

# C055 Hydrostatic Pump

Heavy-Duty Closed-Circuit Piston Pump  
for Mobile Applications



## Increased Reliability and Design Flexibility.

Experience improved uptime with the Parker C055 hydrostatic pump. The latest displacement in the C Series line of heavy-duty closed-circuit piston pumps, the C055 enhances reliability with durable construction and superior design flexibility. Engineered for a variety of applications, the C055 hydrostatic pump is rated to 420 bar (6090 psi) continuous pressure and 3800 input rpm.

Like its larger displacement siblings, the C055 features a compact footprint that fits into tight places with easily accessible adjustments. Its modular design allows for quick field conversion of shafts, through drives, charge filters, port relief and controls without disassembly of the main pump.



## Contact Information:

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## Product Features:

- Heavy-duty shaft bearing promotes long unit life
- Operates at 420 bar (6090 psi) continuous pressure
- Robust housing design reduces torsional vibrations and increases strength
- Wide range of controls meets multiple application demands
- Has accessible control adjustments for ease of installation and startup
- Modular design allows for simple field conversions



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C055 Technical Specifications	
<b>Displacement CC/rev (CIR)</b>	55 (3.35)
<b>Input Speed (RPM)</b>	
Continuous	3800
Intermittent	4000
Minimum	500
<b>Speed Pressure Bar (psi)</b>	
Continuous	420 (6090)
Peak*	450 (6525)*
<b>Charge Inlet Pressure Bar (psi) Absolute</b>	
Minimum	0.8 (11.6)
Cold startup	0.5 (7.25)
<b>Case Pressure Bar (PSI)</b>	
Maximum continuous	4 (58)
Cold startup	6 (86)
<b>Fluid Viscosity cST</b>	
Operating	15 to 40
Minimum	10
Cold startup	800
<b>Approximate Weight Kg (Lb)</b>	41 (90)

## Wide Range of Control Options



Manual displacement control



Hydraulic displacement control with feedback



Hydraulic displacement control without feedback



Electric proportional control with feedback



Electric proportional control with hydraulic override and feedback



Electric non-proportional control



Electric proportional control without feedback

The C055 accommodates a wide range of controls designed to meet unique applications needs. All C Series electronic controllers are compatible with the IQAN family of controllers for ease in integrating into mobile control applications.

