

XWJ WATER/GLYCOL PUMPS



- Ultra compact for given pressure and flow rates
- Flow/pressure combinations within 80 Kw range – up to 187 l/m or up to 690 bar
- All externally exposed components 316 stainless steel
- No external lubrication or cooling systems

The high pressure 80Kw type XWJ 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 XWJ pump incorporates 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

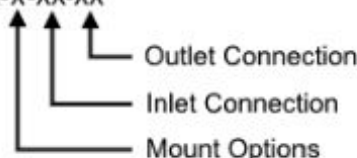
285 Kg

Pump characteristics options

Part Number	Cylinders	Flow	Flow @ 1450 RPM	Flow @ 1750 RPM	Pressure		
		cc/rev	l/m	Usg/m		l/m	Usg/m
XWJ-00-02197-690-6-4-CC-X-XX-XX	6	21.97	31.86	8.410	38.45	10.150	690
XWJ-00-03164-690-6-4-CC-X-XX-XX	6	31.64	45.87	12.111	55.37	14.617	690
XWJ-00-05624-485-6-4-CC-X-XX-XX	6	56.24	81.55	21.530	98.43	25.985	485
XWJ-00-07118-385-6-4-CC-X-XX-XX	6	71.18	103.22	27.249	124.57	32.887	385
XWJ-00-08788-310-6-4-CC-X-XX-XX	6	87.88	127.43	33.641	153.79	40.602	310
XWJ-00-10657-255-6-4-CC-X-XX-XX	6	106.57	154.52	40.795	186.50	49.235	255

Additional Options

XWJ-00-10657-255-6-4-CC-X-XX-XX



Mount Options

H - Horizontal mount

V - Vertical mount

Inlet Connection Options

20 - 2½" BSP Female Inlet

Outlet Connection Options

14 - 2" BSP Female Outlet

15 - 1" Medium Pressure Female Connection

Drawing

