



**KBM MARINE SERVICES WLL**

**PSV**

**M.V. KBM ALRAYYAN**

**"EX-PERMIT BAYU"**



**PRINCIPAL PARTICULARS**

Length Overall : 57.0 M  
 Beam Moulded : 13.6 M  
 Depth Moulded : 5.5 M  
 Draft Designed : 4.3 M  
 Summer Load Draft : 4.50 M  
 Displacement : 2182.03 tonnes  
 F.O.Capacity : 391,000 (335 tons)  
 Cargo Water Capacity : 144,000 (144 tons)  
 Pot Water Capacity : 256,000 (256 tons)  
 Detergent Capacity : 25,000 (29 tons)  
 Foam Capacity : 25,000 (28 tons)  
 Accommodation : 29 total 2x8 man, 4x2 man, 5x1 man

**MACHINERY**

Main Engine : 2 x 1500 Deutz SBV 6M628 @ 1000 RPM  
 Generator : 3 x 155kW CAT 3406 415V- 3PH-50Hz  
 Bow Thruster : 1 x 500HP CPP Ulstein Driven by CAT3412 – 540BHP @ 1800 RPM  
 Red Gears : 2 x 3.42:1 Ulstein  
 Propellers : 2 x 2300 MM, CPP Ulstein x 4 Blade  
 Steering : 2 x Electro Fwd & Aft Stations Portable Pos-con Tokyo Keiki/Ulstein

**FIRE FIGHTING**

Class : ABS FFV1-FFV3 Foam Cap  
 Pumps : 2 x 1450 m3/HR Thune Eureka  
 Speed Increaser : 2 x Rient Jes Model 630U Ratio 1:1.961 – 720 kw  
 Monitors : 2 x Double Barrel/Man & remote control  
 Cap Water : Water 1200 m3/H, Foam 300 m3/H @ 10bar  
 Spray Booms : 2 x 3M with 4 Nozzles Cap. 50 m3/HR  
 Foam Generator : 1 x Thune Eureka

**CARGO TRANS RATE**

Water : 100 M3/Hr @ 60M HD @ 1475RPM  
 Fuel Oil : 100 M3/Hr @ 60M HD @ 1475RPM  
 Bulk : 50 Tons/HR Av.

**PERFORMANCE**

Speed : 10 knots  
 Fuel Consumption : 10.2 Tons/24 hrs  
 Deck Cargo : 500 Tonnes-5 Tons/M<sup>2</sup>  
 Clear Deck Space : 340 M<sup>2</sup> - 32.5M x 10.5M  
 Bollard Pull : 34 Tonnes  
 Crash Bar : On P&S Main Deck Length 1.5 Height

**SPECIAL EQUIPMENT**

Rescue Boat : 6 Man Zodiac + 25HP Motor  
 Welding Machine : 1 x 400 Amp  
 Life Raft : 4 x 16 Person

**REGISTRATION**

Flag : QATAR  
 Port : Doha  
 Official No. : 251/08  
 Builder : MSE Shipyard Johore  
 Hull No. : 030  
 Year Built : 1986  
 Class : DNV  
 Tonnage : GRT 1109 Net 332  
 Call Sign : A7NK  
 MMSI No. : 466040000  
 Deadweight : 1096.67 tonnes  
 IMO No. : 8515922

**DECK MACHINERY**

Tugger Winch : 2 x 5 tonnes x 15m/min x 9 RPM Electro/Hyd Model KHTG 5015  
 Capstan : 2 x 5 tonnes x 10m/min x 6.4 RPM Electro/Hyd Model KHCU 7510  
 Crane : 1 x 7.14 ton @ 3m/min 1 ton @ 9.15M Electro/Hyd-Hydralift  
 Windlass : 1 x 12T x 12m/min x 8-7 RPM MDL KHWDG  
 Tow Bollard : 1 x 40 tonnes  
 Anchor : 2 x 1660 KG Stockless Anchor Type AC- 14 c/w 2 x 15 Shackle Grade 2A of 34Mmdia. Stud Link Chain-1 Spare Anchor 8 x 415V x 50Hz x 3 Phase.  
 Reefer Point

**BULK TANKS**

Tanks : 4 x 1250 FT3, 2 x 500 FT3 Space Saver Tanks  
 Control : pneumatic  
 Compressor : 1 x 850 m3/Hr Free Air c/w Water Separator (500 CFM @ 400 PSI)  
 Other Items : Separate Discharge for 2x500 tanks

**ELECTRONICS**

Auto Pilot : 1 x Tokyo Keiki  
 VHF : 2 x RT144C Sailor  
 SSB Radio : 1 x FS1500 Furuno  
 SAT NAV : 1x FSN80 Furuno  
 R.D.F : 1 x TDF-L1510 Tokyo  
 Radar : 1 x FR 1011 Furuno (Port) 1 x FR 1510 Furuno (Stbd)  
 Fathometer : 1 x ED 162 Simrad  
 Dropller Speed Log : 1 x Jln 203 J.R.C  
 Walkie Talkie : 3 Marine CH. VHF  
 Nav Tex : 1 x AX 500 Furuno

H2S / LEL System  
 Fire Central Alarm System

***This specification is subject to change without prior notification***

