

# LHP - SERIES

MANUAL HAND  
PUMP

SINGLE / TWO SPEED DESIGN  
WORKING PRESSURE : 700 BAR

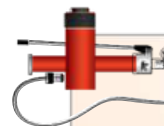


# LIFTON

Hydraulic Power Systems

TM

Heavy duty, light weight construction. Single & Double speed models. Working pressure preset to 700 bar with internal pressure relief valve.  
Different oil capacity pumps to cover wide range of cylinders and tools.  
Chrome plated plunger.



All the pump models are available as sets (Pump, Cylinder, Gauge, Gauge block, Couplers and Hose) upon request for ordering convenience. Refer Page: 22 & 23 for Components.



**Ultra High Pressure Pump**  
All the ultra high pressure pump models are supplied with pressure gauge and gauge mounting block.

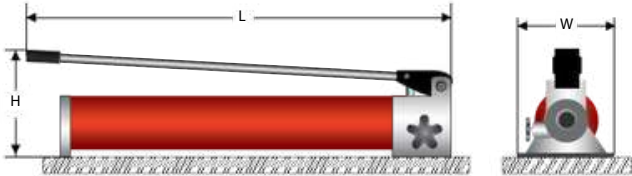


**Pressure Gauge**  
To avoid the risk of overloading, Lifton strongly recommend to use Pressure gauge along



**4 way Direction Control Valve**  
Lifton Manual Pump models with suffix "D" are fitted with 4 way Direction-control Valve, to use with double acting cylinders

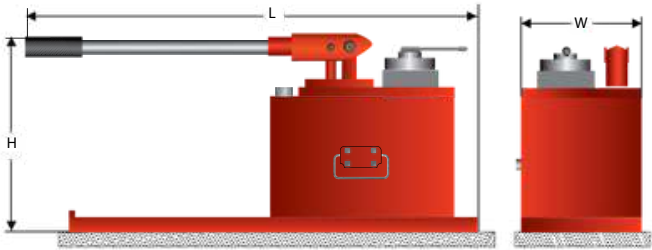
Pump Type	Model	Reservoir Capacity (cc)	Volume Per Stoke(CC)		Working Pressure (Bar)
			LP	HP	
Single Speed	LHP-17	700	*	2.3	700
Two Speed	LHP-23	320	3.5	0.9	
	LHP-28	800	13	2.3	
	LHP-210	900	33	3.3	
	LHP-223	2,300	13	2.3	



LHP 17, LHP23, LHP 28, LHP 210, LHP 223



LHP 230, LHP250



LHP 2100, LHP 2100 D

Pump Head Material	Output Port Size	Dimension L x W x H (mm)	Weight (Kg)	Photo
Steel	3/8 NPT	540 x 130 x 140	5.0	
Steel		336 x 95 x 143	2.4	
Steel		630 x 150 x 150	6.5	
Aluminium		670 x 120 x 170	10.3	
Aluminium		680 x 140 x 200	11.3	

Pump Type	Model	Reservoir Capacity (cc)	Volume Per Stoke(CC)		Working Pressure (Bar)
			LP	HP	
Two Speed (Ultra High Pressure)	LHP-223D	2,300	13	2.3	700
	LHP-225	2,300	33	3.3	
	LHP-230	3,000	31	2.3	
	LHP-230D	3,000	31	2.3	
	LHP-250	5,000	31	2.3	
	LHP250D	5,000	13	2.3	
	LHP-2100	10,000	90	7	
	LHP-2100D	10,000	90	7	
	LHP-1600	2,000	32	2.5	
	LHP-2800	2,000	32	0.9	

Pump Head Material	Output Port size	Dimension L x W x H (mm)	Weight (Kg)	Photo
Aluminium	3/8 NPT	680 x 140 x 200*	12.5	
Aluminium		739 x 138 x 161	10.1	
Aluminium		680 x 150 x 190	12.5	
Aluminium		680 x 150 x 190*	13.5	
Aluminium		740 x 150 x 190	14.4	
Aluminium		740 x 150 x 190*	16	
Steel		950 x 260 x 360	20	
Steel		950 x 260 x 360	20	
Aluminium	1/4 BSP	577 x 120 x 170	8.5	
Aluminium		577 x 120 x 170	6.3	

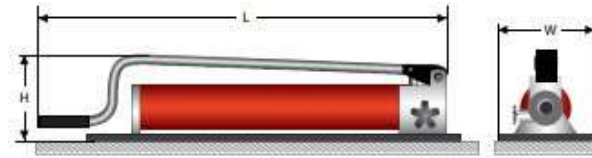
# LFP - SERIES

MANUAL FOOT  
PUMP

**TWO SPEED DESIGN**  
**WORKING PRESSURE: 700 BAR**



Rigid and stable base design for foot operation.  
Less operator fatigue. Best suitable for crimpers & cutter heads. Over load protection valve.



