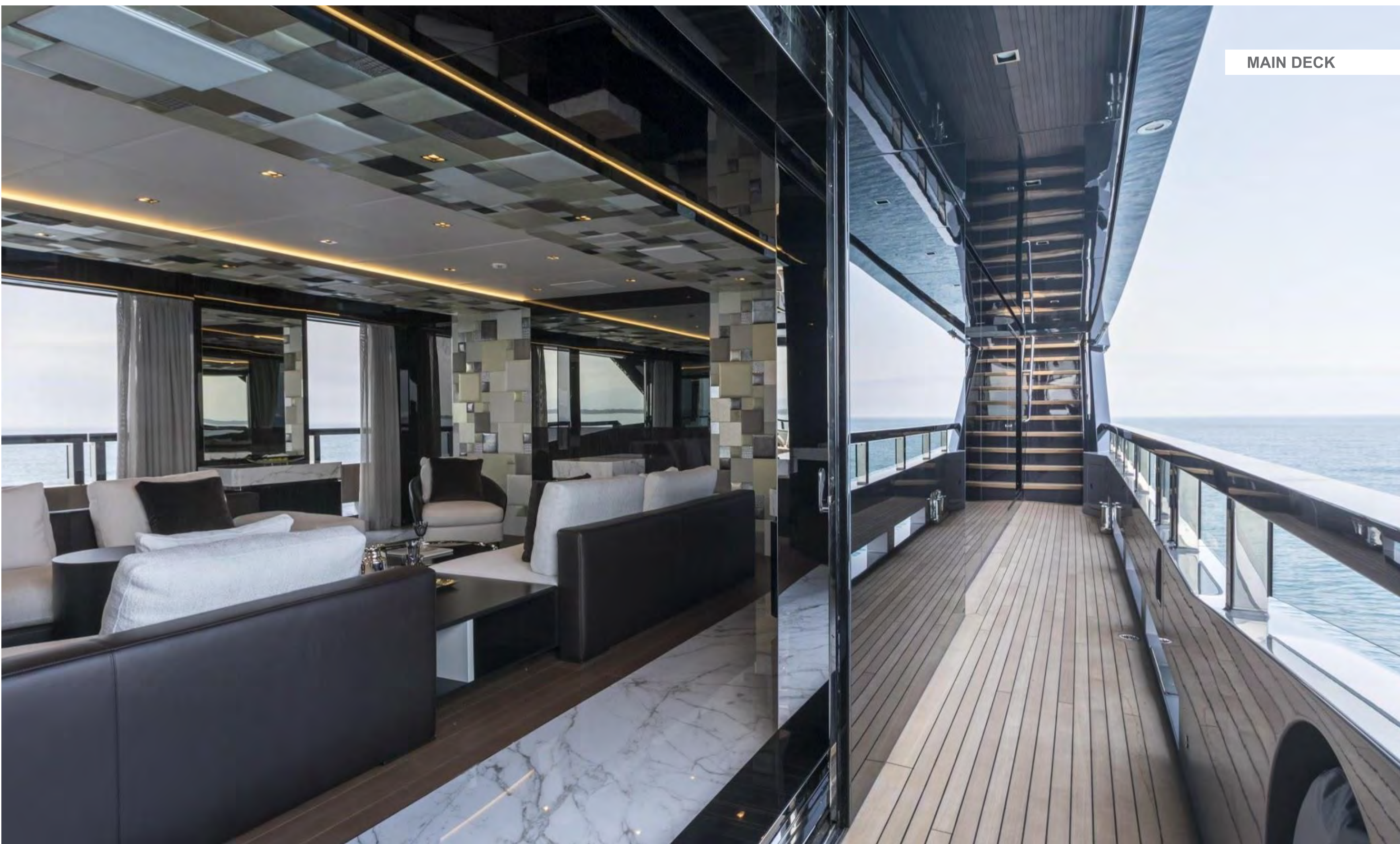
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SPECIFICATION

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POWER SYSTEM

- Three MTU 16V2000 M96L, 1939kW 2600Hp @ 2450 rpm.
- Two free standing Gearboxes ZF 5350 with a reduction ratio selected in accordance to FPP supplier.
- One flange-mounted reduction gears ZF model 5050 with a reduction ratio selected in accordance to Water Jet supplier.
- Two water-lubricated propeller shafts with 5 blades high skew propellers, diam. ~1,4m
- 1x KAMEWA S63-4 steerable waterjet
- Hydraulic steering system
- 2x KOHLER marine generators, each 80 kW, 400VAC/3ph/50Hz
- Electric Bow Thruster – 75kW 400V/3ph/50Hz
- CMC MARINE zero-speed and underway electric fin stabilizers

