



BERLITZ OFFSHORE LIMITED

70 Ubi Crescent , #02-11 Ubi Techpark
 Singapore 408570
 Tel : +65-64751928 Fax : +65-67422778
 EMAIL: mktg-dept@berlitzmarine.com



BES SOLAR

GENERAL		DECK MACHINERIES & EQUIPMENTS	
Type of Vessel	57.2m Work/ Supply/ Accommodation Hook-Up/ Offshore Support Vessel	Anchor Windlass/Type	1 x ZICOM Capacity:10-Ton @10m/min Electro-Hydraulic
Year Built	2015	Pedestal Crane	1 x ABS Classed 4 MT SWL @ 30 meters working radius
Classification	ABS A1 Offshore Support Vessel (E) AMS (SPS 2008)	Bower Anchor	2x 1590kg High Holding Power
Flag	Singapore	Anchor Chain	2x 12 Shots(330m) diameter 36mm
DIMENSION & PERFORMANCE		Tugger Winch	2x ZICOM Capacity: 10-Ton @15m/min line pull
Length OA	57.20m	Capstan	2x ZICOM Capacity:5-Ton @ 10m/min line pull
Beam Moulded	13.80m	Provision Deck Crane	1x HS Marine Crane Capacity: 2.6 Ton @ 12.2m
Depth Moulded	4.50m	Mooring Line	4x140m / 108kn PP rope
Draft Designed	3.50m	GALLEY & LAUNDRY EQUIPMENTS	
Cargo Deck Space	316m ²	Electric Cooking Range	3x Arox 4-Square Hot Plates with Oven below
GRT	1199 MT	Deep Fryer	1x Deep Fryer
NRT	359 MT	Waste Food Disposal	1x Waste Food Disposal Unit
Main Engine BHP	3,822 BHP	Washing Machine	5 x Heavy Duty Cap: 10 Kg
Trial Speed	13 Knots Approx	Dryer	5 x Heavy Duty Cap: 10 Kg
ACCOMMODATION		Electric Calorifier	1x Hova Electric Water Heater Cap:300L
Complement	50 men with SPS Code 2008	Electric Water Boiler	1x Hot Water Urn Cap: 10 litres
		RADIO, NAVIGATION AIDS & COMMUNICATION EQUIPMENTS	
Crew Cabins	. 4x1men, 3x2men, 10x 4men Cabins & Fully Air Con and TV	Satellite EPIRB	1x McMurdo 406 Hz
Survey Room	Instrument Room, Tool Room & Dark Room Fully Air Conditioned	Weather Facsimile	1x Furuno Model: FAX-480
Office / Meeting Room	Fully built-In Furniture & Air Conditioned	Anemometer	1x RM Young Model: 05103-58
Recreation Room	Fully Built-In Furniture & Air- Con ,TV,DVD and Hifi System	ARPA Radar	1x Furuno Range: 96 Nautical Miles
Gymnasium Room	Fully equipped with tension machine ,weights and rowing machine . Air-conditioned	ARPA Radar	1 x Furuno Range: 48 Nautical Miles
Sauna Room	fully function Sauna Room	GMDSS Area - A1 + A2 + A3	1x Furuno GMDSS Radio Console c/w Battery Charger, AC/DC Power Supply Units

