

## Transcrete Concrete Pump



<b>Machine Type:</b>	Transcrete Concrete Pump – Patriot P90 / 836			
<b>Serial No./s:</b>	CL990513 / CL0015719 / CL040204 / CL040313 / CL050523 / CL051046			
<b>Unit No./s:</b>	CP480 / CP535 / CP716 / CP760 / CP870 / CP970			
<b>Manufactured Date:</b>	TBA			
<b>Engine</b>	Caterpillar 3056T 6 cylinder water-cooled diesel. Power rating 159hp @ 2600rpm. (See engine manual for filter details).			
<b>Oil Pumps</b>	<ul style="list-style-type: none"> <li>Concrete pumping circuit; Sundstrand Sauer variable axial piston type, 100cc/rev. fitted with suction filter, factory set at 200 to 250 bar (3,000 to 3,500 psi). Parker brand filter part#307 0232 OAT 10 micron, change 1st 50 hours or 3 months.</li> <li>Concrete valve (S-tube) circuit; Fixed gear type 38cc/rev. Fitted with the in-line pressure filter, factory set at 40 to 80 bar (800 to 1,200 psi). Zinga brand filter part # P3 8" 10 micron glass 300, change 1st 50 hours or 3 months.</li> </ul>			
<b>Accumulator</b>	4 litre bladder type, pre charge to 30 to 35 bar (400 to 500 psi.)			
<b>Concrete Material Cylinders</b>	8"(200mm) bore x 36"(915mm) stroke. <i>Fill flush box with hydraulic oil only <u>NEVER WATER</u> to top of cylinder rods.</i>			
<b>Hydraulic Cylinders</b>	<ul style="list-style-type: none"> <li>Concrete pumping cylinders are 3.5"(90mm) bore with 2" (50mm) rods. <i>Automatic stroke control ports fitted with manual over ride.</i></li> <li>Concrete valve (s-tube) is 3.5"(90mm) bore x 6"(152mm) stroke with 1.5" (40mm) rod.</li> </ul>			
<b>Hydraulic Tank</b>	200 litres capacity, fitted with filler cap, oil level and temperature gauge. USE 68 HVI grade oil.			
<b>Hydraulic Cooler</b>	12 volt fan driven			
<b>Fuel Tank</b>	48 litres diesel			
<b>Logic Control</b>	Solid state changeover using proximity switches activated by piston coupling at the end of its suction stroke. Proximity switches are N.P.N mode with latching relays. Reverse relays energised for reverse only.			
	Proximity switch closed loop Part #	# NPN E2EX1 OE1 M1	"Omron" brand	
	Latching relay part	# RR 2KP-U	DC 12V	
	Reverse relays	# LY2, LY4	"Omron" brand.	
<b>Chassis Details</b>	Length 4.8m	Width 1.7m	Height 1.9m	Weight 2500kg