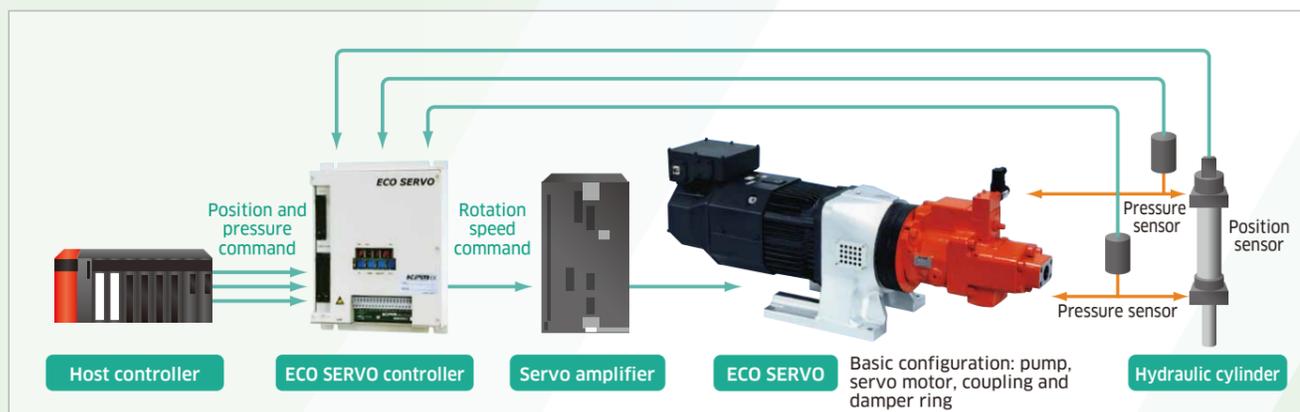


Product lineup

Pump displacement		cm ³	22	45	80	112	140	200	500						
Inverter drive	Motor capacity	kW	7.5	11	22	30	30	37	37	45	45	55	75	90	The pump displacement of 500 cm ³ is individually available. When considering this capacity, please contact Kawasaki for more details.
	Rated torque*2	N·m	47.7	70	140	191	191	235	235	286	286	350	477	572	
	Max. torque*3	N·m	71.6	105	211	287	287	353	353	429	429	525	715	858	
Servo drive	Motor capacity	kW	5	7	7	11	11	15	22	30	37	45	45	55	
	Rated torque*2	N·m	23.9	33.4	33.4	70	70	95.5	140	191	236	286	286	350	
	Max. torque*3	N·m	71.6	100	100	210	210	286	420	573	707	859	859	1,050	
Pump pressure	Max. operation	MPa	32												
	Peak	MPa	35												

*1: When you consider other combination of pump displacement and motor capacity, please contact Kawasaki for more details. *2: Rated speed of electric motor is 1,500 min⁻¹ (2,000 min⁻¹ for the servo drive rated at 5 kW and 7 kW). *3: The maximum torque is short-time rating value. Please select the appropriate servo or inverter drive, so that the effective torque for each cycle is below the corresponding rated torque.

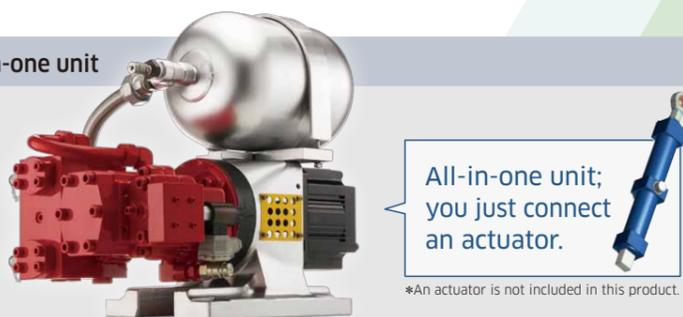
System configuration



Related products Pump, tank, valve block, all-in-one unit

ECO SERVO Package

All-in-one Kawasaki ECO SERVO package is now available. All peripheral equipment is incorporated into a compact package. All you need to do is just to connect an actuator.



The information described in this catalog is subject to revision or change for modification without notice.

