

**HAM, HAE Powerpacks table**

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 (HAM versions) or remote pendant controlled solenoid valves (HAE versions).
- 2. Eight different pumps, one or two speeds, from 0.36 to 4 l/min at 700 bar.
- 3. Seven tank sizes from 2.5 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 pressure transducer. See page 92.

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

**Build your powerpack using the charts numbered from 1 to 6.**

HA	1. Operation	2. Pump	3. Tank	4. Valve HAM	4. Valve HAE	5. Motor	6. Options
HA	M (Manual)	1	1	0		1	B Remote pendant (For HAM)
	E (Solenoid)	2	2	1		2	C Roll bar
		3	3	2		3	H Oil cooler
		4	4	4		4	P Foot switch
		5	5	5	5	5	R Wheels
		7	6	6	6	6	T Pressure transducer
		8	7	7	7		
		9	8	8			

**I.E: HA E 7 4 7 2 C R**  
**1 2 3 4 5 6 6**

**HA. Powerpack**

- 1. Manual (M) or Solenoid (E) operated**
- 2. Pump**
- 3. Tank**
- 4. Valve**
- 5. Motor**
- 6. Options**

Hydraulic Powerpack with Solenoid Valve, with roll bar and wheels.  
2 speeds pump, 4 - 0,36 l/min flow.  
14 litres tank.  
4/3 valve, double acting.  
3 phase, 230V, 50/60 Hz motor.



**HAE7472CR**

## 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
1	1	0,36	0,36	5	0,56	0,75
	1	0,36	0,36	only 2,5	0,56	--
2	1	0,51	0,51	5	0,75	0,75
3	1	0,70	0,70	8,5	1,00	1,50
4	1	1,17	1,17	8,5	1,50	2,20
5	1	2,20	2,20	12,5	3,00	--
7	2	4,00	0,36	2,5	0,75	0,75
8	2	13,00	2,20	25	4,00	--
9	2	29,00	4,00	50	5,50	--

## 3. TANK MODEL

Tank	Oil effective capacity (l)	Length (mm)	Width (mm)	Height (mm)
1	2,5	220	160	≤400
2	5	280	200	≤481
3	10 (8,5)	340	247	≤525
4	14 (12,5)	368	290	≤548
5	25	450	325	≤667
6	50	540	415	≤752
7	100	830	500	≤837

Up to 14 litres: aluminium tank; from 25 litres on: steel tank

### Pump / Tank combinations.

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

Standard	2,5 L	5 L	10 L (* 8,5)	14 L (* 12,5)	25 L	50 L	100 L
1 Speed Pump/ Tank	11	12	13	14	15	16	
		22	23	24	25	26	
			*33	*34	35	36	
			*43	*44	45	46	
				*54	55	56	
2 Speed Pump/ Tank	71	72	73	74	75	76	
					85	86	87
						96	97

Powerpacks with \* contain 1,5 litres of oil less in the tank, due to the volume of the coupling in pumps no. 3, 4 and 5. Pump combinations 11, 33, 43 and 71 combinations are not available with single-phase motors due to size of motor. Higher power series 5, 8 and 9 pumps (3kW, 4kW and 5.5kW) 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 stay in the selected position.

For Non locking valves, the handle or push button must be continuously pressed to delivery oil.

## 5. MOTOR MODEL

Motor	Voltage (V)	Phases	Hz
1	230	1	50
2	230	3	50/60
3	230	1	60
4	400/415	3	50/60
5	115	1	50
6	115	1	60