

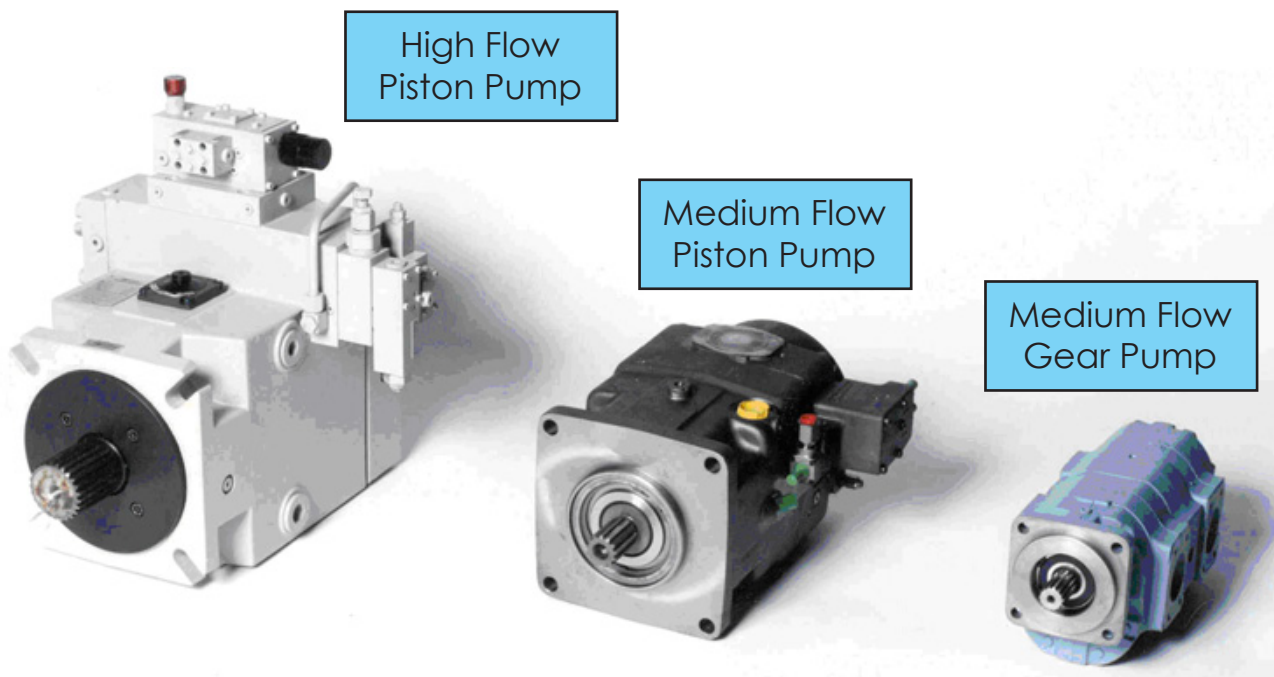
# Seatrax Hydraulic Options

Three standard **hydraulic** options are available to power Seatrax marine cranes:

- High flow, high pressure, **variable displacement piston pumps**
- Medium flow, high pressure, **variable displacement piston pumps**
- Medium flow, medium pressure, fixed **displacement external gear pumps**

Variable **displacement piston pumps** are recommended for **drilling duty** cranes or cranes on **floating installations**. Fixed gear pumps are suitable for production support service on **fixed platforms**.

Seatrax **hydraulic** options are available with a wide selection of **diesel** or **electric prime movers** to suit the application.



Feature	High Flow Piston Pump	Medium Flow Piston Pump	Medium Flow Gear Pump
Application recommendation	Large drilling duty cranes or cranes on floating installations	Drilling duty cranes or cranes on floating installations	Fixed platform cranes
Crane Series	S90, S108, S126, S144	S48, S56, S72, S90	42, S48, S56, SB Series and SK Series
Pump Type	Variable displacement	Variable displacement	Fixed displacement
Circuit Type	Open Loop	Open Loop	Open Loop
Motor Type	Fixed Bent-Axis	Fixed Bent-Axis	Fixed Gear
Primary Pump Controller Type	Constant Horsepower	Constant Horsepower	N/A
Pressure Control	Pressure Compensated	Pressure Compensated	Relief Valve
Hoisting Speeds	Very High	High	Medium
HP Efficiency	High	High	Medium
Brake Valve Mounted on Hydraulic Motor	Yes	Yes	Yes
Standard Diesel Prime Mover	750 HP-1100 HP	500 HP-600 HP	150 HP-375 HP
Standard Electric Prime Mover	Dual 400 HP	Single 400 HP	Not Recommended
Configured with Hoist Band Brakes	Yes	Yes	Yes
Standard with 316SS Hydraulic Reservoir	Yes	Yes	Varies with Model
Initial Cost	High	Medium	Low
Downstream Cost	Low	Low	High