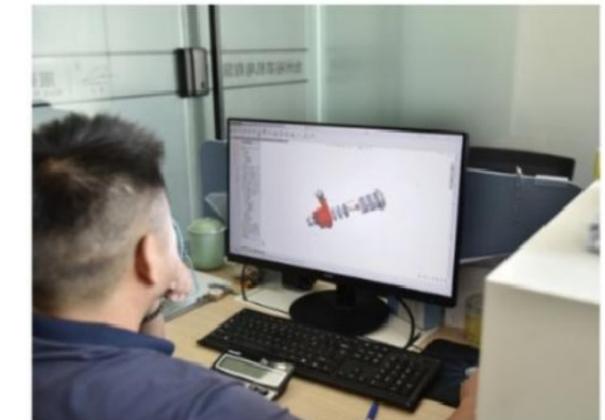


PRODUCT MANUAL

Timecore Intelligent Equipment Co., Ltd.

Timecore Fire Pumps

Factory Overview



Centrifugal Pump Series

Centrifugal Pump Series

Portable fire pump



■ Technical Specifications

JSD-CP15/06-200	
Pump Structure	centrifugal pump
Engine	2HP Single-cylinder Four-stroke Air-cooled Gasoline Engine
starting system	Recoil
The engine uses fuel	Pure gasoline(92#and above)
Maximum Flow Rate	200L/min
Maximum Pressure	0.6MPa
inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	11 kg
Dimensions	330×330x430mm

■ Product Features

- 1.Pump-Motor Assembly: Equipped with an enlarged single-stage centrifugal impeller pump driven by a four-stroke air-cooled gasoline engine.
- 2.Simple & Portable: Hand-pull start with easy operation and maintenance.Lightweight,efficient,and back-pack-carried for flexible deployment.
- 3.High Flow Capacity: Delivers a maximum flow rate of 200 L/min,efficiently meeting the high-volume water supply demands of firefighting operations.
- 4.End-Point Boosting: Provides effective pressurization for up to 200 m at the end point,ensuring reliable suppression capability.





Portable fire pump

■ Technical Specifications



JSD-CP19/08-218	
Pump Structure	centrifugal pump
Engine	Single-cylinder two-stroke air-cooled engine, power 2.6HP
Starting system	Recoil
Engine fuel	Mixed fuel (gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	218L/min
Maximum Pressure	0.8MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	10kg
Dimensions	435x350x395mm

■ Product Features

1. Pump-Motor Assembly: Equipped with an enlarged single-stage centrifugal impeller pump driven by a four-stroke air-cooled gasoline engine.
2. Simple & Portable: Hand-pull start with easy operation and maintenance. Lightweight, efficient, and backpack-carried for flexible deployment.
3. High Flow Capacity: Delivers a maximum flow rate of 200 L/min, efficiently meeting the high-volume water supply demands of firefighting operations.
4. End-Point Boosting: Provides effective pressurization for up to 200 m at the end point, ensuring reliable suppression capability.

Portable fire pump

■ Technical Specifications



JSD-CP15/08-150	
Pump Structure	centrifugal pump
Engine	2HP Single-cylinder Four-stroke Air-cooled Gasoline Engine
Starting system	Recoil
Engine fuel	Pure gasoline (92# and above)
Maximum Flow Rate	150L/min
Maximum Pressure	0.81MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	12 kg
Dimensions	330x330x430mm

■ Product Features

1. Pump-Motor Assembly: Composed of a two-stage centrifugal pump paired with a four-stroke air-cooled gasoline engine.
2. Simple & Portable: Hand-pull start with easy operation and maintenance. Lightweight, efficient, and designed for backpack use.
3. End-Point Boosting: Provides effective pressurization for up to 200 m at the end point to enhance firefighting performance.

High-pressure Relay Fire Pump

Technical Specifications

JSD-CP73/20-250	
Pump Structure	centrifugal pump
Engine	Single-cylinder, two-stroke, water-and air-cooled engine, 10HP, external fuel tank
Starting system	One-touch electric start and recoil start
Engine fuel	Mixed fuel (gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	250L/min
Maximum Pressure	2.0MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	13kg
Dimensions	360x320x320mm



Product Features

- 1. Versatile Pump Function:** Can serve as an auxiliary pump in series configuration or as a primary pump at the water source. Lightweight with high flow and strong penetration.
- 2. Easy Start & Durable Operation:** Simple and reliable start-up, built for high-intensity and long-duration firefighting. Provides rapid water delivery, supporting the "water arrives as firefighters arrive" tactical approach for safe and effective suppression.
- 3. High Lift & Flexible Deployment:** A single pump delivers up to 200m lift. Multiple pumps can be connected in series or parallel to suppress and block fire fronts, making it ideal for high-intensity forest firefighting.

