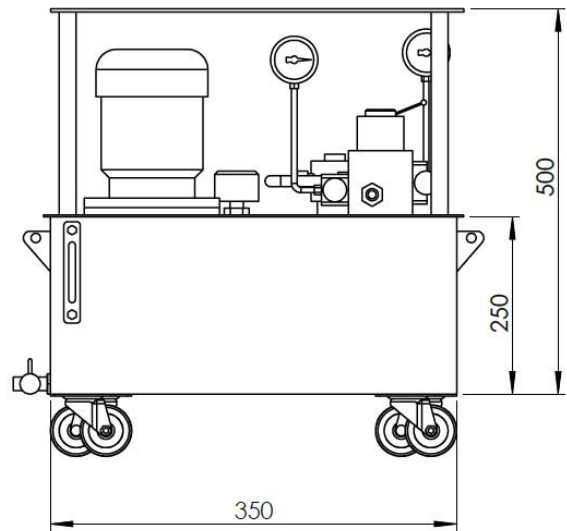


Hydraulic Power Packs: Different Types

Sample-1

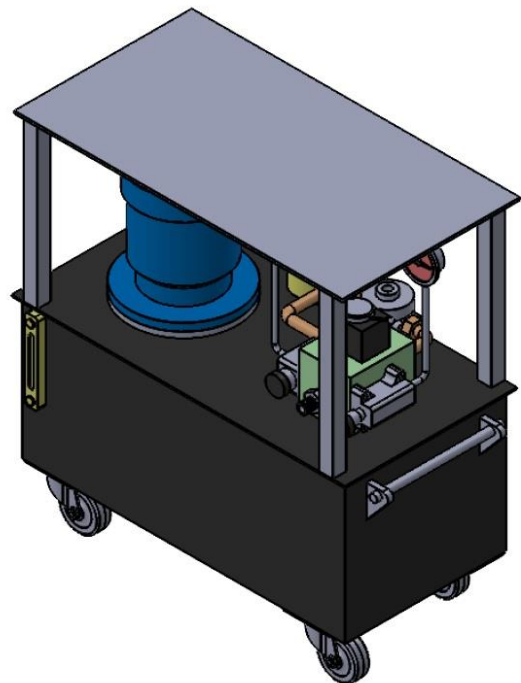
Hydraulic Power Pack Specifications:

- Maximum Operating Pressure: 700 Bar
- Pressure rating (Ist Stage): 13 Bar
- Pressure rating (IInd stage): 700 Bar
- Cylinder Compatibility: Single Acting
- Usable oil capacity: 10 Liter
- Max. flow at rated pressure: 0.3 l/min
- Output flow rate Ist stage: 3.2 l/min
- Output flow rate 2nd stage: 0.3 l/min
- Valve Function: Advance / Hold /Retract
- Valve Operation: Manual
- Valve Type: 3-way, 2-position
- Pump control: Pendant
- Motor Electrical specification: 230 V, 50/60 Hz
- Weight: 35-40 kg
- Material of construction: MS & Al
- No load lifting speed: 8 mm/second
- Loaded speed: 0.7 mm/second
- Lowering speed: Manually Adjustable

