



# HIGH PRESSURE WASHER

**用水创造价值**  
Create Value with Water Power



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# COMPANY PROFILE

## About Us

Founded in 2001, Fussen has been consistently dedicated to the research, development, and innovation of high-pressure water jet technology, with more than 20 years of technical expertise in high-pressure plunger pumps.

Through advanced manufacturing processes and strict quality control, Fussen delivers pumps that are high quality, durable, and reliable. Our equipment is widely applied in ship cleaning, industrial paint and rust removal, petrochemicals, and building maintenance, and has gained broad recognition in both domestic and international markets.



Professional



International



Brand-Oriented



Professional

### Professional High-Pressure Cleaning Technology

Fussen develops advanced high-pressure pump technology that ensures efficiency, durability, and stability across diverse industrial applications.

The high-pressure pump, as the core component of a high-pressure cleaner, directly determines the overall efficiency and stability of the system. With deep insights into industry requirements, Fussen has developed a comprehensive range of professional cleaning solutions designed to meet diverse needs across different pressure levels, flow rates, and working environments.

Fussen's high-pressure plunger pumps are engineered with strict material selection, high-precision machining, and advanced sealing technology to ensure reliability and performance.

Fussen pumps are equipped with ceramic and alloy steel plungers to ensure reliable performance and durability. The ceramic plungers offer excellent wear and corrosion resistance with a smooth, low-friction surface that extends seal life, while the alloy steel plungers provide exceptional strength and impact resistance for high-pressure applications. Together with high-quality water and oil seals, the system maintains stable operation and long service life. For particularly demanding environments, Fussen also provides customized corrosion-resistant and high-temperature-resistant seal solutions. As a result, the pumps deliver reliable stability, superior efficiency, and extended durability under diverse operating conditions.



International

### International Quality Standards and Worldwide Reach

Fussen is committed to delivering products that meet the highest international standards and are shipped to customers worldwide.

The company operates in full compliance with the ISO9001 quality management system, ensuring excellence throughout design, production, testing, and service. All products are CE certified and comply with international safety requirements. With outstanding quality and consistent reliability, Fussen's pumps are widely used across Europe, the Middle East, Southeast Asia, and South America. Through long-term partnerships and a proven record of performance, the company has earned the trust of customers around the globe.



Brand-Oriented

### Creating Value with Water

Fussen's brand philosophy is built on the belief that water is not only a resource but also a force for creating value.

The company is committed to delivering high-quality pumps while advancing intelligent, efficient, and eco-friendly cleaning technology. Through continuous investment in research, development, and product optimization, Fussen leads the high-pressure water jet industry forward. Looking to the future, the company will continue to innovate and provide global customers with more professional, reliable, and sustainable cleaning solutions.

25+

Years of Experience

200+

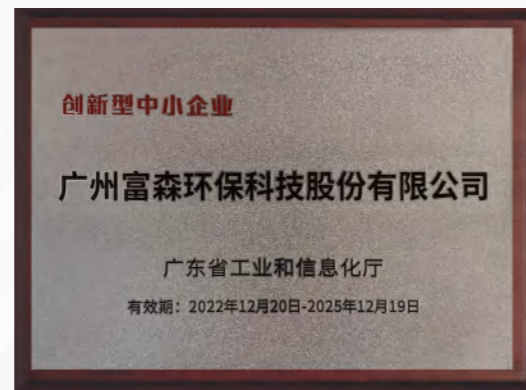
Patents

5000m<sup>2</sup>

Factory



# HONORS



## Certifications



## Patents



# MILESTONES



## 2001

Fussen was established in Guangzhou China

## 2003

Independently developed electric and fuel powered high pressure washer

## 2005

Fussen high pressure washer conquer the entire national mid-to-high-end market

## 2007

Start researching and developing ultra-high-pressure water jet technology

## 2010

Awarded the ISO 9001 management certification

## 2012

Fussen high-pressure washer has passed international CE certification

## 2015

Awarded ISO 14001 Environmental Certification and OHSAS 45001 Occupational Health and Safety Certification

## 2016

Successfully listed on the New Third Board and recognized as a high-tech enterprise

## 2017

Recognized as the Guangdong Province Ultra-High-Pressure Water Jet Cleaning Intelligent Equipment Engineering Technology Research Center

## 2019

Establishing a high-pressure water jet technology research and development center and initiating a new mode of industry-education integration in technology research and development

## 2023

Awarded the titles of 'Specialized and Innovative Small and Medium-Sized Enterprises' and 'Innovative Small and Medium-Sized Enterprises' in Guangdong Province, and jointly established the Ultra-High-Pressure Pump Technology Research Center with the Shunde Research Institute of Beijing University of Science and Technology

▶ **Road Cleaning**



▶ **Heavy Machinery Cleaning**



▶ **Property Cleaning**



▶ **Livestock Farm Cleaning**

▶ **Car Washing**



▶ **Rust Removal**



▶ **Ship Cleaning**



▶ **Railway Cleaning**



# CONTENTS

## Electric High Pressure Washer

FSE Series	02
FAE Series	03
FBE Series	04
FCE Series	05
FME Series	06
FWE Series	07
FLE Series	08
FDE Series	09
FKE Series	10
FRE Series	11