Portable high-pressure fire pump

Technical Specifications

JSD-CP73/16-380	
Pump Structure	centrifugal pump
Engine	Single-cylinder, two-stroke, water-and air-cooled engine, 10HP external fuel tank
Starting System	One-touch electric start and recoil start
Engine fuel	Mixed fuel (gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	380L/min
Maximum Pressure	1.65MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	12.5 kg
Dimensions	370x280x320mm



Product Features

- 1. Versatile Pump Role:** Can be configured as an auxiliary pump in series or as a primary pump at the water source. Lightweight with high flow and strong penetration.
- 2. Quick Start & Durable Operation:** Simple and reliable start-up with strong endurance for high-intensity operations. Delivers rapid water supply to support the "water arrives as firefighters arrive" tactical approach for safe and efficient firefighting.
- 3. High Lift & Flexible Configuration:** Single pump provides up to 160m lift. Multiple pumps can be deployed in series or parallel to suppress and block fire fronts, making it ideal for high-intensity forest firefighting.

Portable high-pressure relay forest fire pump

■ Technical Specifications



JSD-CP58/14-330	
Pump Structure	centrifugal pump
Engine	8HP Two-stroke Air-cooled Gasoline Engine
Starting System	Recoil and electric start
Engine fuel	Mixed fuel(gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	330L/min
Maximum Pressure	1.45MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	15.2 kg
Dimensions	340x380x340mm

■ Product Features

- 1. Lightweight & Powerful:** Strong power, high mobility, and lightweight design. Multiple pumps can be connected in series to achieve long-distance water delivery for firefighting.
- 2. Portable & Efficient:** Easy to deploy with high flow output, offering rapid setup and high efficiency. Ideal for professional forest firefighting teams at all levels engaged in high-intensity operations.
- 3. Flexible Multi-Pump Deployment:** Supports both series and parallel configurations, adaptable to areas with sufficient water supply and complex terrain for effective forest firefighting.

High-pressure forest fire pump

■ Technical Specifications



JSD-CP88/20-400	
Pump Structure	centrifugal pump
Engine	Single-cylinder, two-stroke, water-and air-cooled engine, 12 HP external fuel tank
Starting System	Recoil and electric start
Engine fuel	Mixed fuel(gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	400L/min
Maximum Pressure	2.0MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	16.5 kg
Dimensions	410x390x220mm

■ Product Features

- 1. Triple-Stage Centrifugal Structure:** Designed with a multi-level centrifugal system, featuring high flow capacity and strong penetration. It meets the demands of high-elevation and long-distance water delivery, ensuring continuous and powerful output under high-pressure conditions.
- 2. Dual Start with Overrunning Clutch:** Offers both manual and electric start modes with an integrated overrunning clutch mechanism. Electric start provides quick and efficient ignition, while manual start ensures reliable backup for emergency scenarios. This dual safeguard enhances start-up stability and prevents gear damage. An optional remote start feature further improves operational flexibility, enabling remote control in complex environments.
- 3. Versatile Deployment:** Can flexibly serve as a primary pump at the water source or as an auxiliary pump in multi-pump series setups. With simple start-up, durable performance, and rapid water delivery, it supports the "water arrives as firefighters arrive" tactical approach, specifically engineered for high-intensity forest firefighting.



High-pressure relay fire pump

■ Technical Specifications

JSD-CP88/22-280	
Pump Structure	centrifugal pump
Engine	Single-cylinder, two-stroke, water-and air-cooled engine, 10HP, external fuel tank
Starting System	Recoil
Engine fuel	Mixed fuel (gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	280L/min
Maximum Pressure	2.2MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	10 kg
Dimensions	395x320x195mm



■ Product Features

1. Pump Structure: Multistage centrifugal pump with a wider impeller flow channel and a specially designed closed forced guide pressurization structure, achieving high-pressure performance with a maximum head of 220 meters.

2. Auxiliary Pump in Series or Main Pump at Water Source: Lightweight, high flow rate, strong penetration, easy to start, and highly durable for long-term operation. Delivers water quickly and supports tactical firefighting by ensuring that water arrives as soon as personnel do. Ideal for high-intensity wildfire suppression in forest areas.

