



M/V Pacific Kestrel

- ▶ **Brake Horsepower** 15442 BHP
- ▶ **Knots Speed** 40
- ▶ **Cargo Space** 200 m2
- ▶ **Seating Capacity** 90 passengers

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General Information

Port of registry:	Limassol
Built:	Austal, Philippines, November 2016
Flag:	Cyprus
Call Sign:	5BNJ4
IMO No.:	9782065
Classification:	DNV-GL +1A1 HSLC Crew Fire fighter(Capability) DYNPOS(AUTR) R1

Dimensions

Length, overall:	57.60 metres
Length, BP:	53.90 metres
Breadth, moulded:	12.50 metres
Depth, main deck:	4.50 metres
Design draft:	2.17 metres
Maximum draft midship:	2.50 metres
GT:	816
NT:	245
Length between P.P.:	57.6 metres
Breadth:	12.5 metres
Draft minimum:	1.7 metres
Draft maximum:	2.5 metres (with Thrusters lowered)

Capacities

Deadweight (maximum):	160 tonnes
Clear Deck Area:	230 m2
Deck Strength:	5t/m2
Deck Cargo:	100 tonnes
	30 x lashing points for securing of 10ft and 20ft containers
Ship Fuel:	100 m3 total at 100% capacity
Potable Water:	20 m3 total
Potable water production:	10 m3 per day

Machinery

Main Engines:	4 x MTU 16V4000 M73L, 2880 kW each = 11520 kW (15442 BHP)
Propulsion:	4 x Hamilton HT810 waterjets
Azimuth Thruster:	2 x ZF 150 kW (2 x 201 BHP) Retractable Azimuth Thrusters
Auxiliary Generators:	2 x Caterpillar C18, 350ekW each

Deck Machinery

Capstans:	2 x forward and 2 x aft mounted reversible hydraulic capstans
Windlass:	1 x Muir SD450 anchor windlass and 1 x 460kg anchor
Bow Mooring:	2 X 7 tonnes bollards
Smit Towing Bracket:	Towing bollard 19.7 tonnes
Crane Capacity:	1 x 1T at 5m Palfinger stores crane

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Electronics

Main Radar:	1 x X Band Radar - Furuno FAR-2117BB
Auxiliary Radar:	1 x S Band Radar - Furuno FAR-2137BB
Auto Pilot:	1 x Navitron NT888G
Gyro Compass:	3 x Tokyo Keiki TG-8500
Magnetic Compass:	1 x Cassens & Plath
Echo Sounder:	1 x Furuno FE-800
DGPS :	1 x Furuno GP-170
Anemometer :	3 x Gill Ultrasonic Wind Sensors
Speed Log:	1 x Furuno DS-80
Communications:	1 x Furuno FS-1575 MF/HF/DSC Radio System
Watch System:	1 x Furuno BR-500
ECDIS:	1 x Furuno ECDIS FMD -3200BB Dual ECDIS
Navtex Receiver:	1 x Navtex NX-700A
Weather Fax:	1 x Furuno FAX-408
Satellite Communication:	FBB: Sailor 500 VSAT: Sailor 900
AIS:	1 x Furuno FA-170
Satellite Navigation:	1 x Furuno GP-170
Voyage Data Recorder(VDR):	1 x Furuno VR 7017
VHF:	2 X Furuno FM-8900
Electronic Chart Display:	1 x Furuno FMD-3200BB Dual ECDIS
VRU:	3 x VRU's
BNWAS:	1 x Furuno BR-150

Performance

Speed / Fuel Consumption:	Approximately 3.0m3/hr at 100% MCR Minimum 604 nautical miles at 90% MCR on main tanks Minimum 2000 nautical miles at 20 knots
Full Speed:	40 knots at 90% MCR, 1.7m draft
Economical Speed:	17 knots at 52% MCR, 1.9m draft
In Port:	Generator 40 litres per hour

Dynamic Positioning

Type:	Rolls Royce Marine Icon System – DYNPOS AUTR
Reference Systems:	2 x MDL Fanbeam laser systems 2 x Veripos LID5 DGPS systems
Control Modes:	JSAH, JSMH, DP, Matrix Mode
Joystick:	1 x Rolls Royce Marine Poscon

External Fire Fighting

Capacity:	2 x 1500 m3/hr pumps – PTO driven by propulsion engines
Monitors:	2 x 1200 m3/hr
Throw Length:	120 m minimum

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Throw Height:	50 m at a distance of 70 m
Drenching System:	Installed on superstructure for self-protection

Standby Rescue Equipment

1. Rescue zone on main deck port and stbd side fitted with Jason's cradle
2. Standby Rescue: 150 persons
3. 1 x Maritime Partner Weedo 600RB, 15 persons, SOLAS approved FRB with inboard diesel waterjet.

Anti-Pollution

Dispersant Tank:	5.0 m ³ (2 x 2.5 m ³ tanks)
Spray Booms:	Internal pipework installed for future installation of dispersant pump and dedicated booms

Accommodation

Berths:	8 x 1 man cabins with ensuite bathroom 6 x 2 man cabins with ensuite bathroom 20 berths total 1 x Messroom/TV lounge for crew
Passenger Area:	90 x passengers seated Snack Bar 4 x TV entertainment system

Environmental Features

1. 1 x Oily Water Separator.
2. 1 x Sewage Treatment Plant.

Miscellaneous

1. 1 x Treatment Room for stretcher laydown in event of medevac.
2. Ride Control System utilising active interceptors for better ride quality.
3. Night Navigator HSC night vision system.
4. CCTV system throughout internal spaces.
5. 1 x HPR tube built into the hull for installation of acoustic reference system.
6. 4 x Marine Evacuation Systems.
7. Main deck sized and prepared for installation of client supplied heave compensated walk to work gangway system.
8. Fixed H₂S Gas Detection System.
9. 2 x Reverse Osmosis Water Makers - 5 m³/day each.