## Hot Water High Pressure Washer

FHP Series	13
FHS Series	14
FHE Series	15

## Explosion-Proof High Pressure Washer

FAE-EX Series	17
FBE-EX Series	18
FCE-EX Series	19
FDE-EX Series	20

## Gasoline High Pressure Washer

FAG Series	22
FBG Series	23
FCG Series	24
FDG Series	25

## Diesel High Pressure Washer

FAD Series	27
FBD Series	28
FCD Series	29
FED Series	30
FKD Series	31

## Accessories

Accessories	32
Nozzle Chart	34

# Electric High Pressure Washer





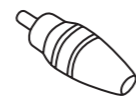
# FSE SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box
- Industrial-Grade Motor
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Stainless Steel Frame
- Solid Tires
- Swivel Wheels
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Easy to Move

Compact design, stylish, space-saving.



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.



#### Premium Plunger Pump

Ceramic plungers and durable seals ensure long-term stable performance.



#### Energy-Saving

Pressure switch stops the motor when the gun is released.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FSE 10/11	1/220/50	10	110/11/1595	2.2	1450	48	600 x 550 x 430
FSE 10/15	1/220/50	10	150/15/2175	3.0	1450	52	650 x 550 x 530
FSE 12/13	1/220/50	12	130/13/1885	3.0	1450	52	650 x 550 x 530
FSE 15/10	1/220/50	15	100/10/1450	3.0	1450	52	650 x 550 x 530



# FAE SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box
- Industrial-Grade Motor
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Carbon Steel Frame
- Solid Tires
- Swivel Wheels
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Easy to Move

Compact design, stylish, space-saving.



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.



#### Premium Plunger Pump

Ceramic plungers and durable seals ensure long-term stable performance.



#### Energy-Saving

Pressure switch stops the motor when the gun is released.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FAE 15/15	3/380/50	15	150/15/2175	4.0	1450	68	640 x 640 x 500
FAE 15/20	3/380/50	15	200/20/2900	5.5	1450	78	640 x 640 x 500
FAE 15/25	3/380/50	15	250/25/3625	7.5	1450	85	650 x 640 x 500
FAE 18/20	3/380/50	18	200/20/2900	8.0	1450	85	650 x 640 x 500



# FBE SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box
- Industrial-Grade Motor
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Carbon Steel Frame
- Solid Tires
- Swivel Wheels
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Easy to Move

Compact design, stylish, space-saving.



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.



#### Premium Plunger Pump

Ceramic plungers and durable seals ensure long-term stable performance.



#### Energy-Saving

Pressure switch stops the motor when the gun is released.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FBE 15/27	3/380/50	15	270/27/3915	9.2	1450	145	880 x 650 x 900
FBE 15/30	3/380/50	15	300/30/4350	9.2	1450	145	880 x 650 x 900
FBE 15/35	3/380/50	15	350/35/5075	11.0	1450	160	900 x 650 x 900
FBE 18/28	3/380/50	18	280/28/4060	11.0	1450	160	900 x 650 x 900
FBE 21/25	3/380/50	21	250/25/3625	11.0	1450	160	900 x 650 x 900



# FCE SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box ( Soft Start )
- Industrial-Grade Motor
- Coupling
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- Safety Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Large-Capacity Water Tank
- Float Valve
- Carbon Steel Heavy-Duty Frame
- Pneumatic Shock-Absorbing Tires
- Swivel Wheels
- High-Pressure Hose
- High-Pressure Gun
- Fan-Shaped Nozzle

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Intelligent Soft Start

Soft start board ensures smooth start/stop, extending machine lifespan.



#### Water Inlet Protection

Dual precision filters and a large water tank with floating valve provide clean, stable water supply.



#### Industrial Grade Motor

Four pole, low speed motor with low noise, high durability, and long service life.



#### Premium Plunger Pump

High-performance pump with ceramic plungers and durable seals for reliable long-term use.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FCE 21/35	3/380/50	21	350/35/5075	15	1450	240	950 x 700 x 900
FCE 15/50	3/380/50	15	500/50/7250	15	1450	240	950 x 700 x 900
FCE 22/50	3/380/50	22	500/50/7250	22	1450	265	950 x 700 x 900
FCE 18/60	3/380/50	18	600/60/8700	22	1450	265	950 x 700 x 900



# FME SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box ( Soft Start )
- Industrial-Grade Motor
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- Safety Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Solid Tires
- Swivel Wheels
- High-Pressure Hose
- High-Pressure Gun
- Fan-Shaped Nozzle
- Stainless Steel Frame

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



**Easy to Move**

Compact design, stylish look, and space-saving.



**Industrial-Grade Motor**

Four-pole, low-speed motor with low noise, high durability, and long service life.



**Intelligent Soft Start**

Smooth start/stop system extends machine lifespan.



**Premium Plunger Pump**

Stainless steel pump with ceramic plungers and durable seals for stable, long-term performance.



