



Working pressure 700 Bar

Multiple outlet valve options

Precise control to achieve synchronised lift

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The HSP range of electric driven, split flow, hydraulic pumps is designed to deliver equal volumes of oil from each individual control valve regardless of any variations in the hydraulic pressure. The range offers a selection of outlet valve configurations ranging from a 2-outlet model with manually operated directional control valves, through to a 12-outlet model with electric solenoid operated valves. Each valve outlet is connected directly to an independent internal piston pump which is driven by a common electric motive force. This technology allows each internal piston pump to deliver an equal amount of oil flow per minute regardless of any variations in the required operating pressure at each control valve outlet. With HSP split flow pumps lifting and positioning large, unevenly weighted loads using multiple jacking points in a synchronised, level lift and controlled manner is easily achievable. Individual control of each valve on all electric valve versions, is via a specially made electric control box with easily identifiable on/off switches for each applicable valve plus a synchronised lift control button for all of the selected control valves. There is also a remote hand pendant control system supplied which can easily be wired to the pump mounted control box. Model HSP24M54 is fitted with two pump mounted, manually operated 4-way valves, which can easily be activated by a single operator. Maximum working pressure of all HSP pumps is 700 Bar with an externally adjustable pressure relief valve for easy pressure adjustment between 70 and 700 Bar. Electric motors are 380/440 volt three phase operation and individual oil outlet flows range from 0.6 to 1.8 litres per minute. A full range of system components is available and detailed on pages 49 to 56.

Model number	Valve configuration	Valve type	Oil Capacity Litres	Oil flow per outlet l/min	Motor voltage	Weight kg
Version with manual control valve						
HSP24M54	2 x 4-way	manual	50	0.9	380 / 440	178
Versions with low voltage (24 V) control valve, control box and pendant						
HSP24E54	2 x 4-way	electric	50	0.9	380 / 440	180
HSP34E104	3 x 4-way	electric	100	1.8	380 / 440	335
HSP44E104	4 x 4-way	electric	100	1.1	380 / 440	274
HSP64E104	6 x 4-way	electric	100	0.9	380 / 440	335
HSP84E104	8 x 4-way	electric	150	0.9	380 / 440	370
HSP104E104	10 x 4-way	electric	200	0.7	380 / 440	414
HSP124E104	12 x 4-way	electric	240	0.6	380 / 440	460

Note: 3-way valve options available on request