



Applications:

- ▶ power units for operating small and mid-sized hydraulic clamping systems
- ▶ suitable for both single-acting and double-acting cylinders

Description:

These power units are supplied as compact units ready for connection:

Complete with motor, pump, tank, connector block, pressure gauge, pressure switch, solenoid valves and, on request, electrical control systems, all packaged for upright positioning. Pump with three radial pistons, direction of rotation optional.

The power unit operates intermittently under automatic pressure control, i.e. when the set pressure is reached the motor is automatically switched off. If pressure drops 10% below the set value the pressure switch causes the motor to start again.

Additional pressure switches can be supplied to protect the machine. These switches are set so as to stop the machine if clamping pressure drops by more than 15%.

Special features:

- ▶ Compact, lightweight design
- ▶ Power unit supplied ready for installation
- ▶ Modular system enables individual schemes
- ▶ Valves closed in clamping position, preventing pressure loss in the event of power failure
- ▶ Plug-in type remote control pendant
- ▶ Optical oil level sighting
- ▶ Automatic switching off in the event of a lack of oil or increased oil temperature.





The service we offer you

In addition to the cost effectiveness of our products, our customers also benefit from our efficient service.

Our service includes

- preparation and installation of hydraulic systems to suit specific applications
- manufacture, installation and commissioning of complete hydraulic systems
- repair and maintenance of hydraulic cylinders, clamping elements and power units supplied
- trouble-shooting and repair on the customer's premises
- constant repair service and fast response on our premises

All over the world our service is ready to act and to guarantee immediate help.

Specially trained, experienced staff make sure that problems are solved rapidly and proficiently.

You can rely on it!





**Power units
with large displacement**



Technical data

Max. flow	4,2 l/min.
Max. operating pressure	400 bar
Tank volume	9 l
Oil port	G 3/8
Hydraulic fluid	Hydraulic oil HLP 46 to DIN 51524
Motor voltage	380-420 V/50 Hz/3~
Motor rating	2,2 kW
Type of valve	Seat valves, leak proof, max. 500 bar
Solenoid voltage	24 VDC
Protection	IP 54
Dimensions (LxBxH)	approx. 400 x 400 x 600 mm depending on displacement and valve design
Weight	approx. 40 - 60 kg depending on design



Technical data

Max. flow	45 l/min.
Max. operating pressure	400 bar
Other technical data will be made available during the course of the project	

Planning and installation of complete oil-hydraulic systems including complex electrical controls, designed to suit Hilma-Römheld clamping elements used by our customers. Suitable for all clamping elements used on presses, especially on power and forging presses.

Our large range of power units and clamping elements for presses enables us to meet your specific requirements.

Frame-type power unit for 3 forging presses:
12 clamping circuits with pressure reduction for temperature compensation
high pressure 4.2 l/min., 400 bar
cooling return flow: 45 l/min., 10 bar