FRESH WATER SYSTEM

- Water pressure system: 2x el/pumps Gianneschi P&B / ACB332
- Hot water circulation system: 2x el/pumps Gianneschi Z30 230V/50Hz
- Hot water Expansion tanks: 2x Gianneschi 20Lt
- 2x Steel Boiler Gianneschi 150Lt/each / heating element 1.5+1.5kW
- Reverse Osmosis Water maker 2x Idromar / MC 3J Duplex, 360 lt/h
- Fresh water sterilization system Idromar
- 1x Water softener Idrofast Idromar
- 1x Silver Ion/Chlorine dosing station Idromar
- 1x Active Carbon Filter
- 1x UV Sterilizer
- 1x mesh Filter 10 Micron;

BLACK/GREY WATER EQUIPMENT

- Grey Water “interface collecting tanks”: Planus Prolift 1x every 2/3 bathrooms with wasting pump 230VAC
- Discharge pump: 1x Gianneschi MVI60 400VAC/3ph/50Hz
- Grease Trap: 1x DVZ FAT TRAP 1200 Mini - 400VAC/3ph/50Hz
- SELMAR Blue Sea 7000 Plus Sewage Treatment Plant

BILGE/FIRE-FIGHTING SYSTEM

- 2x pump Gianneschi P&B ACB 531- A – 400VAC/3ph/50Hz
- 1x Emergency Pump (Diesel Fire-fighting Pump) outside Engine Room.
- Electric remote operated valves
- Bilge Level Alarms
- Vacuum and pressure gauges
- A bilge water separator fitted in the engine room
- Aerosol System in accordance with the requirements of the Classification Society
- Clean Oil Pump: 1x Gianneschi FQ25 230V/50Hz
- Dirty Oil Pump: 1x Gianneschi FQ25 230V/50Hz

FUEL SYSTEM

- Main engines and generators drawing “purified” fuel from day tanks. Fuel Purifying System NFV KFWA 2 supplied by MTU

COMPRESSED AIR SYSTEM

- Compressor: 1x KAESER SX4
- Air Tank: 1x 92Lt (Main System)
- Air Tank: 1x 24Lt (Emergency)
- Horn – Kahlenberg T2

NAVIONICS

- N° 03 HD 24T22 MMD
- N° 02 HD 19T22 MMD
- N° 01 MAXSEA NAVIGATION PC ECS
- N° 01 GP170 FURUNO DGPS WHEELMARK APPROVED
- N° 01 GP33 FURUNO DGPS WHEELMARK APPROVED
- N° 01 SIMRAD CG80 –GYROCOMPASS –WHEELMARK APPROVED-IMO
- N° 01 HR80 REPETER GYRO AR80
- N° 01 PG500 HEADING SENSOR FLUXGATE BACKUP
- N° 01 FURUNO RADAR ARPA #1# X BAND FAR-2218 WHEELMARK APPROVED IMO
- N° 01 FURUNO ANTENNA RADIATOR ASS. XN20AF 6.5FT
- N° 01 FURUNO RADAR ARPA #2# X BAND FAR-2218 WHEELMARK APPROVED - IMO
- N° 01 FURUNO ANTENNA RADIATOR ASS. XN12AF 4.5FT
- N° 01 FURUNO NAVIGATION ECHOSOUNDER WHEELMARK APPROVED
- N° 01 FURUNO TRANSDUCER 50B-6B PLASTIC
- N° 01 FURUNO DOPPLER SPEEDLOG SYSTEM WHEELMARK APPROVED DOPPLER SPPED LOG FURUNO DS80
- N° 01 FURUNO TRANSDUCER WITH 20M CABLE DS-820-20
- N° 01 WIND TRANSDUCER FI-5001
- N° 01 AP70 AUTOPILOT
- N° 01 AC80A AUTOPILOT PROCESSOR
- N° 01 QS80 Non-Follow Up remote that integrates with the AP70
- N° 01 FURUNO AIS TRANSPONDER CLASS A FA-170
- N° 02 FURUNO VHF DSC CLASS A – IMO FM8900 S
- N° 01 FURUNO SSB HF/MF GMDSS CLASS A -WHEELMARK APPROVED IMO
- N° 01 FURUNO NAVTEX NX700
- N° 01 FURUNO FELCOM18 INMARSAT-C MES 1SET
- N° 01 MAIN PANEL & PROCES.UNIT BR-510/520-E-10
- N° 01 INTERCOM SYSTEM PHONOTECH CIS 3100
- N° 01 E-NAV ISMART