KAWASAKI ECO SERVO

Electro-hydraulic hybrid system

New-generation high-performance control system that surpasses electric servo



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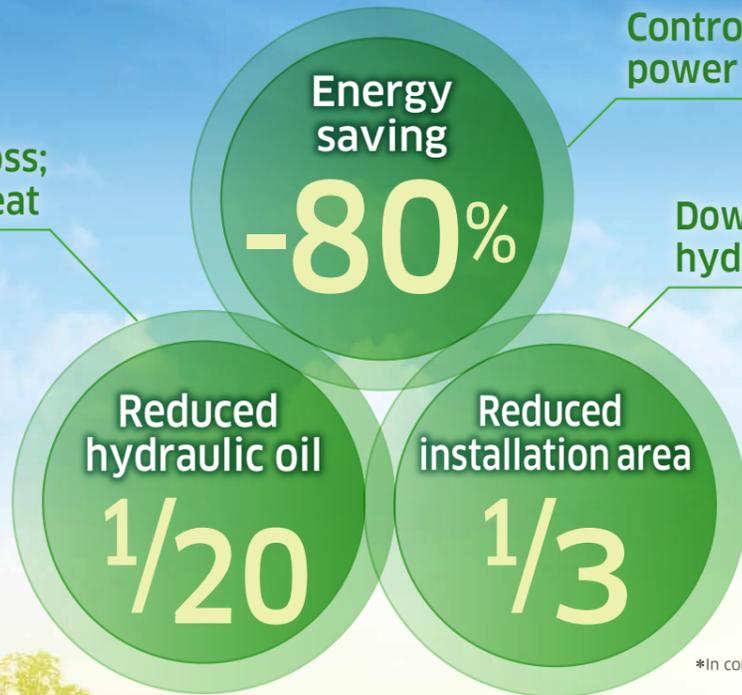


KAWASAKI ECO SERVO Electro-hydraulic hybrid system

Environmentally friendly ECO SERVO changes the operation of hydraulic machines.

ECO SERVO electrically controls the flow rate of hydraulic pumps and maintains the optimal operating conditions, providing solutions to the problems that industrial machine systems need to address, such as high capacity, high efficiency, and energy saving.

Reduced loss;
reduced heat



Controlled speed; reduced power consumption

Downsizing by a simplified hydraulic circuit

*In comparison with existing hydraulic systems



Expanded applications of ECO SERVO:

Various press machines (forging, automotive parts forming, CFRP forming, and scrapping), iron and steel machinery, transport equipment, machine tools, injection molding machines, test equipment, ventilation equipment, commercial dehydrators, marine civil engineering machinery, environmental facilities, etc.

Energy saving

An excellent energy saving system is achieved by highly efficient pump with controlled speed.

Reduced cost

Variable displacement pump with speed controller optimizes the motor capacity, thus reducing cost.

Improved controllability and control functionality

The electro-hydraulic hybrid system achieved excellent responsiveness and reproducibility comparable with an electric system.

Improved maintainability

A simplified hydraulic circuit eliminates operator's complicating adjusting works.

Lower noise

Idling stop system reduces overall operating noise.

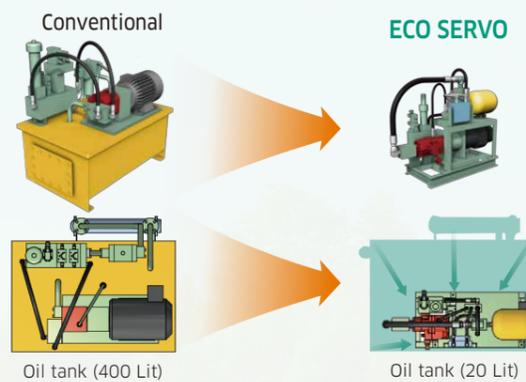
Compact configuration

Downsized oil tank and cooler capacity achieves more space saving.

ECO SERVO provides the optimal solutions to the various issues of industrial machine systems.

Substantially down-sized oil tank

Press machine application



Installation area -60%

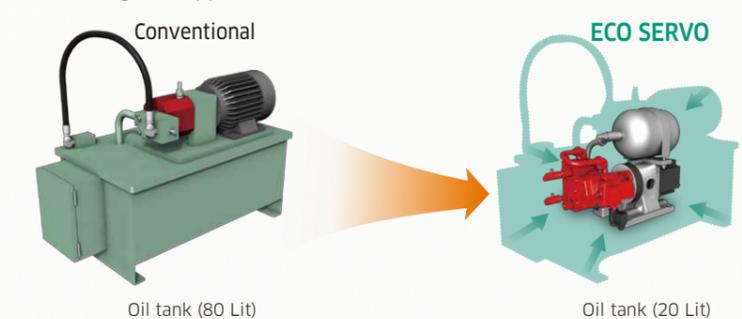


Oil tank capacity -95%



Space-saving machine tools

Machining tool application



Installation area -50%



Oil tank capacity -75%



Substantially reduced power consumption; reduced CO2 emissions

Industrial machine application



Power consumption -70%