Centrifugal Pump Series

■ Technical Specifications

JSD-CP88/28-300	
Pump Structure	centrifugal pump
Engine	Single-cylinder, two-stroke, water-and air-cooled engine, 12HP external fuel tank
Starting system	Recoil and electric start
Engine fuel	Mixed fuel (gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	300L/min
Maximum Pressure	2.8MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net weight	13 kg
Dimensions	405x320x170mm



■ Product Features

1. Triple-Impeller High-Pressure System: Features a multi-level impeller structure with widened impeller channels and a closed pressurization system, delivering ultra-high pressure of 2.8 MPa. Provides strong penetration to effectively suppress fires under dense forest vegetation. Supports series configuration for long-distance water delivery, making it ideal for large-scale forest firefighting operations.

2. Dual Start & Lightweight Design: Equipped with both manual and electric start modes, grease lubrication, and a compact overall layout. The lightweight design allows single-person backpack carrying without additional transport, ensuring flexible movement through narrow forest paths, slopes, and other complex terrains.

3. Versatile Pump Role: Can serve as either an auxiliary pump in series configuration or as a primary pump at the water source. Delivers lightweight construction, high pressure, and strong penetration for demanding firefighting tasks.

High-pressure relay fire pump

■ Technical Specifications

JSD-CP88/22-280	
Pump Structure	centrifugal pump
Engine	Single-cylinder, two-stroke, water-and air-cooled engine, 10HP, external fuel tank
Starting System	Recoil
Engine fuel	Mixed fuel (gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	280L/min
Maximum Pressure	2.2MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	10 kg
Dimensions	395x320x195mm



■ Product Features

- 1. Pump Structure:** Multistage centrifugal pump with a wider impeller flow channel and a specially designed closed forced guide pressurization structure, achieving high-pressure performance with a maximum head of 220 meters.
- 2. Auxiliary Pump in Series or Main Pump at Water Source:** Lightweight, high flow rate, strong penetration, easy to start, and highly durable for long-term operation. Delivers water quickly and supports tactical firefighting by ensuring that water arrives as soon as personnel do. Ideal for high-intensity wildfire suppression in forest areas.

■ Technical Specifications

JSD-CP88/28-300	
Pump Structure	centrifugal pump
Engine	Single-cylinder, two-stroke, water-and air-cooled engine, 12HP external fuel tank
Starting system	Recoil and electric start
Engine fuel	Mixed fuel (gasoline mixed with two-stroke engine oil)
Maximum Flow Rate	300L/min
Maximum Pressure	2.8MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net weight	13 kg
Dimensions	405x320x170mm



■ Product Features

- 1. Triple-Impeller High-Pressure System:** Features a multi-level impeller structure with widened impeller channels and a closed pressurization system, delivering ultra-high pressure of 2.8 MPa. Provides strong penetration to effectively suppress fires under dense forest vegetation. Supports series configuration for long-distance water delivery, making it ideal for large-scale forest firefighting operations.
- 2. Dual Start & Lightweight Design:** Equipped with both manual and electric start modes, grease lubrication, and a compact overall layout. The lightweight design allows single-person backpack carrying without additional transport, ensuring flexible movement through narrow forest paths, slopes, and other complex terrains.
- 3. Versatile Pump Role:** Can serve as either an auxiliary pump in series configuration or as a primary pump at the water source. Delivers lightweight construction, high pressure, and strong penetration for demanding firefighting tasks.

High-pressure relay fire pump

■ Technical Specifications



JSD-CP42/14-280	
Pump	centrifugal pump
Structure	
Engine	5.7 Single-cylinder Four-stroke Air-cooled Gasoline Engine
Starting System	Recoil
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	280L/min
Maximum Pressure	1.45MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net weight	26kg
Dimensions	515x460x425mm

■ Product Features

- 1.Powerful &Highly Mobile:**Strong power and excellent maneuverability.Multiple pumps can be connected in series to achieve long-distance water delivery for firefighting.
- 2.Portable &Efficient:** Lightweight and easy to deploy,with high flow capacity.Supports multi-pump series operation to suppress or block fire fronts,making it suitable for both professional and semi-professional teams in high-intensity forest firefighting.
- 3.Flexible Multi-Pump Deployment:**Can be configured in series or parallel,ideal for firefighting in forest areas with sufficient water supply and complex terrain.
- 4.Aerospace-Grade Aluminum Components:**Key parts are made of high-strength,lightweight aluminum alloy with specialized surface treatment,providing superior durability and corrosion resistance.

