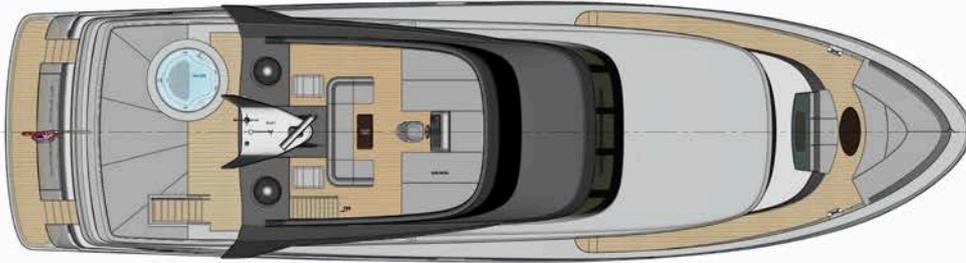


# FIFTH OCEAN - 28



*Guido de Groot* design

D			
C			
B			
A			
1	15 APR 2012	ORIGINAL ISSUE	
FIFTH OCEAN - 28			
GENERAL LAYOUT & OUTBOARD PROFILE			
YARD	FIFTH OCEAN	DRAWN	NO. 191
SCALE	1:50	DATE	15 APR 2012
		NO.	GA-100

**SPECIFICATIONS**

**GENERAL**

THREE DECK, TWIN ENGINE DISPLACEMENT MOTOR YACHT WITH BULBOUS BOW ,  
DESIGNED FOR WORLDWIDE CRUISE. STEEL HULL WITH ISOLATED ALUMINUM  
SUPERSTRUCTURE

**NAVAL ARCHITECTURE:**

STYLING: GUIDO DE GROOT  
 INTERIOR DESIGN: GUIDO DE GROOT  
 CLASSIFICATION: BV, \* HULL & MACHINERY CHARTER YACHT SA  
 UNRESTRICTED  
 REGULATIONS: MCA LY2, COLREG REGULATIONS 1972 EDITION  
 AND AMENDMENTS, MARPOL REGULATIONS 73/78  
 AS FAR AS APPLICABLE  
 FLAG: ISLE OF MAN

**MAIN DIMENSIONS**

LENGTH OVER ALL: 28,30 M  
 LENGTH WATERLINE: 25,65 M  
 BREADTH MOULDED: 7,60 M  
 DRAUGHT (FULLY LOADED): 1.80 M  
 GROSS TONNAGE: < 500  
 TANK CAPACITY FUEL OIL: 30.240 L  
 LUBE. OIL: 100 L  
 DIRTY OIL: 100 L  
 FRESH WATER: 3.750 L  
 BLACK & GREY WATER: 3.500 L  
 MAXIMUM SPEED: APP. 14,0 KN  
 CRUISING SPEED: APP. 12,0 KN

**PROPULSION**

MAIN ENGINES: 2X CAT C 12 ACERT  
 526 KW @ 2300 RPM EACH  
 PROPELLERS & PROPELLER 2X PROPELLER SHAFTS WITH FIXED PITCH  
 SHAFTS: 5 BLADED HIGHLY SKEWED PROPELLERS  
 STABILIZERS: ABT TRAC ZERO SPEED STABILIZATION SYSTEM  
 BOWTHRUSTER: ABT HYDRAULIC APP. 75 KW

**SHIPS SYSTEMS**

BILGE / FIREFIGHTING: 2X BILGE PUMPS  
 1X EMERGENCY BILGE PUMP (DIESEL DRIVEN)  
 1X BILGE WATER SEPARATOR  
 FUEL: 1X ALFA LAVAL OR EQUAL FUEL SEPARATOR  
 1X BACKUP FUEL PUMP / FUEL TRIM PUMP  
 2X TRIPLE SWITCHABLE SEPAR FILTERS FOR MAIN  
 ENGINES  
 2X DOUBLE SWITCHABLE SEPAR FILTERS FOR  
 GENERATORS  
 LUBE OIL: 1X LUBE OIL EXTRACTION PUMP  
 GREY- & BLACK WATER: 1X HAMAN SEWAGE TREATMENT SUPER MINI  
 FRESH WATER: 2X G&R PUMPS WITH PRESSURE TANK  
 1X IDORMAR WATER MAKER CAPACITY 14000 L. PER  
 DAY  
 1X UV STERILIZER  
 2X CIRCULATION PUMPS  
 2 X G&R 115 L WATER HEATER

CENTRAL HYDRAULIC 2X PUMPS ON PTO MAIN ENGINE

## FIFTH OCEAN - 28

<b>SYSTEM:</b>	<b>1 X ELECTRIC POWER PACK FOR STABILIZERS &amp; AUXILIARY</b>
<b>AIR:</b>	<b>1 X COMPRESSOR 1 X KAHLENBERG T1 HORN</b>
<b>FIRE EXTINGUISHING:</b>	<b>SEA FIRE FM 200 SYSTEM FOR MAIN ENGINE SPRINKLER SYSTEM FOR INTERIOR SPACES</b>

