



Water & Sewage
Pumping and
Treatment Engineers

The Pump People.

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General Characteristics

The AMOS PM46 and PM81 are peripheral electric powered pumps offering a comparatively high head of over 50 metres at a low to medium flow. Minimum heads are 5 metres. They can be fitted with a vidia seals giving high temperature capability up to 80 degrees C.

Their main use is clean water distribution and pressure boosting, they can be easily fitted with flow or pressure switches, or the 'PressControl' unit for automatic operation. Their duties include; mist propagation units in horticulture; domestic water supply in country cottages; shower boosting; pressure boosting in individual machines in industry, laundry or catering.

Construction Features

Motors - Both models 230v, 1ph, 50Hz
Motor Casing-Aluminium type Mec 63, IP 45,
Paint-Black electrophoretic, Screws-Stainless Steel,
RPM 2800, Insulation Class F.
PM46 0.7 HP (0.66 kW) Amps 2.8 Capacitor-12uF, 450VAC

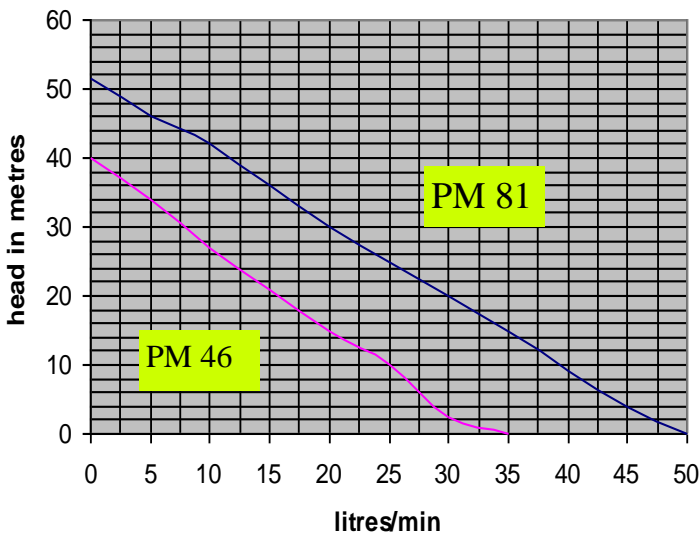
PM81 1.2 HP (0.75 kW) Amps 5.5 Capacitor-20uF, 450VAC

Pumps - Both models Impeller-Brass 58, Pump body-Brass 58, Drive shaft-Stainless Steel AISI 416.
Mechanical Seal-Carbon Ceramic 40 degrees C, Vidia seal 80 degrees C.

PM 46 & PM 81 Peripheral Pumps



Hydraulic Chart of PM 46 & PM 81 Pumps



Plumbing Specifications

Suction 1" Female B.S.P. horizontal, non-self priming (foot valve required). Delivery—1" Female B.S.P. vertical.

PM81

Overall height 169
Overall width 155 mm
Overall length 273 mm
Weight 9.4 kg

PM46

Overall height 160 mm
Overall width 124 mm
Overall length 235 mm
Weight 5.4 kg

Manufacturers reserve the right to change specifications without prior notice

Leaflet PM46-81-a-March 10

Visit our website for details of our full range of pumps and accessories. www.amospumps.co.uk

PressControl

With the addition of a PressControl device the pump will automatically start when the pressure drops to below 1.5 bar and stops the pump when the flow stops.

It is suitable for shower boosting, small boosting jobs on industrial machines and is fitted onto our Break Tanks.



Pressure Sets

Fitted with either a PM46 or PM81 they are able to give "mains pressure" in small closed water systems.

They are suitable for the water supply of caravans, flats, small irrigation systems or small spray systems such as humidity control.



Break Tanks

Amos Break Tanks consist of a PM46 with PressControl fitted on to a polythene tank with a ball valve inside.

The 10 litre tank is specially designed for category 4 Risk Areas as specified in the Water Supply Regulations 1999, our 40 litre tanks meet the category 5 Regulations such as laundry machines or endoscope washers.

Both also provide a convenient water storage and pump set to boost the supply in poor pressure

