

## HYDRAULIC POWERPACKS HBM, HBE SELECTION TABLES

- ✓ LARZEP 700 bar Electric Hydraulic Powerpacks provide high performance in a compact package with super quiet operation.

The range of powerpacks includes:

1. Manual directional control valves (HBM versions) or remote pendant controlled solenoid valves (HBE versions).
2. Seven different pumps, two speeds, from 0.36 to 3.28 l/min at 700 bar.
3. Six tank sizes from 5 to 100 litre capacity.
4. Eight control valves, 2, 3 and 4 ways and 2 or 3 positions.
5. Single-phase (115V or 230V) or three-phase motor (230V or 400/415V).
6. Options: Remote pendant, oil cooler, roll bar, wheel kit, pedal and glycerine or digital gauge.

The powerpacks are available in configurations to suit single acting or double acting cylinders for heavy lifting or production applications.

### 1. POWERPACK MODEL

Build your powerpack using the charts numbered from 2 to 6

HB	1. Operation	2. Pump	3. Tank	4. Valve HBM	4. Valve HBE	5. Motor	6. Options
	<b>M</b> (Manual)	-	-	0	-	1	<b>B</b> Remote Pendant (For HBM)
	<b>E</b> (Solenoid)	-	2	1	-	2	<b>C</b> Roll Bar
		3	3	2	-	3	<b>D</b> Digital Gauge
		4	4	4	-	4	<b>G</b> Glycerine Gauge
		5	5	-	5	5	<b>H</b> Oil cooler
		6	6	-	6	6	<b>P</b> Foot Switch
		7	7	-	7	-	<b>R</b> Wheels
		-	-	8	-	-	
<b>HB</b>	<b>E</b>	<b>3</b>	<b>4</b>	<b>-</b>	<b>7</b>	<b>2</b>	<b>CR</b>

Example



If you need any help ordering a Powerpack please contact our Internal Sales department.

Type: **HBE3472CR**  
1 2 3 4 5 6

HBE: Hydraulic Powerpack with (E) Solenoid Valve  
 3: 2 speed pump, 5,90 - 0,54 l/min flow  
 4: 12,5 litre tank  
 7: 4/3 valve, double acting  
 2: 3 phase, 230V, 50/60 Hz motor  
 CR: with roll bar and wheels



## 2. PUMP MODEL

Pump	No. of speeds	Oil flow (l/min) at low pressure	Oil flow (l/min) at 700 bar	Minimum tank size (l)	3 phase kW	Single phase kW
3	2	5,90	0,54	8,5	1,10	1,10
4	2	8,64	0,82	12,5	1,10	1,50
5	2	14,00	1,64	25	2,20	-
6	2	11,77	3,28	25	5,50	-
7	2	4,00	0,36	5	0,75	0,75

Higher power series 5 and 6 pumps (2,2kW and 5,5kW) are not available in single phase versions.

## 3. TANK MODEL

Tank	Oil effective capacity (l)	Length (mm)	Width (mm)	Height (mm)	Material
2	5	≤370	230	500	Aluminium
3	8,5	≤390	≤310	525	Aluminium
4	12,5	≤410	≤390	550	Aluminium
5	25	470	360	760	Steel
6	50	540	415	750	Steel
7	100	830	500	840	Steel

### Pump / Tank combinations.

Pump / Tank combinations shown in green are standard. Other possible combinations are shown in white or grey.

Standard	5 L	8,5 L	12,5 L	25 L	50 L	100 L
2 Speed Pump/Tank	72	73	74	75		
		33	34	35	36	
			44	45	46	
				55	56	
				65	66	67

Higher power series, 5 and 6 pumps (2.2 kW and 5.5 kW) are not available in single phase versions.

## 4. VALVE MODEL

Valve	Ways / Positions	Function	Single / Double acting	Locking*
0	2/2	Advance-Retract auto	Single	No
1	3/2	Advance-Retract	Single	Yes
2	3/3	Advance-Hold-Retract	Single	Yes
4	4/3	Advance-Hold-Retract	Double	Yes
5	3/2	Advance-Retract	Single	No
6	3/3	Advance-Hold-Retract	Single	No
7	4/3	Advance-Hold-Retract	Double	No
8	4/1	No valve	--	--

\* Locking valves stays in the selected position. For Non locking valves, the handle or push button must be continuously pressed to deliver oil.

## 5. MOTOR MODEL

Motor	Voltage (V)	Phases	Hz
1	230	1	50
2	230	3	50/60
3	230	1	60
4	380/415	3	50/60
5	115	1	50
6	115	1	60

## 6. OPTIONS