Pump Type	Model	Reservoir Capacity (cc)	Volume Per Stroke(CC)		Working Pressure (Bar)	Dimension L x W x H (mm)	Weight (Kg)
			Low Pressure	High Pressure			
Two Speed	LFP-215	1,500	13	2.3	700	740 x 175 x 185	

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# LFP-K - SERIES

MANUAL FOOT  
PUMP

**TWO SPEED DESIGN**  
**WORKING PRESSURE: 700 BAR**

Lifton manual foot pump kit consist of 3 meters long high pressure hose assembly fixed with quick male release coupler at one end. Also supplied with 64mm dial glycerine filled dual scale, 0 - 700 bar/ 0 - 10000 psi pressure gauge fixed on a gauge mounting block.



Pump Type	Model	Reservoir Capacity (cc)	Volume Per Stroke(CC)		Working Pressure (Bar)	Dimension L x W x H (mm)	Weight (Kg)
			Low Pressure	High Pressure			
Two Speed	LFP-215K	1,500	13	2.3	700	900 x 175 x 185	17.5



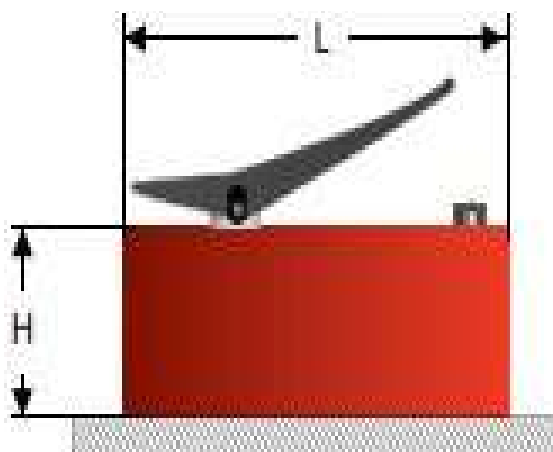
• ADFP-4



• ADP2-15

ADFP Series Air Driven Pump are available with 2 way Foot operated valves. Designed to operate under 7bar standard air supply and are filled with oil,sight level gauge. Used with single acting hydraulic tools, cable crimpers, cutters etc. ADP2 Series Air Driven Pump are of two Speed models available with 2 way and 4way direction control valves.

Designed to operate under 7bar standard air supply and are filled with oil,sight level gauge,external relief valves Used with single acting and Double acting cylinders and hydraulic tools.



Model No	Valve type	Oil Capacity (liters)	Max.Flow Rate(LPM)		Dimension L x W x H (mm)	Weight (kg)
			Low	High		
ADFP-4	2-WAY	4	-	1	400 x 110 x 130	9
ADFP-4D	4-WAY	4	-	1	400 x 110 x 130	11.5
ADP2-10	2/4-WAY	10	8	2	470 x 320 x 560	65



EDP-0.5M-2-5

EDP-0.5 Series electric pumps are available with 3 or 4 way single or double acting manual valves. Models are available with 220/240V single phase electric motor. The two stage pump switch over from low pressure to high pressure at 50bar pressure. Most commonly used with medium stroke single and double acting cylinders and other applicational tools.



EDP-1M-2-10

EDP-1M Series electric pumps are available with 3 or 4 way single or double acting manual valves and solenoid valves. Models are available with 220/240V single phase electric motor. The two stage pump switch over from low pressure to high pressure at 50bar pressure. Most commonly used with medium and large stroke single and double acting cylinders and other applicational tools.



EDP-3M-3-40

EDP-2M Series electric pumps are available with 3 or 4 way single or double acting manual valves and solenoid valves. Models are available with 220/240V single phase electric motor and 380V three phase electric motor. The two stage pump switch over from low pressure to high pressure at 50bar pressure. Most commonly used with single and double acting cylinders and other applicational tools where quick operation is required.

EDP-3M Series electric pumps are available with 3 or 4 way single or double acting manual valves and solenoid valves. Models are available with 380V three phase electric motor. The two stage pump switch over from low pressure to high pressure at 50bar pressure. Most commonly used with single and double acting cylinders and other applicational tools where high speed operation are required.





