

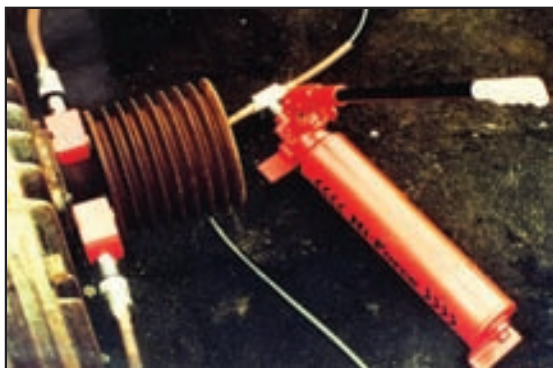
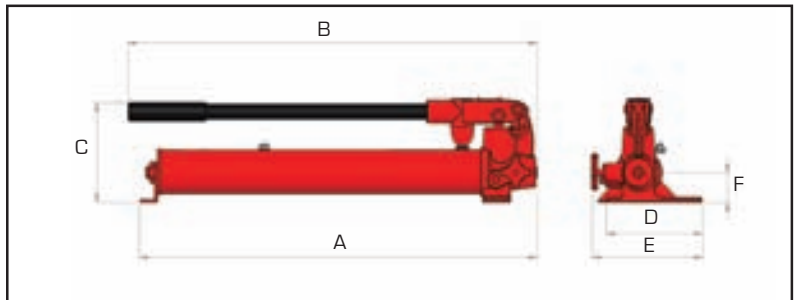


- Single or two speed operation
- Choice of control valves
- Working pressure 700 Bar

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The HP manually operated pump range offers a choice of single or two speed operation and all models are supplied complete with a pre-filled oil reservoir, ready for immediate use. All models have a maximum working pressure of 700 Bar and the range includes pump models suitable for use with either single acting cylinders or tools. The HP range offers the ideal solution for applications where completely independent, portable hydraulic power is required. With low handle effort characteristics for easy operation, all models are of strong durable construction. Hi-Force HP manually operated pumps have a proven track record industry wide and offer excellent value for money in portable hydraulic power. A full range of system components suitable for use with HP manually operated pumps is detailed on pages 49 - 56.

- >> Oil reservoir capacity up to 5 litres
- >> Durable steel construction
- >> External pressure release valve
- >> Factory set safety relief valve
- >> Changeover pressure for two speed models is 14 Bar



Model number	Valve type	Displacement per stroke cm ³		Usable oil cap. litres	Handle effort kg	Weight kg
		1 st stage	2 nd stage			
Single speed hand operated pumps for single acting cylinders and tools						
HP145	2-way	2.9	-	0.45	45	4.6
HP110	2-way	2.9	-	1.0	45	5.6
Two speed hand operated pumps for single acting cylinders and tools						
HP227	2-way	12.9	2.3	2.3	38	10.5
HP257	2-way	12.9	2.3	5.0	38	15.2

Dimensions in mm					
A	B	C	D	E	F
310	566	128	134	145	40
558	566	128	134	145	40
544	597	168	135	145	53
545	597	168	135	150	53