

Data Sheet PR d

# HYDRAULIC POWER UNIT DC REVERSING

Manufactured specifically for marine autopilot steering applications, the range of gear pumps are suitable for 12 or 24 volt systems. Innovative development over the last 25 years has produced the latest generation of quiet, efficient pumps. Every pump is fitted with check valves as standard and can be used with balanced or unbalanced cylinders. Selected by leading autopilot manufacturers the compact versatile pumps can steer vessels up to 18 metres.

## Description

The reversing pumps are available in 0.6, 1.0, 1.5, 2.0 and 2.5 litre per minute flows. The gear form has been selected to give minimum noise with maximum performance up to 55 bar. Pilot check valves fitted as standard; these pumps come with a protective coating designed especially for the salt laden atmosphere of the marine environment.

## **Application**

Designed specifically for the marine autopilot market, these 12 or 24 volt d.c. pumps are used on sailing or powerboats. They can be used with balanced or unbalanced cylinders. Due to their low noise they can be used for other applications such as window and door openers. Internal relief valves are a further option.

#### **Features**

5 pump sizes. 12 and 24v d.c. option. Low power consumption.

Quiet operation.

Zero back drive.

Compact.

Relief Valve option

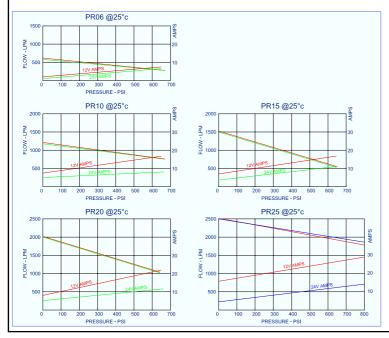
Replaceable brushes.

Service kits available.

G1/4 (BSP) ports (NPTF adapter kits available).

Cylinders and hose kits supplied to suit.

Easy installation.





#### **Technical Data**

#### **Performance**

Maximum pressure 55 bar
Temperature rating minimum -20°c
Temperature rating maximum +55°c

### **Electrical**

12Vdc or 24Vdc Motor voltage Motor output 100 watt Motor output 24-180 180 watt Maximum cont. current 12V 22.5A Maximum cont. current 24V 18A Maximum cont. current 24-180 11A Rotation Reversing Orientation + to red P to A

Protection IP55
Connection 2 core flying lead

#### **Recommended Oil**

Mineral based hydraulic ISO VG10 – ISO VG42
Ambient below 0 deg ISO VG15
Ambient 0 to 35 deg ISO VG22
Ambient above 35 deg ISO VG32

#### **Materials**

Body Aluminium

Seals

Body coating

Weight

BS1490

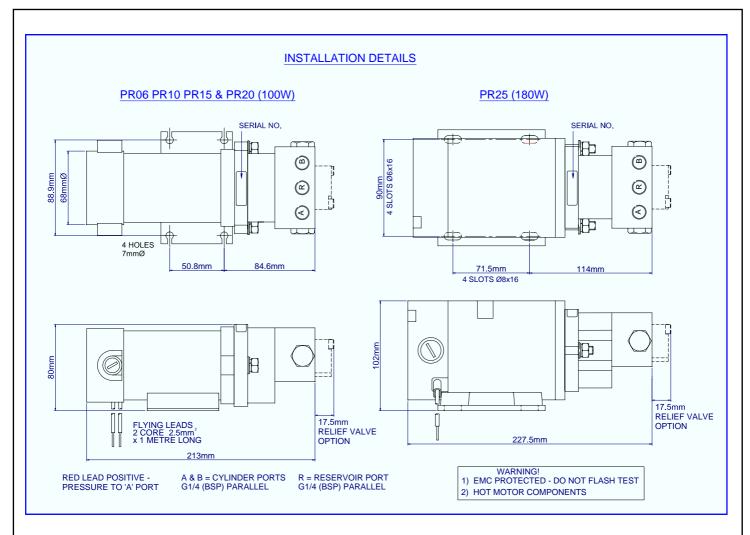
Nitrile

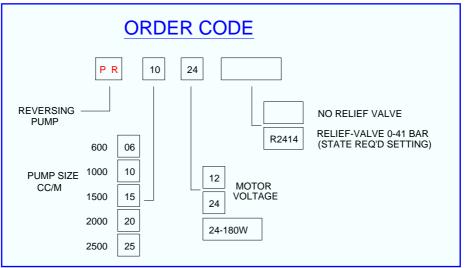
SP230

PR10 3kg

PR25 4kq







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