### **AC AND VENTILATION SYSTEM**

**INTERIOR VENTILATION SYSTEM: BALANCED MECHANICAL VENTILATION SYSTEM WITH FRESH AIR SUPPLY**

**AT THE FAN COILS AND EXTRACTION IN THE SHOWER CABINS AND DAY HEADS. IN GENERAL FRESH AIR**

**SUPPLY AMOUNTS 25 M3 PER PERSON PER HOUR IN CABINS AND 6 AIR CHANGES PER HOUR FOR**

**OTHER LIVING SPACES. UTILITY SPACES WILL BE VENTILATED BY NATURAL VENTILATION.**

**ENGINE ROOM VENTILATION: MECHANICAL VENTILATION SYSTEM, LAID OUT ACCORDING ISO STANDARDS**

**AC SYSTEM: MARINE AIR CHILLED WATER SYSTEM WITH CHILLERS IN THE ENGINE ROOM, FRESH AIR MAKE-UP UNITS AND FAN COILS IN EACH CABIN AND LIVING SPACES**

### **ELECTRICAL SYSTEM**

**400/230 V 50 HZ AUTOMATIC PARALLEL SYSTEM WITH SEAMLESS POWER TRANSFER FROM SHORE TO GENERATOR POWER. FOR EMERGENCY AND NAVIGATION PURPOSES A 24V DC SYSTEM WILL BE INSTALLED.**

**GENERATORS: 2X CAT C4.4 50KW  
SHORE CONNECTION: 50 KVA SHORE MASTER**

### **NAVIGATION EQUIPMENT**

**RADAR : FURUNO  
AIS: FURUNO  
GPS (2X): FURUNO  
SPEEDLOG: FURUNO  
DEPTH SOUNDER: FURUNO  
WIND INSTRUMENTS: FURUNO  
PLOTTER: FURUNO**

### **COMMUNICATION EQUIPMENT**

**VHF (2X): FURUNO  
NAVTEX: FURUNO  
INMARSAT C: FURUNO  
PABX : PANASINIC TDA 30  
GSM: SAGEM RT 3000**

### **ENTERTAINMENT EQUIPMENT**

**GUEST AND OWNERS CABINS, MAIN SALON/DINING, UPPER DECK LOUNGE AND CREW MESS AREAS WILL BE PROVIDED WITH BOSE AUDIO EQUIPMENT AND SAMSUNG LED SCREENS.**

**THE SUN DECK, UPPER DECK AND MAIN DECK OUTSIDE AREAS WILL BE PROVIDED WITH BOSE EXTERIOR SPEAKERS CONNECTED TO THE UPPER DECK OR MAIN SALON AUDIO SYSTEM.**

**COMBINED ANTENNA FOR TERRESTRIAL RADIO AND TV RECEPTION. KVH TRACKVISION M9 SATELLITE ANTENNA WITH QUAD LNB FOR SATELLITE RECEPTION.**

## FIFTH OCEAN - 28

### PAINT SYSTEM

THE OUTSIDE OF THE HULL WILL BE GRIT BLASTED. A TWO COMPONENT PAINT SYSTEM

AWL GRIP, WILL BE APPLIED ON THE HULL AND SUPERSTRUCTURE

### EXTERIOR

#### DECK EQUIPMENT:

2X HYDRAULIC BOW ANCHOR/MOORING WINCHES WITH CHAIN, ANCHOR AND DEVILS CLAW

2X HYDRAULIC MOORING CAPSTANS ON THE AFT DECK

1X HYDRAULIC GANGWAY

#### TEAK:

ALL EXTERIOR DECKS WILL BE COVERED WITH TEAK

#### DECK

#### JACUZZI:

ON THE SUN DECK A JACUZZI WILL BE INSTALLED

### INTERIOR

#### WOODWORK:

OWNERS CHOICE IN WOOD FOR LUXURY SPACES, DECORATED FORMICA IN CREW'S QUARTERS

#### CEILINGS:

UPHOLSTERED IN CABINS AND LIVING SPACES.

PAINTED IN BATHROOMS, SHOWER CABINS AND GALLEY

#### FLOORS:

CARPET IN CABINS AND LIVING SPACES. MARBLE OR NATURAL STONE IN BATHROOMS AND SHOWER CABINS. AMTICO IN CREW

#### WASH BASINS AND TOPS:

MARBLE OR NATURAL STONE IN LUXURY SPACES, ACRYLIC IN CREW'S QUARTERS

#### GALLEY:

STAINLESS STEEL MODULAR FURNITURE WITH STAINLESS STEEL WORKTOP

#### GALLEY EQUIPMENT:

MIELE

#### COOLING & FREEZING

MIELE , U-LINE

#### EQUIPMENT:

ALL SPECIFICATIONS AND GENERAL ARRANGEMENTS AS PROVIDED IN THIS DOCUMENT ARE PROVISIONAL