



Kayden Predator–2072

(2000 L/min) is capable of twice the capacity of the drilling industry's standard centrifuges.



Superior Solids Control

Kayden Industries specializes in helping Exploration and Environmental companies improve the **drilling performance** of their projects by utilizing our high volume centrifuges that:

- Maximize ROP
- Process 100% of hole volume
- Decrease mud disposal costs
- Reduce mud maintenance cost
- Mimimize drilled solids concentration

Predator Highlights	
Capacity	Water (hydraulic) – 2000 L/min. (460 gpm) Mud (unweighted) – 1500 L/min. (395 gpm)
Nominal Cut Point	5 – 10 micron (based on drilling fluids rheology)
Nominal Retention Time	5 Seconds
Feed Tube I.D.	2"

The larger bowl allows for the same amount of liquid retention time, along with the higher throughput.

The Kayden Predator KDX 2072 Decanter Centrifuge is capable of more than twice the capacity of the drilling industry's standard centrifuges. First released in 1996, it has consistently outperformed competitors in field comparisons and has the ability to process over 2000 L/min.

This translates into a higher volume of solids being removed from the drilling mud on the first circulation. This reduces the volume of solids that can degrade to the point where no centrifuge is capable of removing them.

The six-degree beach, one of the longest in the industry, allows for maximum drying time of the cuttings before they are discharged from the machine. This is particularly beneficial when used on invert drilling muds.

Safety Improvements

The unitized design of the KDX 2072 is safer and easier to setup. The guardrails always remain in position, and personnel are never required to be on or under the machine when setting up.

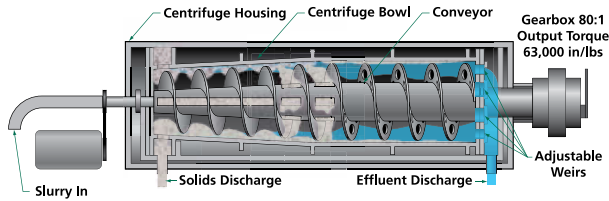
*These machines are manufactured and serviced by KAYDEN Industries directly.

*Stainless Steel rotating parts are assembled with tungsten carbide hard surfacing and variable pitch conveyor.



Predator-KDX 2072

Operation of the Predator Centrifuge



Technical Specifications for Predator	
Specifications:	Model KDX 2072
Bowl Dimensions:	20" x 72" (510 mm by 1830 mm)
Main Drive:	75 HP – Fixed Speed
Nominal RPM:	1800
Nominal G Force:	1135
Capacity:	Water (hydraulic) – 2000 L/min (460 gpm) Mud (unweighted) – 1500 L/min (395 gpm)
Feed Pump:	3" x 2" Mission Magnum c/w mechanical seal
Conveyer:	Single lead, tungsten carbide hard-surfaced
Gearbox:	80:1 (63,000 in/lbs)
Beach:	6 degree: 825 mm length (32.5 in)
Stand and Height:	Unitized and telescoping from 2.5m – 5m (8ft – 16ft)
Weight:	7045 kg (15,500 lbs)
Dimensions for Travel:	Length: 503 cm (16' 5") Width: 320 cm (10' 6") Height: 195.6 cm (77") to top of cover 320 cm (10' 6") to top of legs
Electrical Requirements:	480 V 3 Phase: 1 – 100 amp 3W4P plug
Feed Tube I.D.:	2"



Features and Benefits

- A high capacity 20" x 72" bowl driven by a 75 HP motor with a fluid clutch for soft starts.
- A hydraulic capacity of 2000 L/min.
- Stainless steel for specific high wear parts and for the case enclosing the bowl.
- Four vibration mounts isolating the bowl carrier frame. These protect the main bearings during transport and ensure quiet operation.
- Adjustable stand that allows for proper operational centrifuge height to enhance solids and liquid gravity discharge.
- A stand which is an integral part of the centrifuge. For safety, the guardrails always remain in position, and personnel are never required to be on, or under, the centrifuge during placement or extension.
- A remote electrical control panel that can be placed within 75' of the centrifuge.
- A 3" x 2" centrifugal feed pump powered by 20 HP motor. Both the feed pump and remote electrical panel are placed inside the unit for compact transportation.
- A 'torque out' reset that eliminates the mechanical shear pins.

