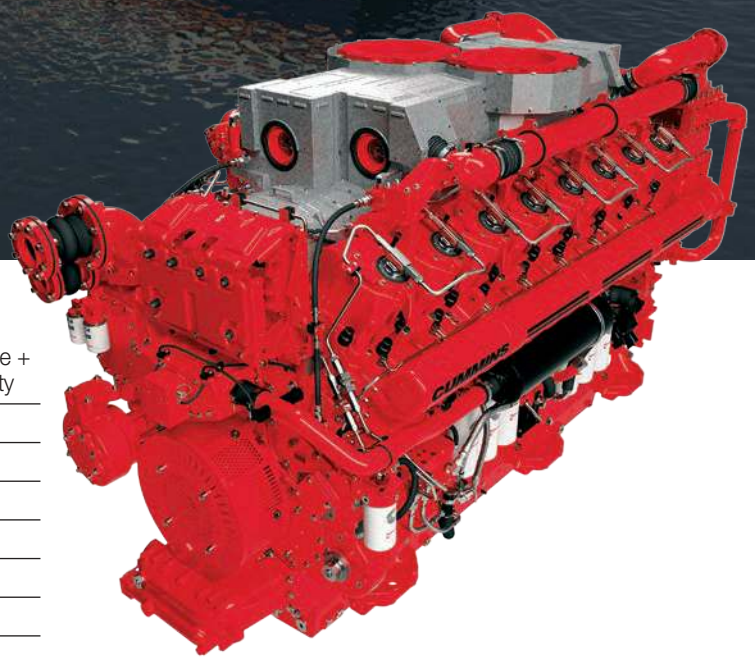
Power Profile.

SEACOR Puma – High Speed Catamaran



Vessel Specifications

Class	A1 HSC Crew Boat Restricted Service + AMS + DPS2 + Fire Fighting Capability	
Length Overall	187.82 ft	57.25 m
Length BP	176.00 ft	53.64 m
Beam	41.00 ft	12.50 m
Depth	14.33 ft	4.37 m
Light Draft	5.74 ft	1.75 m
Loaded Draft	8.79 ft	2.68 m
Summer Freeboard	6.51 ft	1.98 m
Lightship	315.78 Lt	Lt 320.85 Mt
Fuel Oil	25,437 USG	96.3 m^3

Performance:

Maximum Speed	40 Knots
Cruising Speed	35 Knots

Electronics and Controls

Engine/Gear Controls	Hamilton Jet

Machinery:

Main Engines	4 – Cummins QSK95 Rated 4000 hp IMO Tier II Engines
Brake Horsepower	16,000 hp
Reduction Gears	4 – Twin Disc MGX-62500SC-H
Ratio	2.111:1
Propulsion	4 – Hamilton Jet HM810
Generators	2 – Paralleling Cummins QSM11 290 Kw
Deck Generator	1 – Cummins QSM11 270 Kw

Additionally, the sea-keeping qualities afforded by the twin hulls ensures that the passengers will have a very fast and comfortable ride."

Cummins 95-Liter Powered SEACOR Catamaran.

When there is a better idea in crew boat design, it is likely that Louisiana-based SEACOR pioneers it. This has been the case with catamaran boats, with SEACOR taking delivery of their first dual-hulled fast-supply boat, the SEACOR Cheetah, in 2008, and again when they had the SEACOR Lynx and Leopard built in 2013. Each of these CrewZer Class boats carried more cargo with more horsepower than their single-hulled predecessors.

In 2017, SEACOR has moved innovation up another important notch with the delivery of the second of their latest CrewZer Class-DP2 high-speed catamarans, the SEACOR Puma and SEACOR Panther. With four 4000-hp engines, the Puma has significantly more horsepower than her predecessors. This horsepower is delivered by four of Cummins Marine's newest marine engine. The QSK95 marine engines are each rated at 4000 hp (2983 kW) at 1700 rpm. Each 95-liter engine is matched to a MGX-62500SC-H marine transmission supplied by Twin Disc, Inc.® and quad HT-810 water jets from Hamilton Jet,® to achieve a maximum speed of 40 knots. The two forward engines will run Jason® FiFi 1 class pumps off the front of the engine.

The design of these two new 188 by 41-foot (57.25 by 12.5-meter) vessels is very similar to the last two catamarans to join the SEACOR fleet. However, the Cummins QSK95 engines represent an increase in power. "These engines afford us with additional horsepower over the previous catamarans propulsion machinery," said SEACOR's Joe McCall. He went on to explain that, "The mission of these vessels will be the same as the previous catamarans to deliver time sensitive cargos and passengers at greater speeds than a typical crew boat.

Cummins is also providing auxiliary power; each vessel will have two QSM11-powered generator sets rated at 290 kWe, as well as a fully enclosed QSM11-powered deck generator rated at 270 kWe.

The twin hulls also allow for a huge 3,084 square foot (286.5 sq. meters) clear cargo deck capable of handling 200 tons of freight. Tankage is provided in the hulls for 25,437 U.S. gallons (96.3 cu. meters) of fuel oil and 6,870 U.S. gallons (26 cu. meters) of potable water. Crew accommodation includes 16 berths in eight cabins as well as a galley and mess area with seating for 15 people.

Built at Astilleros Armon in northern Spain, the two new boats add to an already significant list of innovative vessels delivered from the company's three shipyards. The SEACOR Puma and SEACOR Panther were built in an enclosed facility at the company's Burela location.

The enhanced seating that is fitted in the passenger salon allows up to 138 passengers to rest in first class comfort or they can choose from the various amenities available to them, such as satellite TV, Wi-Fi or snacks from the refreshment area. The vessel is fitted with a hospital, so it can also fulfill the role of medical evacuation platform if the need should arise.

The SEACOR Puma entered service in April, and the SEACOR Panther followed in July 2017.

Cummins Inc.
4500 Leeds Ave., Suite 301
Charleston, SC 29405
U.S.A.

Phone: 1-800-CUMMINS™ (1-800-286-6467)
Internet: cumminsengines.com

Twitter.com/CumminsEngines
YouTube.com/CumminsEngines

Bulletin 5410814 Printed in U.S.A. 9/17