

XW30 WATER/GLYCOL PUMPS



- Compact for given pressure and flow rates
- Flow/pressure combinations within 30 Kw range – up to 33.4 l/m or up to 870 bar
- All externally exposed components are stainless steel
- No external lubrication or cooling systems

The high pressure 30Kw type XW30 hydraulic pump is specifically designed for water-based fluids. Separation of the lubricating oil and the pumped fluid is achieved by the installation of a cavity between the cylinder block and the case. Bypass from the pistons is collected in this cavity and returned to the inlet side of the pump. The XW30 pump incorporates three or six axial pistons actuated by a single rotating swash plate.

Installation

Rotation is bi-directional and the pump may be mounted horizontally or vertically.

A suction filter of 150 microns or better should be used. Finer filtration is desirable for the pump life, but is important that the inlet flowrate to the pump is not restricted and no more than -2 in.Hg is measured in the suction pipework under pumping conditions. Where possible a positive pressure should be maintained in the suction pipework under flowing conditions. When the pump is stationary the suction line should be kept under positive pressure to allow priming.

Important - pumps are delivered from Marshalsea with the case lubricating oil drained. Before the pumps are used, the case should be filled with Castrol Alphasyn PG150 to the level specified on the pump technical data sheet

Material

All external components manufactured from 316 stainless steel – pump shaft is medium carbon steel EN8.

Weight

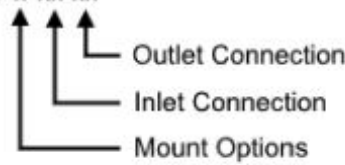
62 Kg

Pump characteristics options

Part Number	Cylinders	Flow	Flow @ 1450 RPM		Flow @ 1750 RPM		Pressure bar
		cc/rev	l/m	Usg/m	l/m	Usg/m	
XW30-00-00402-0870-3-4-CC-x-xx-xx	3	4.02	5.83	1.539	7.04	1.857	870
XW30-00-00472-0870-3-4-CC-x-xx-xx	3	4.72	6.84	1.806	8.26	2.180	870
XW30-00-00547-0870-3-4-CC-x-xx-xx	3	5.47	7.93	2.095	9.58	2.528	870
XW30-00-00587-0870-3-4-CC-x-xx-xx	3	5.87	8.51	2.247	10.27	2.712	870
XW30-00-00671-0870-3-4-CC-x-xx-xx	3	6.71	9.73	2.568	11.74	3.099	870
XW30-00-00851-0870-3-4-CC-x-xx-xx	3	8.51	12.34	3.258	14.89	3.932	870
XW30-00-00804-0870-6-4-CC-x-xx-xx	6	8.04	11.66	3.078	14.07	3.715	870
XW30-00-00944-0870-6-4-CC-x-xx-xx	6	9.44	13.68	3.612	16.51	4.360	870
XW30-00-01094-0870-6-4-CC-x-xx-xx	6	10.94	15.87	4.189	19.15	5.056	870
XW30-00-01174-0870-6-4-CC-x-xx-xx	6	11.74	17.02	4.494	20.54	5.424	870
XW30-00-01341-0765-6-4-CC-x-xx-xx	6	13.41	19.45	5.135	23.48	6.198	765
XW30-00-01702-0600-6-4-CC-x-xx-xx	6	17.02	24.68	6.516	29.79	7.864	600
XW30-00-01911-0535-6-4-CC-x-xx-xx	6	19.11	27.71	7.315	33.44	8.829	535

Additional Options

XW30-00-01702-600-6-4-CC-x-xx-xx



Mount Options

H - Horizontal mount
V - Vertical mount

Inlet Connection Options

05 - 1" BSP Female Inlet
10 - 1" NPT Female Inlet (With Adapter)

Outlet Connection Options

03 - 1/2" BSP Female Outlet (Maximum 700 bar)
04 - 3/4" BSP Female Outlet (Maximum 700 bar)
08 - 1/2" NPT Female Outlet (Maximum 800 bar)
09 - 3/4" NPT Female Outlet (Maximum 800 bar)
13 - 9/16" MP Female Outlet
15 - 1" MP Female Outlet

Drawing