EQUIPMENT

WHEELHOUSE

- N° 02 FURUNO FI70 DISPLAY DATA REPETER

WING STATION

- N° 02 FURUNO FI70 DISPLAY DATA REPETER
- N° 01 SIMRAD VHF/AIS RS90
- N° 01 SIMRAD HS90 REMOTE HANDSET
- N° 01 SIMRAD HS90 REMOTE HANDSET

CREW MESS / DINETTE

- N° 01 FURUNO FI70 DISPLAY DATA REPETER
- N°01 FURUNO RB8900 FULL FUNCTION REMOTE HANDSET WITH DISPLAY
- N° 01 ALARM PANEL BR-540
- N° 01 9001 - INDOOR UNIT, WALL MOUNTED

CAPTAIN CABIN

- N° 01 ALARM PANEL BR-540
- N° 01 FURUNO FI70 DISPLAY DATAREPEATER

GARAGE

- N°01 FURUNO RB8900W FULL FUNCTION REMOTE HANDSET WITH DISPLAY
- N° 01 9052 - SUB STATION

ENGINE ROOM

- N° 01 9003 - SUBSTATION FOR HEADSET

CCTV EQUIPMENT

- N° 08 AXIS CAMERA PTZ P5512E (2 X AFT DECK, 4 X ENGINE ROOM, 1 X ARCH REAR VIEW, 1 X GARAGE)
- N° 01 AXIS MINIDOME PTZ (1 X BEACH AREA)
- N° 01 CCTV SERVER VIDEORECORDER NEXTWORK NXVISION R16-S1 (IP CCTV SERVER, UP TO 8 IP CAMERAS, WEB ACCESS, 1 TB RAID1 DISK SPACE)
- N° 01 MONITOR 15" HATTELAND HD 15T22 MMD CREWMESS
- N° 01 CONTROL KIT FOR CCTV
- N° 01 CAMERA BROADCAST MODULE
- N° 02 CONTROL STATION 1 X CREW MESS, 1 X BRIDGE

NETWORKING

- N° 02 CISCO SG 350-28P, 24 PORTS 10/100/1000 MBPS
- N° 01 CISCO SG 350-52P, 24 PORTS 10/100/1000 MBPS
- N° 10 WIFI ACCES POINT RUCKUS R-610
- N° 01 PEPLINK PEPWAVE BR-1 MK2-LTEA 4G ACCESS ROUTER
- N° 01 SERVICE SELECTOR NXGATE 3800
- N° 01 HARBOUR 2.4 GHZ UBIQUITI BM2HP

SAT ANTENNA

- N° 01 KVH TV8
- N° 01 KNS Z10 MK4

UPPER DECK SALON HI-FI

- N° 01 TV 65" SAMSUNG RU7400 UHD 4K
- N° 01 JM LAB CUBE EVO
- N° 05 JM LAB IW 1002 SPEAKERS
- N° 01 A/V RECEIVER DENON AVR X-4500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

MAIN DECK HI-FI

MAIN DECK SALON

- N° 02 TV 65" SAMSUNG RU7400 UHD 4K HDR (MIRRORING)
- N° 04 JM LAB IW 1002 SPEAKERS
- N° 01 JM LAB CUBE EVO
- N° 01 A/V RECEIVER DENON AVR X-4500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

OWNER CABIN

- N° 01 TV 50" SAMSUNG RU7400 UHD 4K HDR
- N° 01 JM LAB CUBE EVO
- N° 05 JM LAB IW 1002 SPEAKERS CABIN
- N° 01 A/V RECEIVER DENON AVR X-4500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