High-Pressure Relay Fire Pump

■ Technical Specifications



	JSD-CP47/14-380	JSD-CP66/18-380
Pump Structure	centrifugal pump	
Engine	6.5HP Four-stroke,single-cylinder,ai-cooled,6.5HP	9.5HP
Starting System	Recoil	
Engine fuel	Pure gasoline(92#and above)	
Maximum Flow Rate	380L/min	380L/min
Maximum Pressure	1.45MPa	1.8MPa
Inlet Diameter	50mm	50mm
Outlet Diameter	40mm	40mm
Net Weight	30kg	38.5kg
Dimensions	415×500x450mm	475×535x505mm

■ Product Features

- 1.Powerful &Highly Mobile:**Strong power and excellent maneuverability.Multiple pumps can be connected in series to achieve long-distance water delivery for firefighting.
- 2.Portable &Efficient:** Lightweight and easy to deploy,with high flow capacity.Supports multi-pump series operation to suppress or block fire fronts,making it suitable for both professional and semi-professional teams in high-intensity forest firefighting.
- 3.Flexible Multi-Pump Deployment:**Can be configured in series or parallel,ideal for firefighting in forest areas with sufficient water supply and complex terrain.
- 4.Aerospace-Grade Aluminum Components:**Key parts are made of high-strength,lightweight aluminum alloy with specialized surface treatment,providing superior durability and corrosion resistance.

Comprehensive rescue forest fire pump

■ Technical Specifications



JSD-CP170/30-360	
Pump Structure	centrifugal pump
Engine	23HP twin cylinder four stroke air-cooled engine
Starting System	Recoil and electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	360L/min
Maximum Pressure	3.0MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net weight	86kg
Dimensions	860x550x580mm

■ Product Features

- 1.Simple Operation &Fast Water Delivery:** User-friendly system with high delivery speed,suitable for long-distance water supply and high-altitude firefighting.
- 2.High Flow &Strong Penetration:** Two pumps in series can achieve up to 5 km horizontal range and 300 m vertical lift for long-distance and mountainous firefighting.No need to carry pumps uphill—only fire hoses need to be connected.With simple,error-free operation,it can suppress or block fire fronts,making it idealfor high-intensity forest firefighting.
- 3.Powerful Main Pump Capability:**Functions as a primary pump at the foot of the mountain,with no less than 260m lift.A single pump can support two nozzles for long-distance fire line suppression and deliver water within a 3 km radius.
- 4.Flexible Multi-Pump Configuration:** Multiple pumps can be deployed in series or parallel,suitable for forest firefighting in areas with sufficient water supply and complex terrain.
- 5.High-Strength Lightweight Materials:**Key components are made of aerospace-grade aluminum alloy,ensuring high strength,reduced weight,and excellent corrosion resistance through specialized surface treatment.

High-lift fire pump

■ Technical Specifications



JSD-CP205/34-360	
Pump Structure	centrifugal pump
Engine	28HP four stroke dual cylinder air-cooled engine
Starting System	Recoil and electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	360L/min
Maximum Pressure	3.4MPa
inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	107kg
Dimensions	940x630x670mm

■ Product Features

- 1.Simple Operation &Fast Water Delivery:**User-friendly system with high delivery speed,suitable for long-distance water supply and high-altitude firefighting.
- 2.High Flow &Strong Penetration:** Two pumps in series can achieve up to 5 km horizontal range and 300 m vertical lift for long-distance,mountainous firefighting.No need to carry pumps uphill—only fire hoses need to be connected.With simple,error-free operation,it can suppress or block fire fronts,making it ideal for high-intensity forest firefighting.
- 3.Powerful Main Pump Capability:** Functions as a primary pump at the foot of the mountain,with no less than 300 m lift.A single pump can support two nozzles for long-distance fire line suppression and deliver water upto a 3 km radius.
- 4.Flexible Multi-Pump Configuration:** Multiple pumps can be set up in series or parallel,suitable for forest firefighting in areas with sufficient water supply and complex terrain.



