CATERPILLAR OEM SOLUTIONS

CAT® HYDRAULIC PUMPS AND MOTORS

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HYDRAULIC PUMPS AND MOTORS

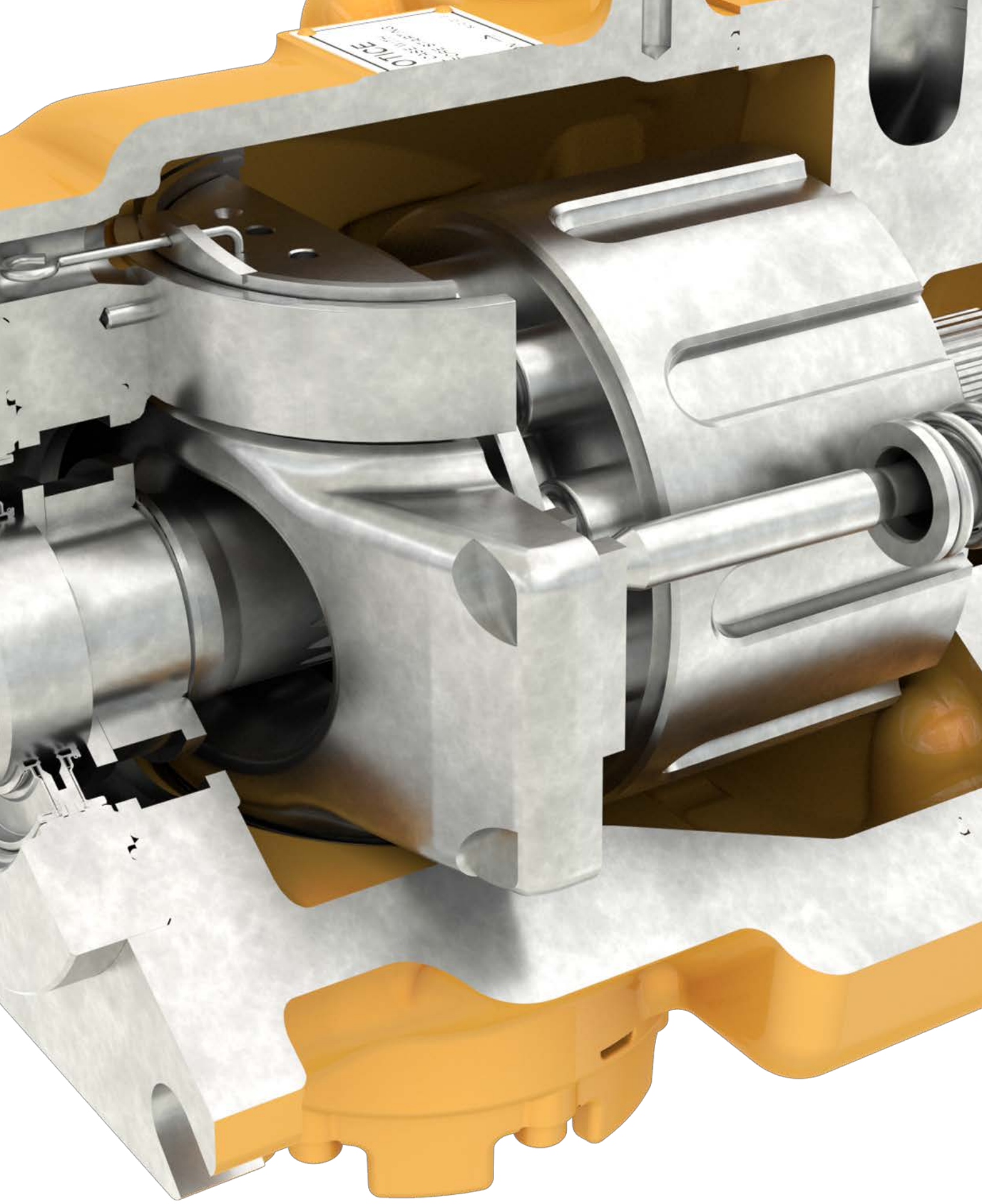
As an Original Equipment Manufacturer (OEM), you can count on Caterpillar for integrated systems that are performance-matched to meet your specific application requirements. By integrating Cat® systems into your products, your company can achieve product differentiation and gain a competitive edge in the marketplace. Your company can also benefit from the expertise and capabilities that have made Caterpillar one of the most recognized and respected brands in the world.

Cat pumps and motors are designed to meet specific application requirements, provide excellent performance capabilities in demanding conditions —as proven by extensive testing and experience in the field— and allow easy maintenance over the life of the equipment.