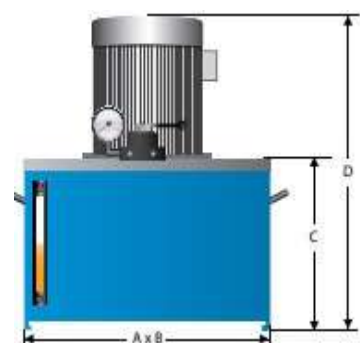
### Load Holding Valve

Pump mounted load holding block are available upon request. For ordering add suffix "L" along with the pump model number to add holding block.



Engine driven pumps and customized control panel are available upon request.

Model No	A x B	C	D
EDP 0.5	225 x 300	135	477
EDP 1	300 x 430	160	410
EDP 2---20	512 x 435	220	453
EDP 2---40	592x 435	320	540
EDP 3---40	592x 435	320	540



Model No	Valve Type	Oil Capacity (liters)	Motor (KW)	Flow Rate LPM		Voltage	Weight (Kg)
				Low	High		
EDP 0.5M-2-5	3/4Way Manual	5	0.37	4	0.35	220V	18
EDP 1M-2-10	3/4Way Manual	10	0.75	4	0.6	220V	49
EDP 1S-2-10	3/4Way Solenoid	10	0.75	4	0.6	220V	49
EDP 2S-2-20	3/4Way Solenoid	20	1.5	9	1.0	220V	65
EDP 2M-2-20	3/4Way Manual	20	1.5	9	1.0	220V	65
EDP 2M-3-20	3/4Way Manual	20	1.5	9	1.0	380V	65
EDP 2S-3-20	3/4Way Solenoid	20	1.5	9	1.0	380V	65
EDP 2S-3-40	3/4Way Solenoid	40	1.5	9	1.0	380V	85
EDP 2M-3-40	3/4Way Manual	40	1.5	9	1.0	380V	85
EDP 3M-3-40	3/4Way Manual	40	2.2	13	1.5	380V	100
EDP 3S-3-40	3/4Way Solenoid	40	2.2	13	1.5	380V	100



# BDPS-SERIES

BATTERY OPERATED  
PUMP

WORKING PRESSURE : 700 BAR

Compact & light weight design.

Easy to hold & carry.

Rechargeable battery.

Out put port of 3/8" NPT thread.

Specially designed model for crimper & cutter heads,  
small hydraulic tools.

Supplied with pendant control switch.



Model No	Solenoid Valve Type	Oil Capacity (liters)	Motor			Flow Rate LPM		Dimension L x W x H (mm)	Weight (Kg)
			Voltage(V)	Rated (KW)	RPM	Low	High		
BDPS-14	2-WAY	1.4	18	0.25	1850	1.6	0.27	330x155 x 271	8

# EDPM - SERIES

MINI ELECTRIC  
PUMP

WORKING PRESSURE: 700 BAR



Two stage pump design with 2 way valve.

Pressure switch over from low-high pressure at 70 bar

Out put port of 3/8" NPT thread.

Specially designed model for single acting tools.

Supplied with pendant control switch

Model No	Valve Type	Oil Capacity (liters)	Motor(KW )	Flow Rate LPM		Voltage	Weight (kg)
				Low	High		
EDPM-2	2-WAY	2.0	0.4	2.5	0.3	220V	7

PLC Controlled System.

Featured with two stage pump design.

Panel Design interface connection.

Touch Screen Display Draw wire displacement sensors. Supplied with extrenal Cooling fan .

Lifting precision of 0.5mm can be acheived.



Model No:	Motor (KW)	Oil Capacity (liters)	Motor (KW)	Flow Rate LPM		Voltage	Synchronized Way	Weight (Kg)
				Low	High			
EDPSP 224	1.5	100	0.37	9	1.0	220V	Advance / Return	300
EDPSP 228	1.5	200	0.75	9	1.0	220V	Advance / Return	450
EDPSP 234	1.5	100	0.75	9	1.0	380V	Advance / Return	320
EDPSP 238	1.5	200	1.5	9	1.0	380V	Advance / Return	470
EDPSP 334	2.2	100	1.5	13	1.5	380V	Advance / Return	340
EDPSP 338	2.2	200	1.5	13	1.5	380V	Advance / Return	500
EDPSP 33316	2 X 2.2	300	1.5	26	3	380V	Advance / Return	650