



VOS PRINCIPLE

Platform-supply vessel

KCM 80M DP-2

Vessel number 3257

GENERAL

Flag	Gibraltar
Year built	2016
Place built	Fujian South East Shipyard, China
Class	RINA, C - OSV - heavy cargo green - chemical prod - ORS - flash point 60C - fire-fighting ship- 1 - water-spraying - unrestricted navigation, AUT-UMS, Dynapos AM/AT R-Green Plus, in-water services, SPS
Call sign	ZDPO5
ERN number	99.98.87.68
Vessel type	Platform Supply Vessel

PRINCIPAL DIMENSIONS

Length overall (LOA)	80 m
Breadth moulded	18,40 m
Design draft	6 m
Maximum draft	6,35 m
Net tonnage	1,196 t
Gross tonnage	3,548 t
Deadweight	3,830 t

MACHINERY & PROPULSION

Main engine	2 x MAK 2,400 kW
Propulsion system	Twin CPP rudder propellers/azimuth thrusters
Total BHP	6,500 BHP
Bow thruster	2 x 12 t (800 kW) electric driven
Main generator	3 x 550 kW diesel driven
Shaft generator	2 x Leroy Somer 1,230 kW main engine driven
Emergency generator	95 kW diesel driven

PERFORMANCE

Fuel consumption at 12 knots	abt 13 mt/day
Fuel consumption at 10 knots	abt 11 mt/day
Fuel consumption at 8 knots	abt 8 mt/day
DP mode	abt 6 mt/day
In port	abt 1 mt/day
Fuel type	ISO 8217: 2005 DMA or later revisions

EXTERNAL FIRE-FIGHTING

Capacity	Fifi Class 1 - 2,400 m ³ per hr
Monitor	2 x 1,200 m ³ per hr
Throw x height	120 m x 50 m

LIFE-SAVING EQUIPMENT

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

CARGO CAPABILITIES

Fresh water	730 m ³ - 100 m ³ /hr at 80m head
Drill water / W.B.	1,442 m ³ - 100 m ³ /hr at 80m head
Fuel capacity (100%)	860 m ³ - 150 m ³ /hr at 80m head
Liquid mud / brine / ORO	817 m ³ - 2 x 75 m ³ /hr at 80m head
Dry bulk	228 m ³ - 20 m ³ /min (compressors)
Base oil / glycol	175 m ³ - 50 m ³ /hr at 80 m head
Foam	27 m ³
Detergent	27 m ³
Clear deck area	750 m ²
Deck cargo	1,500 t
Deck loading	7 t/m ²
Fresh water maker	2 x 10 t per day

COMMUNICATIONS EQUIPMENT

HF radio	Furuno model RC-1800T
VHF radio	Furuno FM-8800S
Portable VHF radio	3 x McMurdo model R2 GMDSS
Satellite E.P.I.R.B.	McMurdo model SMARTFIND E5
Navtex receiver	Furuno NX-700A (GMDSS)
SART	McMurdo S4 rescue SART

NAVIGATION EQUIPMENT

Radar no. 1	Furuno FAR-2117-D, X-Band
Radar no. 2	Furuno FAR-2137S-D, S-Band
GPS	2 x Furuno GP-150
Echo sounder	Furuno FE-700
Auto pilot	Anchutz Pilot Star-D
Gyro compass	3 x Anschutz gyro compass
Magnetic compass	magnetic compass standard 22
Joystick control	Kongsberg cJoy system
ECDIS	1
Dynamic position system	Kongsberg DPS-2
Automatic Identification System (AIS)	Furuno FA-150
Reference system 1	DGPS DPS 112
Reference system 2	DGPS FUGRO Seastar 9025
Reference system 3	Cyscan

DECK EQUIPMENT

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

ACCOMMODATION

Crew	14
Passengers	38
Total	52
Hospital	1

30/01/2023

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