BUILT TO PERFORM

As an OEM, you can count on Caterpillar for innovative, integrated hydraulic solutions that can benefit your business in multiple ways.

- OEMs seeking standard, proven designs, and utmost convenience can count on us for components that get the job done.
- Manufacturers who need a little more flexibility can turn to us for specialized models to meet specific needs.
- OEMs can rely on Caterpillar to design, test and build pumps and motors to meet their specifications.



HYDRAULIC PUMPS

CXP HEAVY-DUTY PISTON PUMPS

Closed Loop— Generally used in systems requiring higher operating pressures for more demanding applications such as differential steering, hydrostatic transmissions, and drive systems. Designed for efficiency, these heavy-duty pumps feature hydro-mechanical or electro-hydraulic control, SAE pressure ports, SAE mounting flanges, and SAE splined shafts. Available options include stroke limiter, high pressure cutoff, direction of rotation, filtration, through drive, integral charge pump, and pressure port orientation.

Open Loop— Typically used in implement and steering systems where higher operating pressures are required for the most demanding applications. OEMs in the mobile equipment market appreciate the optional features of a stroke limiter, direction of rotation, through drive, and multiple pressure port orientations.

Open Loop (Side by Side)— Designed for implement and travel systems, this pump is well suited for applications requiring higher operation pressures with limited space. Optional features offered are stroke limiter and through drive.