OWNER BATHROOM

- N° 03 SONANCE VP66R SST/SUR (PORT BATH, STARBOARD BATH, HAMMAM)
- N° 03 VOLUME CONTROL PLATE

LOWER DECK HI-FI

BEACH CLUB

- N° 01 HARMAN CROWN DCi 4|300 AMPLIFIER
- N° 04 JAMES FXCQ820R WATERPROOF LOUDSPEAKERS ROUND
- N° 01 JAMES M1000 MONO SUB AMPLIFIER
- N° 01 JAMES 800PTM 8" Marine PowerPipe Subwoofer
- N° 01 SEALUX HD AUDIO CLIENT
- N° 01 YAMAHA AIRPLAY MUSIC CAST WXAD-10
- N° 01 APPLE IPAD MINI 5 64gb silver



EQUIPMENT

PORT GUEST CABIN

- N° 01 TV 32" NU5370 Full HD Smart TV
- N° 02 FOCAL 100 IW6 SPEAKERS
- N° 01 A/V RECEIVER DENON AVR X-3500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

GYM AREA

- N° 02 FOCAL 100 IW6 SPEAKERS
- N° 01 A/V RECEIVER DENON AVR X-3500H
- N° 01 SEALUX HD AUDIO CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

VIP PORT CABIN

- N° 01 TV 43" UHD 4K RU7400
- N° 02 FOCAL 100 IW6 SPEAKERS
- N° 01 A/V RECEIVER DENON AVR X-3500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

VIP STBD CABIN

- N° 01 TV 43" UHD 4K RU7400
- N° 02 FOCAL 100 IW6 SPEAKERS
- N° 01 A/V RECEIVER DENON AVR X-3500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

CREW AREA HI-FI

CREW MESS

- N° 01 TV 43" UHD 4K RU7400
- N° 02 FOCAL 100 IW6 SPEAKERS
- N° 01 A/V RECEIVER DENON AVR X-3500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

CREW CABIN (PORT/STBD/FORE CABIN)

- N° 01 BEATS PILL

CAPTAIN CABIN

- N° 01 TV 32" NU5370 Full HD Smart TV
- N° 01 A/V RECEIVER DENON AVR X-3500H
- N° 02 FOCAL 100 IW6 SPEAKERS
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

EXTERIOR AREA HI-FI

TECHNICAL SPACE

- N° 02 ECLER MIMO 8X8 AUDIO MATRIX

FORE DECK

- N° 01 HARMAN CROWN DCi 4|300 AMPLIFIER
- N° 06 JAMES FXCQ820R WATERPROOF

LOUDSPEAKERS ROUND

- N° 01 JAMES M1000 MONO SUB AMPLIFIER
- N° 01 JAMES 800PTM 8" Marine PowerPipe

Subwoofer

- N° 01 SEALUX HD AUDIO CLIENT
- N° 01 YAMAHA AIRPLAY MUSIC CAST WXAD-10
- N° 01 APPLE IPAD MINI 5 64gb silver

UPPER DECK AFT

- N° 02 TV 55" UHD 4K RU7400 (MIRRORING)
- N° 01 HARMAN CROWN DCi 4|300 AMPLIFIER
- N° 06 JAMES FXCQ820R WATERPROOF

LOUDSPEAKERS ROUND

- N° 01 JAMES M1000 MONO SUB AMPLIFIER
- N° 01 JAMES 800PTM 8" Marine PowerPipe

Subwoofer

- N° 01 A/V RECEIVER DENON AVR X-3500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

MAIN DECK AFT

- N° 01 TV 50" SAMSUNG RU7400 UHD 4K HDR
- N° 01 HARMAN CROWN DCi 4|300 AMPLIFIER
- N° 06 JAMES FXCQ820R WATERPROOF LOUDSPEAKERS ROUND
- N° 01 JAMES M1000 MONO SUB AMPLIFIER
- N° 01 JAMES 800PTM 8" Marine PowerPipe Subwoofer
- N° 01 A/V RECEIVER DENON AVR X-4500H
- N° 01 SEALUX HD/3D A/V CLIENT
- N° 01 APPLE IPAD MINI 5 64gb silver

INTERIOR INVENTORY LIST

- N° 24 DINNER PLATES
- N° 24 SOUP PLATES
- N° 24 DESSERT PLATES
- N° 24 COFFEE CUPS AND SAUCERS
- N° 24 TEACUPS AND SAUCERS
- N° 02 BIG SALAD SERVICE BOWLS
- N° 02 SMALL SALAD SERVICE BOWLS
- N° 02 ROUND PLATTERS
- N° 02 DEEP PLATTERS
- N° 01 CAKE PLATE
- N° 01 SUGAR BOWL
- N° 01 CREAMER
- THERMOS
- CHAMPAGNE BUCKET
- ICE BUCKET
- SALT & PEPPER
- OIL & VINEGAR