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Sick Bay	2 x Hospital Bed	MF/HF SSB	1x Furuno GMDSS MF/HF SSB 250 Watt
Toilet / Wash Place	All cabins with attached Toilet Module	VHF Radio	2x Furuno GMDSS VHF/DSC Radio Telephone
Provision Freezer Room	1x Freezer Room at Temperature (minus 18 degree C)	ECDIS	1x Navmaster Model: 800
Provision Cool Room	1x Cool Room at Temperature (plus 4 degree C)	DGPS	2x Furuno Model: GP150
		Automatic Identification System	1x Furuno Model: FA-150
FIFI, FIRE FIGHTING & LIFE SAVING EQUIPMENTS		Inmarsat-C (SSAS)	1x Furuno Model: FELCOM 15
External Fire Fighting	1 x FFS FiFi Pump 1200m ³ /hr@ 13 bar head driven by independent Diesel Engine : Deutz	Inmarsat-C (LRIT)	1x Furuno Model: FELCOM 15
Fire Monitor	2x FFS Monitor each at 600m ³ /hr @ 12 bar	Echo Sounder	1x Furuno c/w Aft repeater
Oil Dispersant System	2x FFS Type: 8m Dispersant Boom	Gyro Compass & Repeaters	1x Simrad c/w 5 units Repeaters
Emergency Fire Pump	1x DESMI Cap: 40m ³ /hr @60m head	Auto Pilot System	1x Simrad A70
Inflatable Life Rafts	4x 25men Type: SOLAS Approved	BNWAS	1x Le Guardian Model: 2025
Rescue Boat	1x 6 person FRC complete with Diesel IBM Type: SOLAS Approved	Portable Transistorized Loud Hailer	1x SEC 15 Watt
Rescue Boat Davit	1 x Type: SOLAS Approved	Doppler Speed Log	1x Furuno Model: DS-80
Fire Fighting & Life Saving Equipments	As per Type SOLAS Approved	Magnetic Reflector Compass	1x Lilley & Gillie
Fixed CO2 System at Engine Room & Paint Store	As per Type SOLAS Approved	Navtex Receiver	1xMcMurdo Model: Smartfind
Fire Detection & Alarm System	As per Type SOLAS Approved	SART Transponder	2x McMurdo GMDSS 9 GHz
TANKS & LOADING CAPACITY		Portable 2-Way GMDSS VHF Radio	3x McMurdo Model:R2
Fresh Water	420m ³ (approx)	Portable 2-Way Intrinsically Safe VHF Radio	3x Motorola Model: GP-328
Fuel Oil	418m ³ (approx)	TV Antenna System	1 set Naval TV/FM-AM consisting of 56 TV/FM outlets
Fresh Water Ballast	250m ³ (approx)	Batteryless Telephone System	1 set Vingtor consisting of 7 units Batteryless Telephone
PROPULSION & MACHINERIES & EQUIPMENTS		Integrated Telephone/ Command System	1 set Vingtor consisting of 35 units Analogue Telephone
Main Engine	2x CAT 3512C each at 1911 Bhp @1600rpm	Public Address System	1 set Vingtor consisting of 64 units Loud Speakers & Horn Speakers.
Main Generator	3x CAT C18 ACERT each at 400Kw, 380V 3 Phase 50Hz	Satellite Communication System	1 set KVH Tracphone Model: V3 VSAT Broadband System
Bow Thruster	1x BRUNVOLL 8-Ton (CPP) Electric Motor Driven	PUMPS	
Propeller	2x 4-Bladed Nickel Aluminium Bronze	Bilge Pump	1x DESMI Cap: 60m ³ /hr @ 70m head
Steering Gear	2 x 4-Ton Torque RIQ Independent Electro Hydraulic	GS & Fire Pump	1x DESMI Cap: 60m ³ /hr @ 70m head
Emergency Generator	1x 82kw CAT C4.4 (Radiator cooled)	Ballast Pump	1x DESMI Cap: 60m ³ /hr @ 70m head
F.O Purifier	1x ALFA LAVA F.O Purifier	Fuel Oil Service Pump	1x ITUR Cap: 10m ³ /hr @ 25m head
L.O Purifier	1x ALFA LAVA L.O Purifier c/w Electric Heater	Fuel Oil Transfer Pump	1x DESMI Cap: 100m ³ /hr @ 70m head