High Head Fire-fighting Pump

Technical Specifications



JSD-CP260/45-360	
Pump Structure	centrifugal pump
Engine	Four-stroke,twin-cylinder, air-cooled,35HP
Starting System	Recoil and electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	360L/min
Maximum Pressure	4.5MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net weight	150kg
Dimensions	1140x630x700mm

Product Features

- 1.Simple Operation &Fast Water Delivery:User-friendly system with high delivery speed,suitable for long-distance water supply and high-altitude firefighting.
- 2.High Flow &Strong Penetration: Two pumps in series can achieve up to 5 km horizontal range and 300 m vertical lift for long-distance,mountainous firefighting.No need to carry pumps uphill—only fire hoses need to be connected.With simple,error-free operation,it can suppress or block fire fronts,making it ideal for high-intensity forest firefighting.
- 3.Powerful Main Pump Capability: Functions as a primary pump at the foot of the mountain,with no less than 300 m lift.A single pump can support two nozzles for long-distance fire line suppression and deliver water up to a 3 km radius.
- 4.Flexible Multi-Pump Configuration: Multiple pumps can be set up in series or parallel,suitable for forest firefighting in areas with sufficient water supply and complex terrain.

High-lift fire pump

Water Hose Backpack

JSD-WB-BAG

- 1.Backpack Body: Constructed with an orange-red polyester abrasion-resistant outer layer,featuring an inner PVC waterproof coating.
- 2.Frame: Reinforced stainless steel tubing combined with precision-assembled PPR structural components.
- 3.Ergonomic Design: EVA-padded,widened and thickened shoulder straps with waist support for enhanced carrying comfort.
- 4.Capacity:Accommodates 3-4 fire hoses,allowing for quick and efficient hose deployment.
- 5.Dimensions(L×W×H) :450×260×600 mm.



Compliant with the GB6246-2011 standard for fire hoses,forest high-pressure specialized hoses have a beautiful appearance, good pressure resistance,wear resistance,cold resistance,aging resistance,and a long service life.



Centrifugal Pump Series



4L fuel tank



Water mist nozzle



Three-way valve



Check valve



Multi-functional pump accessory backpack



Foot valve



Adapter



Straight stream nozzle



Water stop pliers



Fog nozzle



Syringe-type water pump



Fire hose wrench



Centrifugal Pump Series

Long-distance High-efficiency Forest Fire Pump



■ Technical Specifications

JSD-DP47/60-40	
Pump	Plunger Pump
Structure	
Engine	Four-stroke, single-cylinder, air-cooled, 6.5 HP power
Starting System	Recoil
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	40L/min
Maximum Pressure	6MPa
Inlet Diameter	25mm
Outlet Diameter	25mm/10mm
Net Weight	35kg
Dimensions	670x500x470mm

■ Product Features

- 1. Water-Saving&High-Efficiency:** Capable of creating a fine water mist with strong penetration, delivering streams suitable for mountainous and complex terrain. Suitable for portable, or fixed modular firefighting systems.
- 2. Rapid Initial Response:** Designed for quick suppression of small fires in the early stage, especially in areas with limited water supply or for clearing vegetation in dense firegrounds with vehicle-mounted water sources.
- 3. Long-Distance Capability:** A single pump can achieve up to 600 meters of vertical lift and approximately 6 kilometers of horizontal firefighting range.
- 4. Practical Design:** Equipped with self-priming capability and low water quality requirements, ensuring reliable performance in diverse field conditions.

Long-distance High-pressure Forest Fire Pump



■ Technical Specifications

JSD-DP95/60-80	
Pump	Plunger Pump
structure	
Engine	Four-stroke, single-cylinder, air-cooled, 13HP power
Starting System	Recoil and electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	80L/min
Maximum Pressure	6MPa
Inlet Diameter	32mm
Outlet Diameter	25mm/40mm
Net Weight	101kg
Dimensions	940x690x620mm

■ Product Features

- 1. Easy Operation with Long-Distance Capability:** Simple operating system with powerful water delivery. A single pump achieves a vertical lift of over 600 meters and a horizontal firefighting range of 6-10 kilometers, ideal for high-intensity wildfire suppression in forest areas.
- 2. Efficient Supply without Carrying Pumps Uphill:** Eliminates the need to carry pumps into mountainous areas. By simply laying fire hoses, the system enables efficient water supply, particularly effective for large-scale forest firefighting where water sources are scarce and terrain is challenging.
- 3. High Pressure & Strong Penetration:** Provides strong penetration, water-saving performance, and high firefighting efficiency. Especially suitable for limited water sources and long-distance operations across complex terrains.