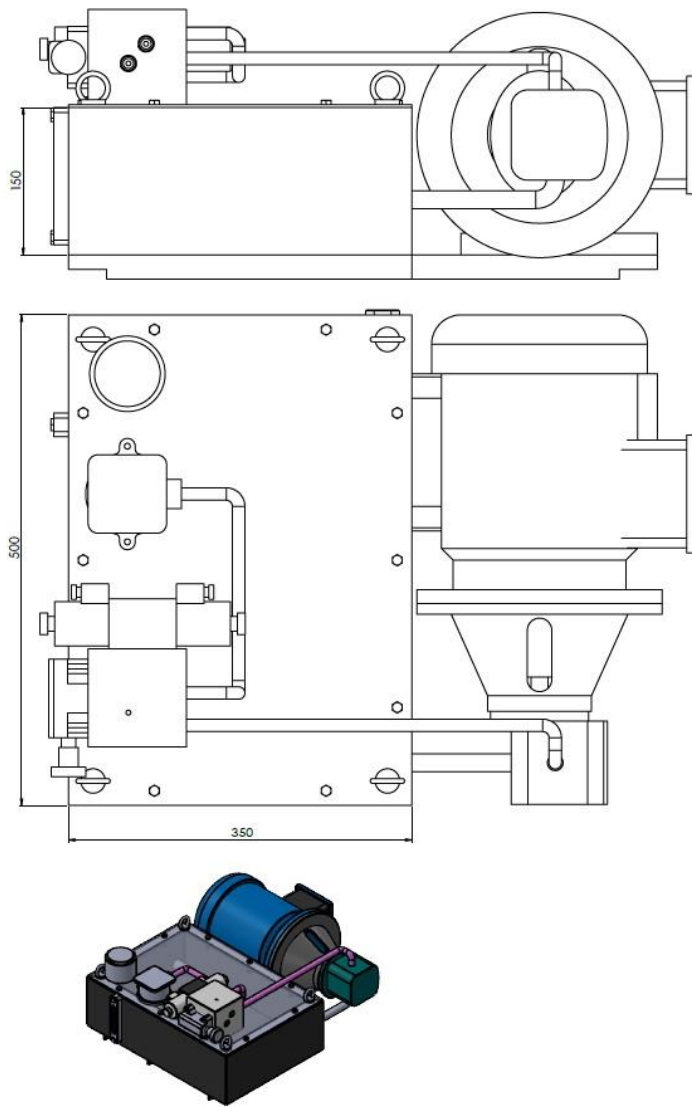


Features of The Hydraulic Power Pack:

- Dual delivery pump for fast operation cycle time
- 3 m cord with pendant to controls the pump/ motor operation
- Large easy-carry handle for maximum portability
- Starts under full load
- High strength Aluminum shroud for the protection of motor accessories
- Castor wheel provision for easy transportation
- Ergonomically designed lifting handle bar



Sample-2

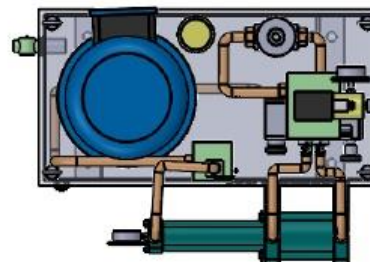
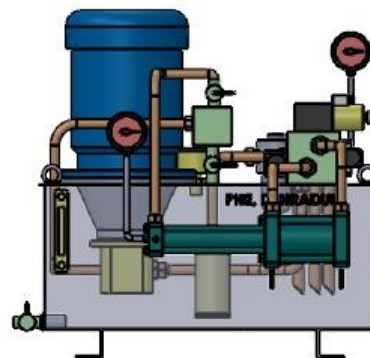
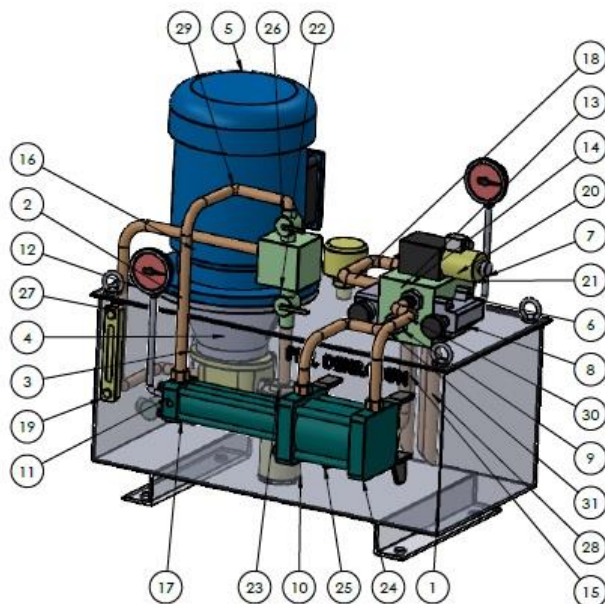


