



KCM PSV 80M DP-2 - VOS PRINCIPLE (3257)



GENERAL

Place of Built	Fujian Southeast Shipyard, China
Vessel Type	PSV
Year Built	2016
Flag	Gibraltar
Call Sign	ZDPO5
ERN Number	99.98.87.68
Class	RINA
Class Notation	C* - OSV - Heavy Cargo Green - Chemical Product - ORS -Flash Point 60 C FIFI Ship 1 - 1 water Spraying -Unrestricted Navigation AUT UMS -Dynapos AM/AT R-Green Plus-SPS- In-water survey

PRINCIPLE DIMENSIONS

Length Overall	80.00 m
Breadth Moulded	18.40 m
Design Draft	6.00 m
Max. Draft	6.35 m
Deadweight (Max. Draft)	3830 t
Gross Tonnage	3548 t
Net Tonnage	1196 t

MACHINERY & PROPULSION

Main Engine	2 x MAK 2400 kW
Propulsion System	Twin CPP rudder propellers/azimuth thrusters
Total power	6500 BHP
Bow Thruster	2 x 12 t (800 kW) electric driven
Main generator	3 x 550 kW diesel driven
Shaft generator	2 x 1,500 kW M/E driven
Emergency generator	130 kW diesel driven

PERFORMANCES

Fuel consumption @ 12 Knots	About 13 MT per day
Fuel consumption @ 10 Knots	About 11 MT per day
Fuel consumption @ 8 Knots	About 8 MT per day
Fuel consumption in port	About 1 MT per day
Fuel consumption in DP mode	About 6 MT per day
Fuel Type	ISO 8217: 2005 DMA or later revisions

CARGO CAPABILITIES

Fresh water	730 m ³ -100 m ³ /hr @ 80 m head
Drill water / W.B.	1442 m ³ -100 m ³ /hr @ 80 m head
Fuel Capacity (100%)	860 m ³ - 150 m ³ /hr @ 80 m head
Liquid Mud / Brine / ORO	817 m ³ -2 x 75 m ³ /hr @ 80 m head
Dry Bulk	228 m ³ - 20 m ³ /min (compressors)
Base Oil / Glycol	175 m ³ - 50 m ³ /hr @ 80 m head
Foam	27 m ³
Detergent	27 m ³
Clear deck space	750 m ²
Deck Cargo	1500 t
Deck Loading	7 t/m ²
Fresh Water Maker	2 x 10 t per day

COMMUNICATIONS EQUIPMENT

HF Radio	1 x Furuno Model RC-1800T
VHF Radio	1 x Furuno FM-8800S
Portable two-way VHF	3 x McMurdo model R2 GMDSS
Satellite EPIRB	1 x McMurdi model SMARTFINDE5
Navtex Receiver	1 x Furuno NX-700A (GMDSS)
SART	McMurdo S4 rescue SART
Automatic Identification System (AIS)	1 x Furuno FA-150

POSITIONING REFERENCE SYSTEM

Radar No. 1	1 x Furuno FAR-2117-D, X-band
Radar No. 2	1 x Furuno FAR-2137S-D, S-band
GPS	2 x Furuno, GP-150
Echo Sounder	1 x Furuno FE-700
Auto Pilot	1 x Anschutz Pilot Star D
Gyro Compass	3 x Anschutz Gyro Compass
Magnetic Compass	1 x Magnetic Compass standard 22
Joystick Control	Kongsberg cJoy system
ECDIS	1
Dynamic Positioning	Kongsberg DPS-2
Reference System 1	DGPS DPS 112
Reference System 2	DGPS FUGRO Seastar 9025
Reference System 3	CYSCAN

DECK MACHINERY

Deck Crane	3 t SWL @ 10m
Tuggers	2 x 10 t @ 24 m/min
Capstans	2 x 10 t @ 25 m/min

LIFE SAVING APPARATUS

Life rafts	6 x 25 man and 2 x 5 man
Rescue Boat	1 x 6 man rescue boat with 25HP OBM
Scrambling Nets	1 on each side of rescue zone

EXTERNAL FIRE FIGHTING

Capacity	Fifi Class 1 - 2400 m ³ per hr
Monitor	2 x 1200 m ³ per hr
Throw length/height	120 m / 50 m

ACCOMMODATION

Passengers	38
Crew	14
Total	52
Hospital	yes

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