

Power pack type UHMZ 5/H

WK 213 475

 $V = 5 dm^3$

 $p_{max} = 16 \overline{MPa}$

 $Q = 1.6 \text{ cm}^3/\text{rev}$

04.2008

APPLICATION

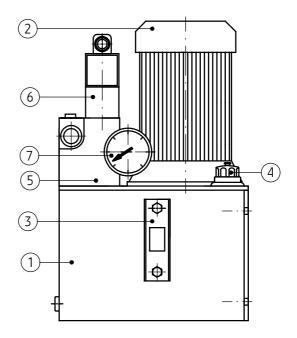
Power packs type **UHMZ...** serve to drive and control hydraulic receivers (cylinders or hydraulic motors). They can also be used as the drive for small presses, lifts, machine tools and other shop machines.

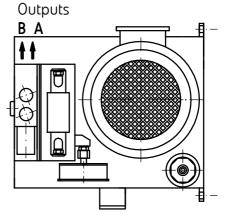
The power pack is intended to operate for short periods of time.



Main element of the power pack is steel tank (1) equipped with the oil level indicator (3) and the filler (4). Electric motor - pump assembly (2) is mounted on the tank. The pump is submerged in the oil and is driven by the motor by means of elastic coupling. On the plate there is also mounted the block (5) with hydraulic and control equipment - directional control valve (6) and pressure gauge (7).

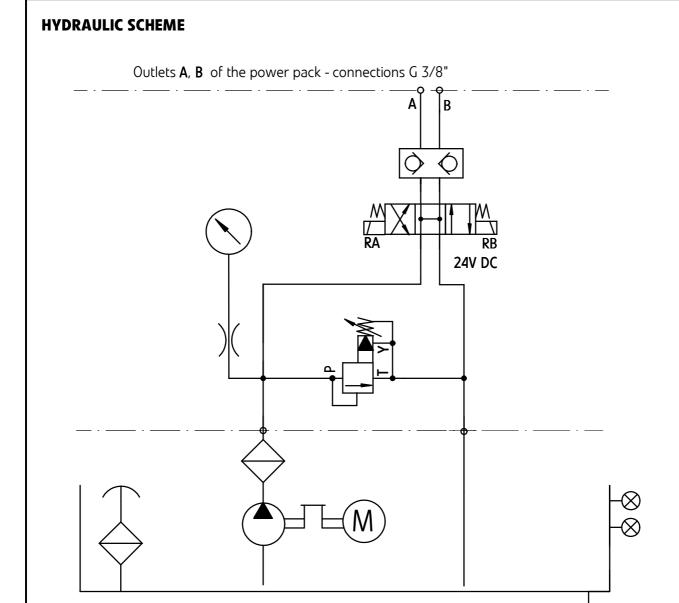
The power pack can be extended using different control block for specific pump system, e.g. the block made sandwich plate equipment – based as well as using different voltage for controlling directional valves.





TECHNICAL DATA (table1)

| Power pack type | UHMZ 5/16 -1 - H | UHMZ 5/12 -1,6 - H | |
|--|--|--------------------------------|--|
| Nominal capacity of the tank | 5 dm ³ | | |
| Type of pump | PZ3-1/20-2-1-22 | PZ3-1,6/20-2-1-22 | |
| Unit pump displacement | Q =1 cm ³ /revolution | $Q = 1.6$ cm 3 / revolution | |
| Nominal operating pressure | 16 MPa | 12 MPa | |
| Motor type | SKg 80- 4B | | |
| Motor power (for instant) | 0,75 kW; 1400 revolutions/min | | |
| Motor supply voltage | 3 x 400V 50Hz | | |
| Supply voltage of directional control valve (other, if agreed) | 24V DC | | |
| Medium | hydraulic oil; viscosity 2,8 up to 380 mm ² /s at operating temperature | | |
| Recommended filtration | 16 µm | | |
| Operating temperature range | 10 up to 60 °C | | |



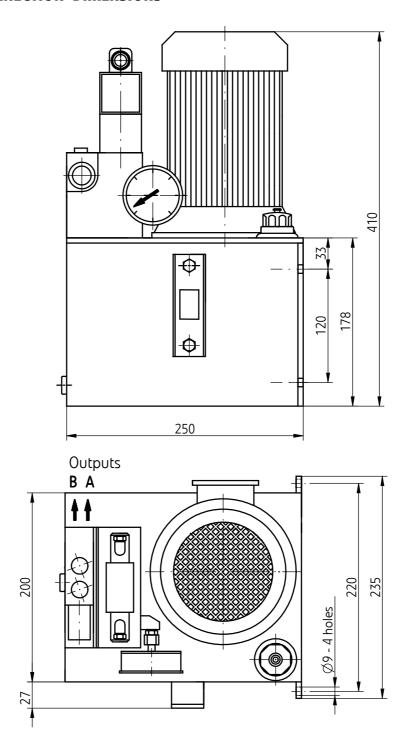
NOTE:

Power packs can be made according to any other hydraulic scheme, for other control and supply voltage of electric motors, after prior consultation with the manufacturer.

Hydraulic equipment that can be used for the system (table 2)

| Directional spool valve, electrically operated | WE 6 | according to WK 499 502 | |
|---|--------|-------------------------|--|
| Directional spool valve, hydraulically operated | WH 6 | according to WK 420 170 | |
| Directional spool valve, hand lever operated | WMM 6 | according to WK 420 170 | |
| Directional spool valve, rotary knob operated | WMD 6 | according to WK 420 170 | |
| Pressure reducing valves, sandwich plate | UZRC 6 | according to WK 493 061 | |
| Pressure sequence valves, sandwich plate | UZKC 6 | according to WK 393 060 | |
| Check valves, sandwich plate | WZZC 6 | according to WK 450 355 | |
| Double check valves, pilot operated | Z2S 6 | according to WK 450 360 | |
| Double check valves, sandwich plate | Z2FS 6 | according to WK 450 232 | |
| Pressure switches (with subplate UŁBC 6) | USPH 4 | according to WK 450 398 | |
| Pressure relief valves | UZPR 6 | according to WK 494 060 | |

OVERALL AND CONNECTION DIMENSIONS



HOW TO ORDER

Any order should be addressed to the manufacturer according to the table1.

Coding example: UHMZ 5/12-1,6 - H Further requirements in clear text

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|--|----------------------------------|
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