S. NO	Item	Technical Specification
1	Oil Reservoir	500 mmx 350 mm x 150 mm A36/M5 Oil capacity 18litre
2	Manifold Block	100 mmx 100 mmx100 mm
3	Electric Motor	3HP motor 3 phase/415 VA 1440 rpm
4	Hydraulic Pump	External gear pump Pump 8 lpm at 1500 rpm (5.5 cc/rev.)
5	Belt Housing	Suitable for 100 L frame size motor, Mild steel or Aluminum
6	Flexible Coupling	Mild steel hub with Nylon Coupling
7	Directional control Valve	Double solenoid 230 VAC 4-port 3-position ABT commutated, NG6
8	Hydraulic Hoses	ID 3/8" SAE100 R2 grade, rated Press 330 bar 300 mm long with 3/8" Female End Fitting
9	Hydraulic Hoses	ID 3/8" SAE100 R2 grade, rated Press 330 bar 500 mm long with 3/8" Female End Fitting
10	Hydraulic Hoses	ID 3/8" SAE100 R2 grade, rated Press 330 bar 1500 mm long with 3/8" Female End Fitting
11	Pressure relief Valve	Direct operated NG6, 0-250 bar
12	Pressure Gauge	Glycerine filled 2.5" dial 0- 400bar
13	Return line filter	TIF2-06, 3/4" BSP Inlet and 3/4" Outlet
14	Filer Breather	F58-05, 40 micron /150 LPM capacity
15	Level Gauge	LG-2-03, 3'long glass tube
16	Suction Strainer	BSP 3/4" Female thread Sz OD 64mm x 109 long 28µm flow rated filtration 125 micron
17	Throttle Check Valve	Modular type, Size NG6, Throttle Check valve side A, set screw with loc knut
18	Drain Socket	1/2" BSP female thread M5 Socket 50 mm long
19	Hex Head Plug	1/2" BSP M5 Hex head Plug with copper washer
20	Socket Head Screw	M5x 85(45+40) 12.9grade
21	Socket Head Screw	M5x30 12.9 grade
22	Hex Head Screw	M5x20 with plain washer 10 nos
23	Stud coupling	3/8" BSP x 12 mm Parallel Male stud coupling
24	Stud coupling	3/4" BSP x 16 mm Parallel Male Stud Coupling
25	Adaptor	3/8" x 3/8" Male thread
26	Hex Head Screw	M5x20 with plain washer 4nos
27	T connector	3/8" BSP Male thread

Sample-3: Hydraulic Powerpack & Cylinder for Telescopic Lift



Sample-4 Hydraulic Power Pack With Pressure Intensifier



ITEM NO.	PART NUMBER
1	Oil Tank
2	Aluminium Bellhousing
3	Gear Pump
4	Flexible Coupling
5	Electric Motor
6	Manifold Block
7	Direction Control Valve
8	Pressure Relief Valve
9	Adaptor
10	Suction Strainer
11	Gauge Connector
12	Dial Gauge
13	Flow Control Valve
14	Connection Tube
15	Pump to Block Connector
16	Lifting Hook
17	Drain Socket and Plug
18	Filter and Breathe
19	Level Gauge
20	Pressure Line Filter
21	Connection Tube 2
22	Ball Valve Block
23	Tube 16mm
24	Hydraulic Intensifier for Blade holding fixture
25	Bracket Intensifier Mounting
26	Ball valve
27	connection pipe
28	Nipple
29	connection pipe 2
30	connection pipe 3
31	connection pipe 4

Sample-5

BOM for Hydraulic Power Pack for Scissor Lift

S. No.	Item	Description	Qty. (Nos.)	Remarks
1	Electric Motor	7.5HP, 1440 rpm, 415 VAC	1	ABB / Crompton or Eqvt.
2	Gear Pump	17LPM at 1500 rpm, 207 bar rated (Dowty model 1P3036, Flange 'S' & Shaft 'P')	1	Dowty make or Eqvt.
3	Pressure Relief Valve VG-6, Locknut & set screw type	Polyhydron model DPRS-06S-200	1	Polyhydron or Eqvt.
4	Pressure Gauge	63mm dial/ 300 bar / Glycerin filled ¼" BSP -Stem mounting	1	Mass or Eqvt.
5	Suction Strainer	1 ¼" BSP -125 Micron (SC2-020-1-1/4"-BSP-125)	1	Hydroline or Eqvt.
6	Flow Control Valve	NG10 /Sub Plate Mounted (2PF S 10S 032 S-Polyhydron)	1	Polyhydron or Eqvt.
7	Check Valve	NG10 -Subplate Type (C10S-1; Polyhydron make)	1	Polyhydron or Eqvt.
8	Direction Control Valve	Solenoid Operated Poppet Type 2-way Valve	1	Yuken or Eqvt.
9	Return Line Filter	TIFP-08B-25-Hydroline	1	Hydroline or Eqvt.
10	Rupture Valve		2	Busher or Eqvt.
11	Hydraulic Hoses -Short	1/2" BSP R2 Grade	2	Hose length to be finalized at the time of commissioning
12	Hydraulic Hoses -Long	1/2" BSP R2 Grade	1	Hose length to be finalized at the time of commissioning
13	Oil Level Gauge	5", Model: LG7-5	1	Hydroline or Eqvt.
14	Filler/ Breather	150LPM air flow, Model: FSB-25	1	Hydroline or Eqvt.
15	Flexible gear Coupling suitable for 7.5 HP motor	Hydax 38	1	Hydax or equivalent
16	Bell Housing	Suitable for 7.5 HP motor & 1P series gear pump	1	

Note: Item Nos. 8 & 10 to be decided by manufacturer. If needed, we may provide specifications.