Long-distance High-pressure Forest Fire Pump

■ Technical Specifications



JSD-DP205/80-150	
Pump structure	Plunger Pump
Engine	Four-stroke, twin-cylinder, air-cooled, 28HP power
Starting System	Electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	150L/min
Maximum Pressure	8MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net weight	130kg
Dimensions	940x630x670mm

■ Product Features

- 1.Simple Operation with Long-Distance Water Delivery:** Easy-to-use system delivering strong penetration power.A single pump achieves a vertical lift of over 800 meters and a horizontal firefighting range of 8-10 kilometers.No need to carry the pump uphill—only fire hoses need to be connected on the mountain.The system enables error-free, simple operation and, when combined with mobile water sources such as tankers, is highly effective for high-intensity forest firefighting.
- 2.High Pressure &Water-Saving Efficiency:** Delivers high pressure with strong penetration while ensuring efficient water usage.Especially suitable for water-scarce environments, long-distance supply, and complex terrain.
- 3.Safety &Reliability:** Equipped with an adjustable automatic overflow safety valve and an overpressure auto-shutdown system, ensuring safe.

Heavy-duty forest fire pump

■ Technical Specifications



JSD-DP260/80-180	
Pump Structure	Plunger Pump
Engine	Four-stroke, twin-cylinder, air-cooled, 35HP power
Starting System	Electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	180L/min
Maximum Pressure	8MPa
inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	180kg
Dimensions	1135x750x700mm

■ Product Features

- 1.Simple Operation with Long-Distance Capability:** User-friendly operating system with strong penetration power.A single pump delivers a vertical lift of over 800 meters and a horizontal firefighting range of 6-10 kilometers.No need to carry the pump uphill—only fire hoses are connected on the mountain.With zero-error simple operation and integration with mobile water sources such as tankers, it is highly effective for high-intensity forest firefighting.
- 2.High Pressure, Strong Penetration &Water-Saving Efficiency:** Provides high pressure, powerful penetration, water-saving performance, and efficient firefighting. Well-suited for limited water sources, long-distance supply, and complex terrain conditions.
- 3.Integrated Mobile Water Supply System:** When combined with mobile water sources such as tankers, it enables a rapid "mobile water source-long-distance delivery-high-pressure firefighting" operational chain. This integrated system is designed for high-intensity forest fire suppression, meeting the requirements of "rapid response and dynamic adjustment" in forest fire scenarios.

Heavy-duty water pump

■ Technical Specifications



JSD-DP260/10-96	
Pump	Plunger Pump
Structure	
Engine	Four-stroke, twin-cylinder, air-cooled, 35HP
Starting system	Electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	96L/min
Maximum Pressure	10MPa
inlet Diameter	40mm
Outlet Diameter	40mm
Net Weight	120kg
Dimensions	975x665x720mm

■ Product Features

- 1.Simple Operation &Long-Distance Capability: User-friendly operating system with strong penetration power. A single pump delivers a vertical lift of over 1,000 meters and a horizontal firefighting range of 6-10 kilometers. No need to carry the pump uphill—only fire hoses need to be connected on the mountain.With error-free and simple operation,combined with mobile water sources such as tankers,it is ideally suited for high-intensity forest firefighting.
- 2.High Pressure &Water-Saving Efficiency:Provides high pressure with strong penetration,ensuring efficient water use and effective firefighting performance.Well-suited for limited water supply,long-distance water delivery,and complex terrain.
- 3.Enhanced Safety Design:Equipped with an adjustable automatic overflow safety valve and an overpressure auto-shutdown system,ensuring safe,reliable.

Accessories for piston pumps/diaphragm pumps



24L fuel tank



DC spray gun



Floating Suction Strainer



Three-way valve



Stainless Steel Check Valv



Reinforced Discharge Hose



Suction Hose

Centrifugal Pump Series



Diaphragm Pump Series

Backpack High-pressure Forest Fire Pump

■ Technical Specifications



JSD-DP16/40-40

Pump Structure	Diaphragm pump
Engine	Four-stroke, single-cylinder, air-cooled, 1.6kW
starting system	Recoil
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	40L/min
Maximum Pressure	4MPa
Inlet Diameter	25mm
Outlet Diameter	25mm
Net Weight	17.5kg
Dimensions	530×330×525mm

■ Product Features

1. Lightweight & Portable Design: Single-person backpack structure, lightweight and highly mobile, allowing rapid arrival at forest areas for firefighting operations.

2. Simple Operation & Powerful Performance: Easy to use with no complicated adjustments. Strong power and high-lift design enable efficient water supply over long distances and steep elevations, meeting diverse operational needs.

3. Self-Priming Function: Eliminates the need for manual priming, allowing rapid deployment in emergencies and reducing the operation threshold.