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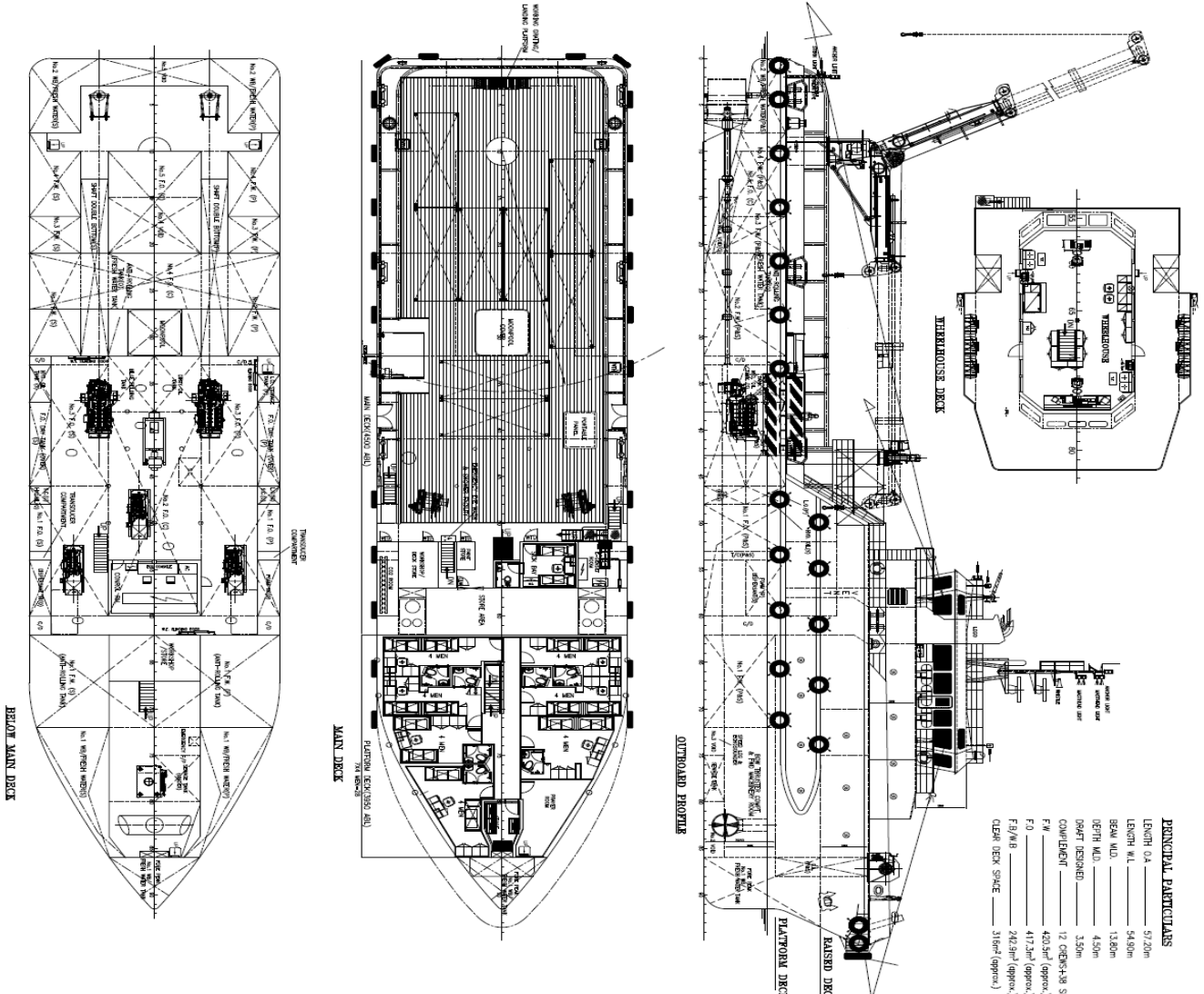
ME Gearbox	2 x Reintjes c/w Built-In Shaft Brake System.	Fresh Water Cargo Pump	1x DESMI Cap: 100m ³ /hr @ 70m head
Fresh Water Maker	2x 10-Ton Per Day	Fresh Water Pressure Set	2x MYER Cap: 3.5m ³ /hr @ 35m head c/w 300 litre pressure tank
Air Compressor	1x SPERRE 60m ³ /hr @ 30 bar	Sea Water Pressure Set	2x MYER Cap: 3.5m ³ /hr @ 35m head c/w 300 litre pressure tank
Fuel Oil Flow Meter	1x NITTO SEIKO @ 100m ³ /hr	Dirty Oil Pump	1x ITUR Cap: 3m ³ /hr @ 15m head
Fresh Water Meter	1x NITTO SEIKO @ 100m ³ /hr	Sewage Pump	1x INOX Cap: 5m ³ /hr @ 15m head
Oily Water Separator	1x BOSS Capacity: 1.0m ³ /hr	Oil Dispersant Pump	1x DESMI Cap: 40m ³ /hr @ 50m head
Main Switch Board	1x ABS Class Approved	Air Conditioning Sea Water Cooling Pump	2x DESMI Cap: 75m ³ /hr @ 22m head
Emergency Switchboard	1x ABS Class Approved	Deck Machinery Cooling Sea Water Pump	1x DESMI Cap: 15m ³ /hr @ 50m head
Sewage Treatment Plant	1x IL SEUNG Capacity: 60-men	Hot Water Circulating Pump	1x GRUNFOS Cap: 2m ³ /hr @ 35m head
MGPS	1x KC Type Marine Growth Prevention System		
H2S Gas Detection	1x H2S Gas Detection System		
Air Conditioning System	1 set Centralised Air Conditioning System consisting of 2 units Condensing Unit (1 set for 100% Standby), 1 set Single Split Air Conditioning Unit at Sick Bay (Hospital), 2 sets Single Split Air Conditioning Unit at Wheelhouse, 1 set Sea Water Cooled Packaged Air Conditioning Unit at Engine Control Room.		
Refrigerating Provision System	1 set Refrigerating Provision System consisting of 2 units Condensing Unit (1 set for 100% Standby)		
Searchlights	3x WISKA Searchlight 2000 watt c/w under deck control		
Floodlights	5x WISKA Floodlights 1000 watt		
Signaling Hand Lamp	1x ALDIS Signaling Hand Lamp c/w Battery Box		
Air Horn	1x ZOLLNER Air Horn as per COREG rules & requirements		
Clear View Screen	6 x Clear View Screen diameter 350mm		
Reefer Container Sockets	6x Reefer Sockets (3 +1 earth Pin, 32 Ampere)		

