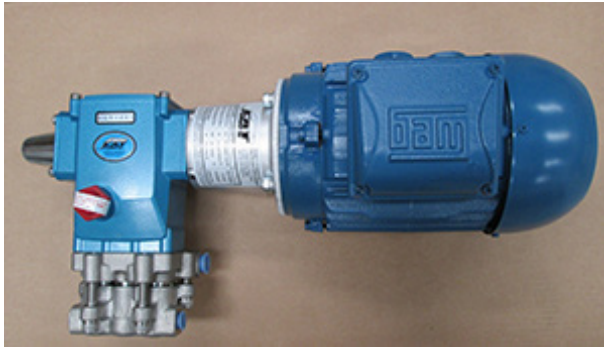




Private Boat - Case Study



Case Study Information

Customer	Private Boat
Location	Germany
Enquiry Received	4th September
Order Placed	10th September
Order Dispatched	16th October

Equipment Supplied:

1 x Plunger pump for Reverse Osmosis

Supply includes -	3CP1221 pump, motor, flexible coupling & bellhousing.
Motor	1.1 kW 6 Pole 400/2/50 IP55 TEFC
For use in an indoor safe area	
Pump Duty	8.8 L/min
Liquid	Sea Water
Temperature	Ambient
Inlet	c2 meters head is recommended
Drive	0.9 kW absorbed power at a pump speed of approximately 960 rpm

Enquiry:

- ✓ We were contacted by an owner of a private boat who was installing a reverse osmosis system aboard their vessel. They required a high pressure pump for the system to convert sea water into fresh water. The pump was needed to transfer sea water at a duty of 8.8 L/min at 35 Bar.

Solution:

- ✓ Castle Pumps has a wealth of experience with reverse osmosis systems; we have access to a high quality brand of plunger pumps that are widely used for reverse osmosis systems. We selected a stainless steel plunger pump fitted to a 1.1Kw 6 pole motor to achieve the required duty of 8.8 L/min at 35 Bar.