Long-distance High-pressure Forest Fire Pump

■ Technical Specifications



JSD-DP47/60-60	
Pump Structure	Diaphragm pump
Engine	Four-stroke, single-cylinder, air-cooled, 4.7kW
Starting System	Recoil
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	60L/min
Maximum Pressure	6MPa
Inlet Diameter	40mm
Outlet Diameter	40mm
Net Weight	36kg
Dimensions	650x450x450mm

■ Product Features

1. Robust & Protective Frame: Simplified stainless-steel fully enclosed structure with a compact design, providing strong protection. Equipped with a planetary reducer for reliable and efficient operation. Vibration-damping pads at the base effectively absorb shocks, reduce noise, and minimize component wear.
2. High Efficiency & Self-Priming: Features high transmission efficiency, stable and reliable performance, making it suitable for intensive, long-distance, and complex forest firefighting operations. The pump is equipped with a self-priming function and requires only low water quality, enabling quick deployment in demanding environments.

Long-distance High-pressure Forest Fire Pump

■ Technical Specifications



JSD-DP58/60-80	
Pump structure	Diaphragm pump
Engine	Four-stroke, single-cylinder, air-cooled, 5.8kW
Starting system	Recoil
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	80L/min
Maximum Pressure	6MPa
Inlet Diameter	40mm
Outlet Diameter	40mm
Net Weight	44kg
Dimensions	700x470x515mm

■ Product Features

1. Easy Start & High Mobility: Designed for quick start-up and flexible maneuverability.
2. High Lift & High-Pressure Water Mist: Delivers strong pumping head and efficient high-pressure mist for effective firefighting.
3. Low Water Quality Requirement: Operates reliably with simple handling, even under limited water conditions.
4. Specialized for Challenging Terrains: Ideally suited for water-scarce regions and high-altitude mountain areas.
5. Adjustable Safety Valve: Equipped with an automatic adjustable overflow safety valve for secure operation.

High-head Forest Fire Pump

■ Technical Specifications



JSD-DP97/60-130	
Pump Structure	Diaphragm pump
Engine	Four-stroke, single-cylinder, air-cooled, 9.7kW
Starting System	Electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	130/min
Maximum Pressure	6MPa
Inlet Diameter	40mm
Outlet Diameter	40mm
Net Weight	104kg
Dimensions	940x630x670mm

■ Product Features

1. Easy Start & High Mobility: Designed for quick start-up and flexible maneuverability.
2. High Lift & High-Pressure Water Mist: Delivers strong pumping head and efficient high-pressure mist for effective firefighting.
3. Low Water Quality Requirement: Operates reliably with simple handling, even under limited water conditions.
4. Specialized for Challenging Terrains: Ideally suited for water-scarce regions and high-altitude mountain areas.
5. Adjustable Safety Valve: Equipped with an automatic adjustable overflow safety valve for secure operation.

High-head Forest Fire Pump

■ Technical Specifications



JSD-DP205/60-180	
Pump Structure	Diaphragm pump
Engine	Four-stroke, twin-cylinder, air-cooled, 20.5kW
Starting system	Electric start
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	180L/min
Maximum Pressure	6MPa
inlet Diameter	40mm
Outlet Diameter	40mm
Net Weight	152kg
Dimensions	1020x630x680mm

■ Product Features

1. Simple Operation & Long-Distance Capability: User-friendly operating system with strong penetration power. A single pump delivers a vertical lift of over 500 meters and a horizontal firefighting range of 8-10 kilometers. No need to carry the pump uphill—only fire hoses need to be connected on the mountain. With error-free and simple operation, combined with mobile water sources such as tankers, it is ideally suited for high-intensity forest firefighting.
2. High Pressure & Water-Saving Efficiency: Provides high pressure with strong penetration, ensuring efficient water use and effective firefighting performance. Well-suited for limited water supply, long-distance water delivery, and complex terrain.



Long-distance High-pressure Forest Fire Pump

■ Technical Specifications



JSD-DP260/60-260	
Pump Structure	Diaphragm pump
Engine	Four-stroke,twin-cylinder,air-cooled,26kW
Starting System	Recoil
Engine fuel	Pure gasoline(92#and above)
Maximum Flow Rate	260L/min
Maximum Pressure	6MPa
Inlet Diameter	50mm
Outlet Diameter	40mm
Net Weight	180kg
Dimensions	1090x630x750mm

■ Product Features

1.Simple Operation &Long-Distance Capability:User-friendly operating system with strong penetration power. A single pump delivers a vertical lift of over 600 meters and a horizontal firefighting range of 6 kilometers.No need to carry the pump uphill—only fire hoses need to be connected on the mountain.With error-free and simple operation,combined with mobile water sources such as tankers,it is ideally suited for high-intensity forest firefighting.