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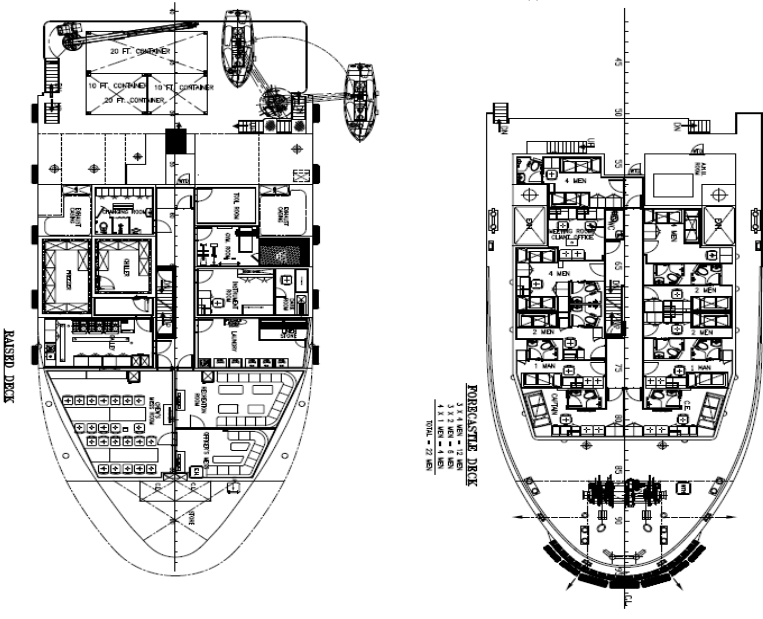
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GENERAL PARTICULARS

LENGTH O.A.	57.20m
LENGTH M.L.	54.80m
BEAM M.L.D.	13.80m
DEPTH M.L.D.	4.50m
DRAFT DESIGNED	3.50m
COVERLIFT	12 CRIBS+28 SPECIAL MOH-2 SICK BEDS
F.W.	420 sqft (approx.)
F.O.	417.3m³ (approx.)
F.W./M.B.	242.5m³ (approx.)
CLEAR DECK SPACE	316m² (approx.)



NO.	DESCRIPTION	DATE	REV.	BY	CHKD.	APPD.
1	ISSUED FOR PROVISIONS COMMENTS	09/03/04	1	SM	JZ	
2	ISSUED FOR PROVISIONS COMMENTS	10/03/04	2	SM	JZ	
3	ISSUED FOR PROVISIONS COMMENTS	11/03/04	3	SM	JZ	
4	ISSUED FOR PROVISIONS COMMENTS	12/03/04	4	SM	JZ	
5	ISSUED FOR PROVISIONS COMMENTS	13/03/04	5	SM	JZ	
6	ISSUED FOR PROVISIONS COMMENTS	14/03/04	6	SM	JZ	
7	ISSUED FOR PROVISIONS COMMENTS	15/03/04	7	SM	JZ	
8	ISSUED FOR PROVISIONS COMMENTS	16/03/04	8	SM	JZ	
9	ISSUED FOR PROVISIONS COMMENTS	17/03/04	9	SM	JZ	
10	ISSUED FOR PROVISIONS COMMENTS	18/03/04	10	SM	JZ	

STATUS	DESIGNED	DATE	REV.	BY	CHKD.	APPD.
	DESIGNED	09/03/04	1	SM	JZ	
	DESIGNED	10/03/04	2	SM	JZ	
	DESIGNED	11/03/04	3	SM	JZ	
	DESIGNED	12/03/04	4	SM	JZ	
	DESIGNED	13/03/04	5	SM	JZ	
	DESIGNED	14/03/04	6	SM	JZ	
	DESIGNED	15/03/04	7	SM	JZ	
	DESIGNED	16/03/04	8	SM	JZ	
	DESIGNED	17/03/04	9	SM	JZ	
	DESIGNED	18/03/04	10	SM	JZ	

OWNER	57.2m WORK & HOODKIP VESSEL
CLASS	400 CLASS SUPPLY & SUPPORT VESSEL
BLUCCER	400 CLASS SUPPLY & SUPPORT VESSEL
SHIP	57.2m WORK & HOODKIP VESSEL

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