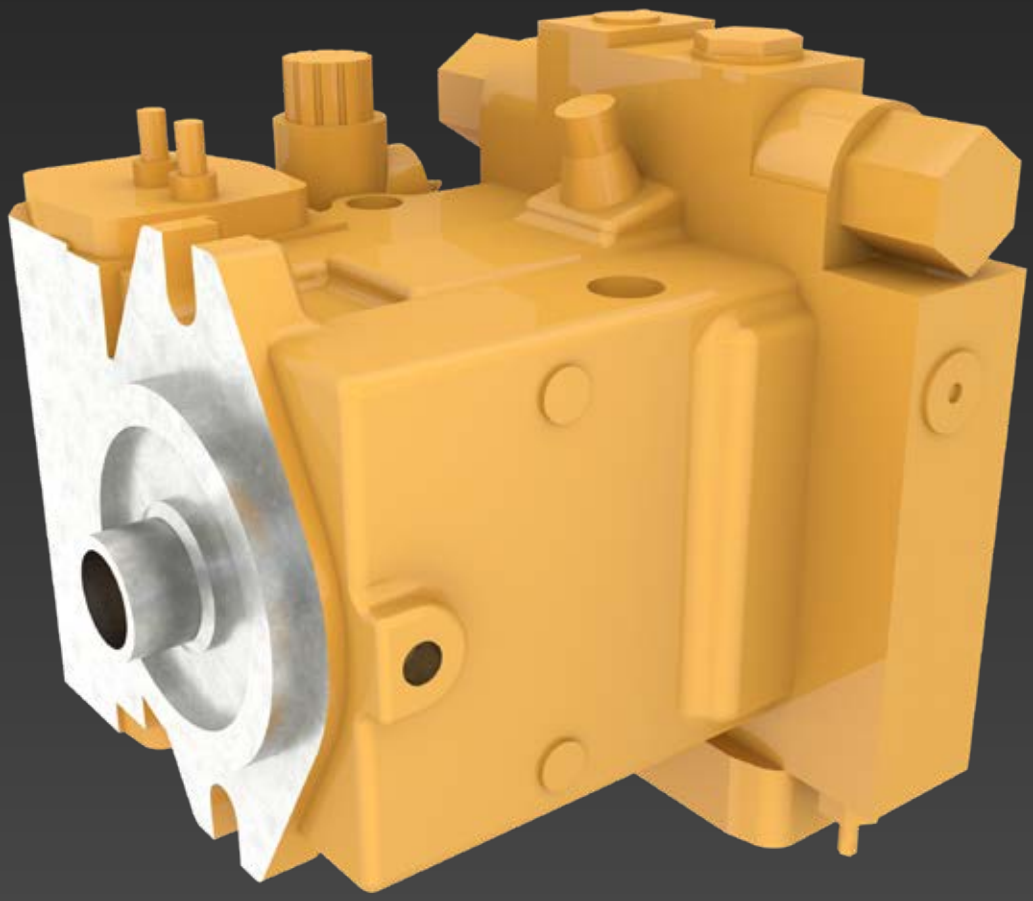
CXP HEAVY-DUTY PISTON PUMPS

CIRCUIT TYPE	DISPLACEMENT cc/rev (cu in/rev)		NOMINAL PRESSURE bar (psi)	CONTROL TYPES
CLOSED LOOP	28 (1.71) 56 (3.42) 90 (5.49) 180 (10.98)	40 (2.44) 71 (4.33) 125 (7.63) 250 (15.26)	up to 400 (5802)	Pilot Actuated Displacement Control E/H Actuated Displacement Control
OPEN LOOP	40 (2.44) 75 (4.58) 130 (7.93) 180 (10.98)	60 (3.66) 95 (5.80) 145 (8.85) 250 (15.26)	up to 350 (5076)	Load Sensing Displacement Control Variable Torque Control
OPEN LOOP Side by Side	80 (4.88) 140 (8.54)	120 (7.32) 200 (12.20)	up to 350 (5076)	Displacement Control Variable Torque Control

CMP MEDIUM-DUTY PISTON PUMPS

Open Loop— Applicable to implement, steering and braking systems, as well as fan drives, and undercarriage systems for mobile equipment, the medium-duty piston pump offers a cost-effective solution for lower pressure applications.

These medium-duty pumps feature multiple control types, SAE pressure ports, SAE mounting flanges, and SAE splined shafts. Available options include stroke limiter, direction of rotation, through drive, and pressure port orientation.



CXP MEDIUM-DUTY PISTON PUMPS

CIRCUIT TYPE	DISPLACEMENT cc/rev (cu in/rev)	NOMINAL PRESSURE bar (psi)	CONTROL TYPES
OPEN LOOP	18 (1.10) 28 (1.71) 45 (2.75) 60 (3.66) 71 (4.33) 90 (5.49) 100 (6.10) 140 (8.54)	up to 280 (4061)	Load Sensing Control Pressure Control Flow Control

HYDRAULIC MOTORS

CXM HEAVY-DUTY PISTON MOTOR

Variable— These high pressure, high torque, variable motors are used for demanding applications in either open or closed loop circuits. Optional features include stroke limiter, flushing valve, bi-directional rotation, counterbalance valve, and pressure port orientation.

2-Speed— Best suited for excavator traveling and/or undercarriage applications this motor has two operating speed points, plug-in mounting, integrated parking brake, and bi-directional rotation.

Fixed— The fixed motor provides an economical option for heavy-duty applications. Optional features for this motor are plug-in mounting, speed measurement, flushing, and counterbalance valves, shafts, and pressure port orientation.

Swing— This single-speed heavy-duty motor is best suited in tracked and wheeled hydraulic excavator applications. Features bi-directional rotation, cross-over relief valves, and a integrated parking brake.

CXM HEAVY-DUTY PISTON MOTORS

CIRCUIT TYPE	DISPLACEMENT cc/rev (cu in/rev)			NOMINAL PRESSURE bar (psi)	CONTROL TYPES
VARIABLE	55 (3.36) 140 (8.54)	80 (4.88) 160 (9.76)	107 (6.53) 200 (12.20) 250(15.26)	up to 400 (5802)	Displacement Control
2-SPEED	80 (4.88)	120 (7.32) 180 (10.98)	140 (8.54) 225 (13.73)	up to 350 (5076)	Displacement Control
FIXED	45 (2.75) 107 (6.53) 180 (10.98)	80 (4.88) 125 (7.63) 200 (12.20) 355 (21.66)	90 (5.49) 160 (9.76) 250 (15.26) 500 (30.51)	up to 400 (5802)	—
SWING		130 (7.93)	180 (10.98)	up to 350 (5076)	—

GLOBAL SERVICE & SUPPORT

Caterpillar and our dealers / distributors literally reach the four corners of the Earth — offering unmatched global coverage to meet unique local needs. Caterpillar offers a distribution network unparalleled in today's business climate.

By establishing a relationship with Caterpillar, your company will gain access to comprehensive support services designed to help businesses acquire, finance, maintain, and insure their products.

WE'RE PREPARED WITH EVERYTHING YOU NEED.

By supporting your components and operations, the Cat dealer network protects your relationship with your customers.

- Market-leading warranty
- Common service tooling and parts stock coverage
- Industry-leading parts availability
- Extended Service Contracts
- Customer Value Agreements
- Cat® Financial
- Reman options and Cat® Certified Rebuild programs

Add the power of fluid motion to your machines — and your business — with innovative hydraulic solutions from Caterpillar.

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For more information, contact your OEM Solutions Account Manager or email oem_solutions@cat.com