2.High Pressure &Water-Saving Efficiency: Provides high pressure with strong penetration,ensuring efficient water use and effective firefighting performance.Well-suited for limited water supply,long-distance water delivery,and complex terrain.

3.The pump set comes with a planetary reducer.

Equipment Series



High-pressure Backpack Water Mist Fire Pump

■ Technical Specifications



JSD-570S	
Engine (or Motor)	Single-cylinder, four-stroke, air-cooled gasoline engine
Power	1.8HP/7000
Startup method	Pull to start
Water bag	Mobile backpack water bag, with a capacity of 20L
Spray gun form	Hand-held switch spray gun, two-section extended telescopic spray gun
Sprayer head form	Direct current, atomization
Frame	SUS304 不锈钢 SUS304 stainless steel
Maximum pressure	8MPa
Maximum injection flow	4L/min
Net Weight	14kg
Overall dimensions	490X300X480mm

■ Product Features

- 1.Compact & Portable Design:** Lightweight backpack system with fine water mist providing strong penetration, effectively extinguishing hidden fire sources and preventing re-ignition.
- 2.Relay Firefighting Capability:** Equipped with multiple backpack water bags to enable continuous relay operations.
- 3.Versatile Nozzle Options:** Fitted with a convertible nozzle for long-range jet or high-pressure mist spray, enhancing adaptability in different firefighting conditions.
- 4.Multi-Scenario Application:** Designed for rapid suppression of initial small fires and post-fire ground clearing, and can also be used to create temporary mist water barriers.

Lightweight High-pressure Backpack Water Mist Fire

■ Technical Specifications



JSD-450	
Engine (or Motor)	Single-cylinder, four-stroke, air-cooled gasoline engine
Power	1.36HP/7000
Startup method	Pull to start
Water bag	Mobile backpack water bag, with a capacity of 20L
Spray gun form	Hand-held switch spray gun, two-section extended telescopic spray gun
Sprayer head form	Direct current, atomization
Frame	Aluminum alloy anti-corrosion treatment
Maximum pressure	5MPa
Maximum injection flow	4.7L/min
Net Weight	8kg
Overall dimensions	310×250×470mm

■ Product Features

- 1.Compact & Lightweight Design:** Easy for single-person operation, highly portable and maneuverable. Features efficient water mist with strong penetration, capable of extinguishing concealed fire sources and preventing re-ignition.
- 2.Relay Firefighting Support:** Equipped with multiple backpack water bags to enable continuous relay firefighting.
- 3.Rotating Nozzle Functionality:** Comes with a rotary nozzle that allows both long-range jet and high-pressure mist spray for flexible firefighting applications.
- 4.Multi-Scenario Use:** Ideal for rapid suppression of initial small fires and post-fire ground clearing, and can also be used to create temporary mist water barriers.

Portable Water Spray Gun



■ Technical Specifications

JSD-B30/0.06-ES	
Pump Assembly	Dual DC Diaphragm Pump
Starting system	Electric Start
Maximum Flow Rate	4 L/min
Battery	12V,12Ah
Full Load Weight(with water)	25 kg
Net weight	5kg

■ Product Features

- 1.Durable Backpack Design:** Constructed with abrasion-resistant 1680D polyester in high-visibility orange,featuring an inner TPU flexible water bladder.
- 2.High Strength &Lightweight:**Non-toxic,odorless,non-contaminating to water,with excellent resistance to aging and water exposure.
- 3.Versatile &Corrosion-Resistant:**Compatible with Class A/B foams,resistant to corrosion,and equipped with high-strength adjustable waist and shoulder straps for comfortable carrying.

Manual Reciprocating Water Spray Gun



■ Technical Specifications

JSD-10DB01	
Net weight	<2.8kg
Effective Firefighting Range	2-8m
Maximum Water Throw Distance	12-14m
Water Tank Capacity	220kg

■ Product Features

- 1.Integrated Structure:**Consists of an aluminum gun body,connecting tube,external backpack,and water bag.The rotary nozzle provides selectable spray patterns,either straight stream or straight stream with mist.
- 2.Durable Lightweight Design:**The gun body is made of aluminum alloy with an anodized surface treatment,making it both lightweight and durable,significantly extending service life.

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