



High Speed Crew Catamaran - Pacific Kestrel

The K Class is a high-speed crew catamaran which provides a safe and cost-efficient transport alternative for the offshore energy industry. Equipped with state-of-the-art equipment for enhanced navigational capabilities, the catamaran is fitted with a DP2 DYNPOS AUTR system for accurate station-keeping during passenger transfers offshore. This Class is designed to carry and use motion compensated gangways to facilitate offshore personnel transfer (including emergency evacuations) in a fast, easy and safe manner. The catamaran is FIF1 capable and is powered by a water jet propulsion system with a four-engine configuration generating 11,520 kW (15,442 bHP), allowing a speed of up to 40 knots. Manned to operate 24/7, she can safely transport up to 90 passengers and carry deck cargo up to a maximum weight of 100 t.

The K Class vessels are:
Pacific Kestrel

Top Features	Key Specifications
<ol style="list-style-type: none"> 1. Designed to accommodate a Walk-to-Work (WTW) access system. 2. 90 seats with individual seatbelts for passengers' safety. 3. Marine Evacuation System (MES). 4. Accommodation for 20 persons. 	<ul style="list-style-type: none"> • Free Deck Area - 230 m² • Brake Horsepower - 15442 bHP • Knots Speed - 40 kts • Seating Capacity - 90 passengers



General Information	
Vessel Name	Pacific Kestrel
Built	Austal, Philippines, November 2016
Flag	Cyprus
Call Sign	5BNJ4
IMO No.	9782065
Classification	
Class Notation	DNV-GL +1A1 HSLC Crew Fire fighter(Capability) DYNPOS(AUTR) R1
Dimensions	
Length (LOA)	57.6 m
Beam	12.5 m
Summer Draft	2.17 m
Deadweight @ SummerDraft	160 t
GT	816
Deck Capacities	
Deck Load Capacity	100 t 30 x lashing points for securing of 10 ft and 20 ft containers
Deck Strength	5 t/m ²
Free Deck Area	230 m ²
Length x Width	23 x 10 m
Tank Capacities	
Fresh Water	20 m ³
Ship Fuel Total	100 m ³
Propulsion / Bollard Pull	
Main Engines	4 x MTU 16V4000 M73L, 2880 kW each = 11520 kW (15442 bHP)
Thrusters	2 x ZF 150 kW (2 x 201 bHP) Retractable Azimuth Thrusters

Propulsion	
Propulsion Thruster	4 x Hamilton HT810 waterjets
Performance & Economy	
Economical Speed	100% Engine load = 71.56 m ³ /day @ 37kts 85% Engine load = 59.66 m ³ /day @ 33kts 65% Engine load = 34.41 m ³ /day @ 20kts
Standby in Port	Generator 40 litres per hour
Dynamic Positioning System	
Type	Rolls RoyceMarine Icon System – DYNPOS AUTR
Reference Systems	2 x MDL Fanbeam laser systems 2 x Veripos LID5 DGPS systems
Motion Reference Units	3 x Tokyo Keiki TG-8500 3 x Gill Ultrasonic Wind Sensors
Rescue Boat	
1. 1 x Maritime Partner Weedo 600RB, 15 persons, SOLAS approved FRB with 2. Standby Rescue: 150 persons	
Accommodation	
Person Capacity	Total 20 8 x 1man cabins & 6 x 2man cabins Passenger Area: 90 x passengers seated

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