GLASSES

- N° 24 WATER GLASSES
- N° 24 RED WINE GLASSES
- N° 24 WHITE WINE GLASSES
- N° 24 CHAMPAGNE FLUTES
- N° 24 WHISKY GLASSES
- N° 24 LONG DRINK GLASSES



CUTLERY SAMBONET SKIN

- N° 24 DINNER KNIVES
- N° 24 DINNER FORKS
- N° 24 DINNER SPOONS
- N° 24 FISH FORKS
- N° 24 FISH KNIVES
- N° 24 DESSERT FORKS
- N° 24 DESSERT SPOONS
- N° 24 COFFEE SPOONS
- N° 02 SERVICE SET (SERVICE FORK AND SERVICE SPOON)
- N° 01 CAKE SERVER

MISCELLANEOUS

- N° 50 COAT HANGERS
- CHROME OR GOLD BINS (1 PER BATHROOM)

OUTSIDE LINEN

- N° 12 BEACH TOWELS

TABLE LINEN

- N° 02 TABLECLOTH
- N° 02 SET OF PLACE MAT

LINEN FOR CABINS SET OF BED LINEN (2 PER BED):

- N° 01 SET = FITTED SHEET, FLAT SHEET, PILLOWCASE, BEDSPREAD OR FITTED SHEET, 1 DUVET, DUVET COVER
- N° 01 BED PROTECTION
- N° 01 PILLOW PER PERSON

SET OF TOWELS (2 PER PERSON):

- N° 01 SET = BATH TOWEL, FACE TOWEL, BIDET TOWEL, HAND TOWEL
- N° 01 BATHROBE PER PERSON
- BATH RUGS

CREW LINEN

SET OF BED LINEN (2 PER BED):

- N° 01 SET = FITTED SHEET, 1 DUVET, DUVET COVER, PILLOWCASE, BED PROTECTION

SET OF TOWELS (2 PER PERSON):

- N° 01 SET = BATH TOWEL, FACE TOWEL, BIDET TOWEL
- 1 PILLOW PER PERSON
- BATH RUG

EXCLUSIONS

- WATER SPORT EQUIPMENT
- DIVING EQUIPMENT
- STATIONERY
- DECORATIVE ITEMS PAINTINGS, SCULPTURES, PICTURE FRAMES AND PICTURES, AND VALUABLE OBJECTS AND/OR PRECIOUS MATERIALS.
- CREW UNIFORMS
- CHART, PILOTS, ALMANACS, CHART TABLE INSTRUMENTS, BINOCULARS ETC
- COMPUTERS
- TOOLS
- SPARE PARTS
- CLEANING TOOLS AND ACCESSORIES
- ANY OTHER ITEM NOT INCLUDED IN THE SPECIFICATIONS

OPTIONAL EXTRAS FITTED

- VESSEL CONSTRUCTION IN COMPLIANCE WITH MCA (LY3) CODE
- TENDER: WILLIAMS DIESELJET 565 WITH 195HP. YANMAR DIESEL IN-BOARD ENGINE
- MULTIPLEX AWNING SYSTEM: FOREDECK AND UPPER DECK
- SATELLITE TV SYSTEM: KVH TV8
- SATELLITE COMMUNICATION: KNS Z10 MK4
- STEAM SHOWER (HAMMAM) IN OWNER'S BATHROOM
- N° 16 UNDERWATER LIGHTS
- E-NAV THERMAL CAMERA
- VIDEO ON DEMAND SYSTEM: SEALUX CENTRAL SERVER WITH 8TB INTERNAL STORAGE
- CCTV SYSTEM WITH 8 CAMERAS AND SERVER STORAGE
- FULLY AUTOMATIC SIDE BALCONY IN OWNER'S SUITE
- SLIDING SIDE DOORS PORT AND STARBOARD IN MD SALOON
- WATERJET JOYSTICK CONTROL WITH DYNAMIC POSITIONING
- ADDITIONAL JACUZZI ON UPPER DECK AFT
- SAUNA IN BEACH CLUB
- SAFE BOX IN EACH CABIN
- CIGAR HUMIDOR IN MD SALOON
- CUSTOM EXTERIOR PAINT SCHEME



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