

TZM 11 Engineering Office Ltd.

HIT

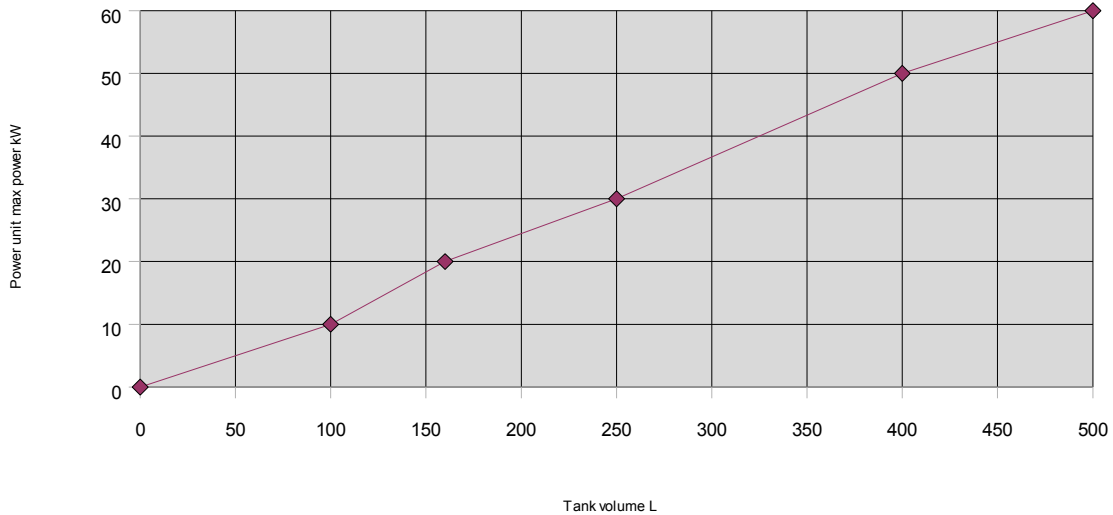
Standard hydraulic power units

2012-1

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Features

- Nominal pressure is max 250 bar
- Maximal power is 60kW (without oilcooler), rated with tank volume, as seen on the table below (certainly special, individual type is possible by customer's claim)



- Tank volume from 25L to 500L
- Flow rate max 160L/min (approx. 30% of the tank volume)
- Manufacturers used: gear pumps – SALAMI (or Bosch-Rexroth, Industrialtechnic, Kracht etc.), electric motors – Smem (Sew, Bonfiglioli, Nord, etc.), directional valves, pressure valves – Aron (Bosch-Rexroth, Iso, Danuvia, etc.), fittings – Walterscheid or other DIN standard
- Working fluid: ISO VG46 (vagy ISO VG22 , ISO VG68) grade hydraulic oil
- Salvage type tank lid design to avoid the dangerous oil puddles.

Application field

Presses, lift tables, clamping operation. For indoor use.

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Ordering

HIT-__-__-__-__-__-__

HIT-tank volume (L)-oil flow (L/min)-nominal pressure (Bar)-schematic modell- operating voltage- current type (AC/DC)

Example:

The ordering code of an power unit with 63L tank volume, 10L/min flow rate at 160Bar nominal pressure, K2 type schematic modell, 24V DC operated is the following:

HIT-63-10-160-K2-24V-DC

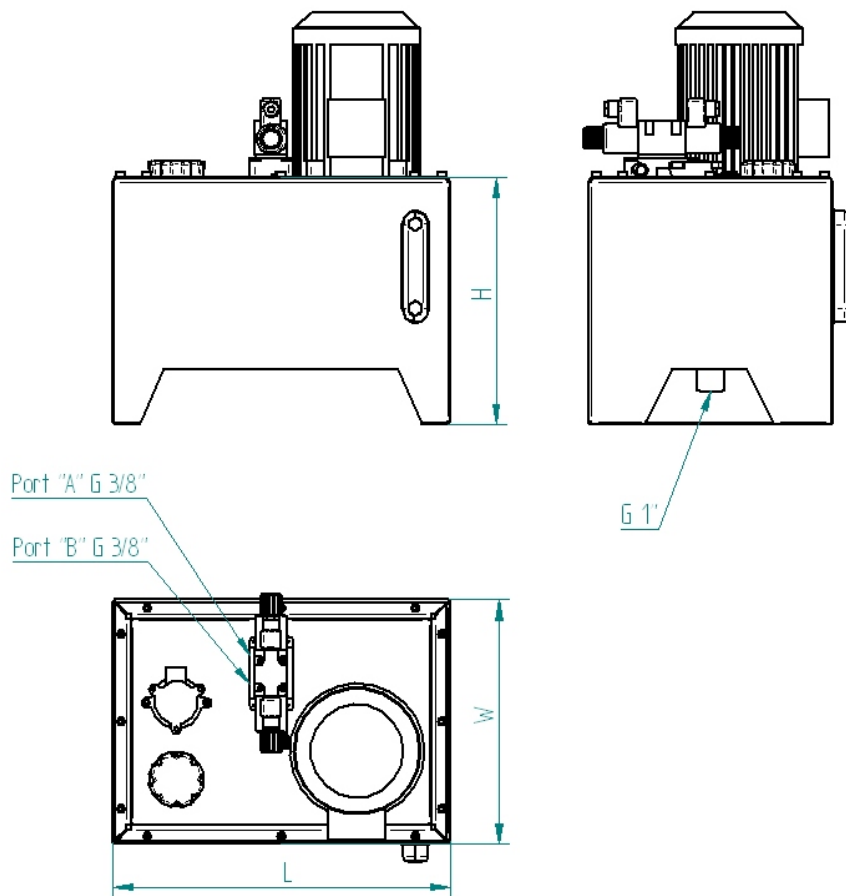
For special, individual schematic modell, needed to share with us the schematic drawing of circuit.

The catalog type power unit doesn't consists electric control parts (transformers, switches, relays, magnetic switches, switching cabinets, etc.), but it's possible to supply by us for extra price.

Without specifying, the painting colour is RAL 9005, but selectable in other RAL colour also.

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Power unit tank

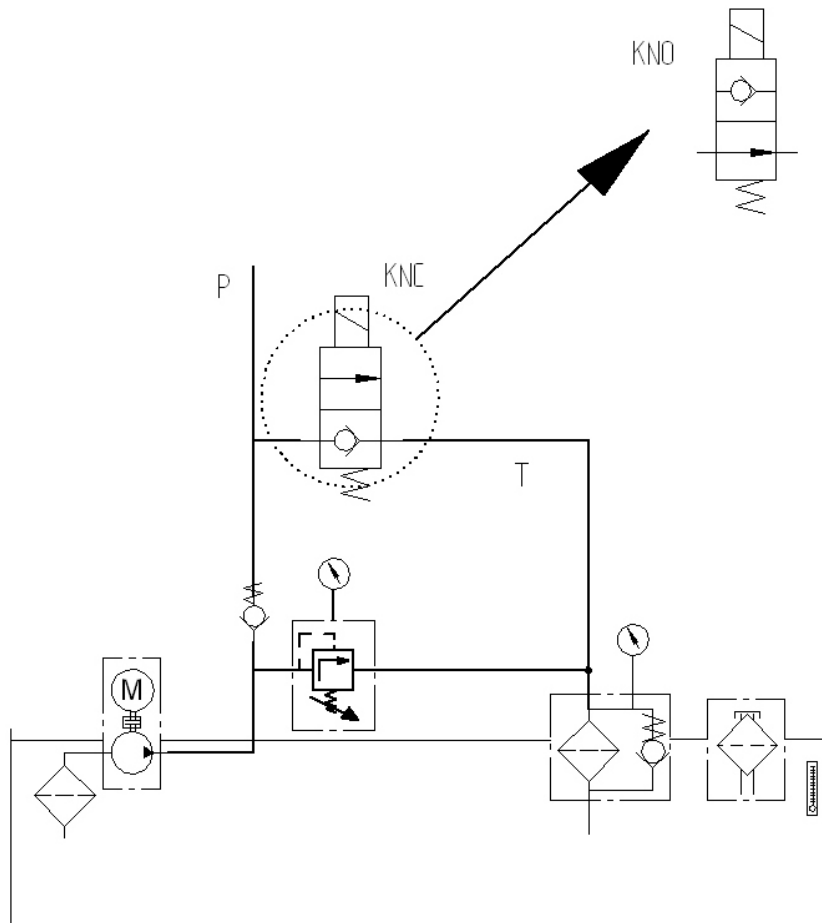


Nominal tank volume in L	W mm	L mm	H mm
25	364	504	369
40	450	500	470
63	500	550	500
80	550	600	570
100	600	660	580
160	540	1100	620
200	560	1120	650
320	650	1280	770
400	720	1430	820
500	770	1540	880

