BUILDERS COMMENTS

ENGINEERING EXCELLENCE

Access to the heavy duty coated engine room with acoustic and thermal insulation and LED lighting is via a deck hatch from the cockpit or through a watertight door from the versatile utility area. It's here that you will really begin to appreciate the careful consideration for which Riviera is renowned globally in terms of its engine rooms.

The impressive commercial air intake system helps to keep the engine room temperature well below the engine manufacturer's formal recommendation, reducing fuel consumption even further, while the air-conditioning units are mounted high so gravity feeds condensation water into the common drain lines located on either side of the yacht and which drain aft and overboard.

All onboard drains also feed into these common drain lines while the advanced mist elimination system with veins draws moisture from the air and feeds directly overboard. Four automatic bilge pumps with manual override are located at various points throughout the hull and also pump directly overboard.

ELECTRICAL EXCELLENCE

All batteries on board the 6000 Sport Yacht Platinum Edition are maintenance-free to ensure carefree boating and are housed in special battery boxes in accordance with American Boating and Yacht Council (ABYC) and the European Union's CE industry standards.

The 6000 has two starting battery banks comprising two batteries per bank for the port and starboard engines. The house battery bank comprises six batteries, and there are two batteries in the auxiliary bank. Individual alternators for each battery bank ensure charging systems are optimized while underway and an emergency parallel function provides increased reliability, just in case you are ever faced with a flat start battery bank. All battery banks are isolated at the main battery panel in the utility room.

The house power is 24-volt, which allows for simpler charging, lower current draw and smaller cables (further reduced weight) than equivalent 12-volt systems. The Mastervolt AC-DC inverter (5kW 230V 50HZ/4kW 110V 60HZ) provides power to the icemaker, entertainment systems and all outlets onboard, ensuring watching television while relaxing quietly at anchor is whisper-quiet.

LED lights provide trouble-free boating while reducing electrical current draw. The lamps use less than 10 per cent of the power required to run a halogen lamp no bulbs means no maintenance and long service life. Additionally, Residual Current Device/Ground Fault Circuit Interrupter (RCD/GFCI) provides protection over the entire yacht and also complies with ABYC and CE standards for safer boating.

CZONE SIMPLICITY

The fully integrated CZone digital switching system enhances the ease of monitoring and operation of the Riviera 4600's onboard systems, including tanks, and extends centralized touch screen control to lighting, pumps, batteries, entertainment systems and appliances. CZone allows owners to operate multiple circuits at a single touch, energizing all lighting and electrics depending on your requirements. It comes pre-programmed with three modes - 'Entertaining', 'Cruising' and 'Dock-unattended' - and these modes can be customized. Other user-friendly features include interior light-dimming, timer controls, automated circuit control, wiper speed and wash functions. There's also a 'service' mode that shuts down all power and systems.

Based on industry-proven Controller Area Network (CAN) technology, the CZone system offers DC and AC switching and over-current protection. Full systems monitoring (with alarms) including AC voltage, current frequency and kilowatts, DC voltage, current and remaining battery capacity, along with fluid tank levels and indication for systems in operation, is clearly displayed on the touch screen at the saloon entrance. There's also the option of additional iPad connectivity so you can control CZone from anywhere onboard your yacht.