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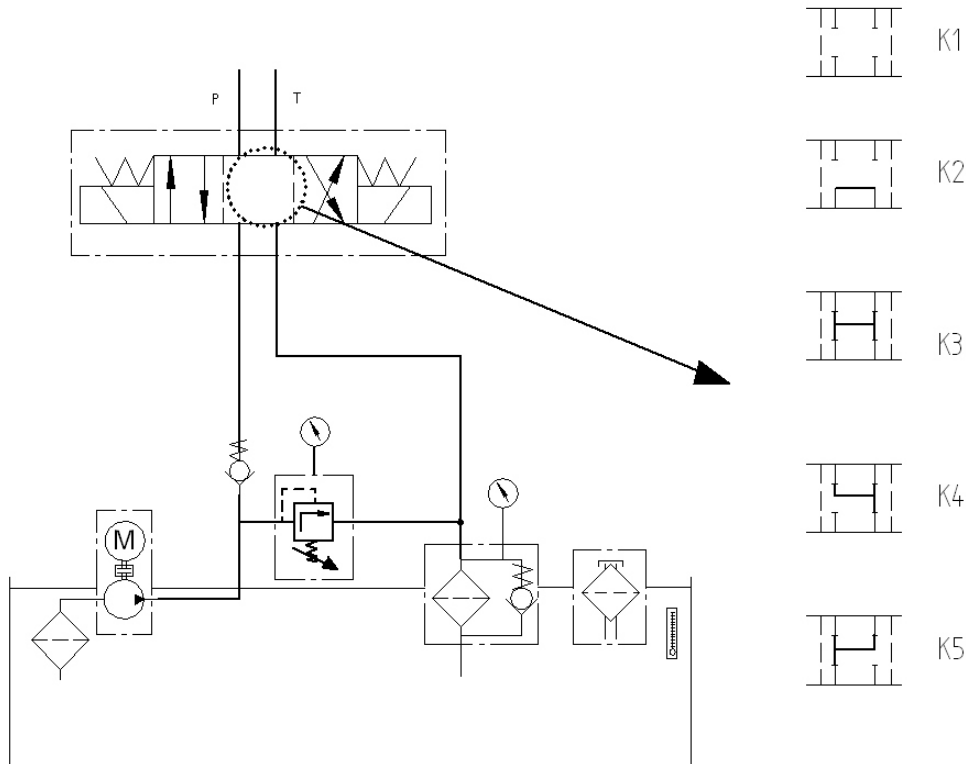
Schematic modells

With 2/2 seat valve (KNO and KNC schematics)



Suitable for single-acting cylinders to operate such lift tables, presses, etc. It has got excellent position holding parameters, because the seat valves has got minimal leakage. Normally closed (KNC – pressure on the P output) and normally open (KNO) type.

With 4/3 spool type valve (K1.. K5 schematics)



Suitable for single-acting cylinders to operate such as feedings, positional units, press rollers, presses, clamping units, etc. The effect of the type of middle position:

- K1 circuit: all outputs are closed, no permanent positioning task, (because there is leakage inside the spool valve!).
- K2 circuit: the pump side is „jumpered”, no permanent positioning task, pump is actually "idle".
- K3 circuit: in the central position of the valve, the pump is unencumbered, the working element (cylinder) can move freely (eg, the cylinder retractable).
- K4 circuit: in the central position of the valve, the working element (cylinder) and piping unloaded (unpressurized).
- K5 kapcsolás: in the central position of the valve, the working element (cylinder) is pressurized on it's both ports. This is the differential circuit for double acting cylinder.

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