**Stainless Steel Frame**

Strong, durable, and highly corrosion-resistant.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FME 21/35	3/380/50	21	350/35/5075	15	1450	200	950 x 700 x 900
FME 15/50	3/380/50	15	500/50/7250	15	1450	200	950 x 700 x 900
FME 22/50	3/380/50	22	500/50/7250	22	1450	230	980 x 700 x 920
FME 18/60	3/380/50	18	600/60/8700	22	1450	230	980 x 700 x 920
FME 18/50	3/440/60	18	500/50/7250	18	1750	200	950 x 700 x 900



# FWE SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box ( Soft Start )
- Industrial-Grade Motor
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- Safety Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Stainless Steel Water Tank
- Solid Tires
- Swivel Wheels
- High-Pressure Hose
- High-Pressure Gun
- Fan-Shaped Nozzle
- Stainless Steel Frame

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



**Easy to Move**

Compact design, stylish look, and space-saving.



**Industrial-Grade Motor**

Four-pole, low-speed motor with low noise, high durability, and long service life.



**Intelligent Soft Start**

Smooth start/stop system extends machine lifespan.



**Premium Plunger Pump**

Stainless steel pump with ceramic plungers and durable seals for stable, long-term performance.



**Stainless Steel Frame**

Strong, durable, and highly corrosion-resistant.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FWE 21/35	3/380/50	21	350/35/5075	15	1450	200	950 x 700 x 900
FWE 15/50	3/380/50	15	500/50/7250	15	1450	200	950 x 700 x 900
FWE 22/50	3/380/50	22	500/50/7250	22	1450	230	980 x 700 x 920
FWE 18/60	3/380/50	18	600/60/8700	22	1450	230	980 x 700 x 920
FWE 18/50	3/440/60	18	500/50/7250	18	1750	200	950 x 700 x 900



# FLE SERIES

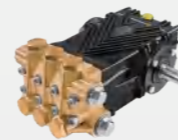
## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box ( Soft Start )
- Industrial-Grade Motor
- Coupling
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Stainless Steel Booster Pump
- High Precision Filter
- Stainless Steel Filter
- Carbon Steel Heavy Duty Frame
- Solid Tires
- Swivel Wheels
- High-Pressure Gun
- Fan-Shaped Nozzle
- High Pressure Hose

### Optional Accessories

- Pipe Cleaning Nozzle
- Foot Valve
- Hose Reel
- Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features

#### Booster Pump for Stable Water Supply

Stainless steel horizontal centrifugal pump ensures reliable water flow to the high-pressure plunger pump.

#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.

#### Premium Plunger Pump

Stainless steel construction with ceramic plungers and durable seals for long-lasting smooth operation.

#### Intelligent Soft Start

Smart control box with soft start board allows smooth start-up, reducing wear and extending machine life.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FLE 40/20	3/380/50	40	200/20/2900	15	1450	250	950 x 700 x 900
FLE 50/20	3/380/50	50	200/20/2900	22	1450	280	980 x 700 x 920
FLE 60/18	3/380/50	60	180/18/2610	22	1450	280	980 x 700 x 920
FLE 70/16	3/380/50	70	160/16/2320	22	1450	280	980 x 700 x 920



# FDE SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box ( Soft Start )
- Industrial-Grade Motor
- Stainless Steel High-Pressure Plunger Pump
- Pressure Regulating Valve
- Safety Valve
- Stainless Steel Pressure Gauge
- Y Type Filter
- High-Precision Filter
- Stainless Steel Heavy-Duty Frame
- Water Tank
- Swivel Wheels
- Dump Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

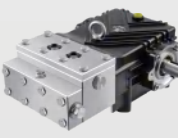
### Optional Accessories



Rotating Nozzle



Dump Gun with Rotating Nozzle



Stainless Steel Pump

### Features

#### Easy to Move

Compact design, stylish appearance, easy to move, and space-saving.

#### Intelligent Soft Start

Soft starter ensures smooth motor start-up, extending machine lifespan.

#### Stainless Steel Frame

Corrosion-resistant frame suitable for long-term use in marine environments.

#### Premium Plunger Pump

High-performance stainless steel pump with alloy plungers and premium seals for durability and long service life.

#### Low Water Level Protection

Large-capacity stainless steel water tank with float valve prevents pump damage from dry running.

#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FDE 30/50	3/380/50	30	500/50/7250	30	1450	450	1350 x 680 x 1200
FDE 20/80	3/380/50	20	800/80/11600	30	1450	455	1350 x 680 x 1200
FDE 15/100	3/380/50	15	1000/100/14500	30	1450	455	1350 x 680 x 1200
FDE 36/50	3/440/60	36	500/50/7250	36	1750	450	1350 x 680 x 1200
FDE 24/80	3/440/60	24	800/80/11600	36	1750	455	1350 x 680 x 1200
FDE 18/100	3/440/60	18	1000/100/14500	36	1750	455	1350 x 680 x 1200



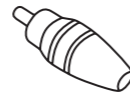
# FKE SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box ( Soft Start )
- Industrial-Grade Motor
- Stainless Steel High-Pressure Plunger Pump
- Pressure Regulating Valve
- Safety Valve
- Stainless Steel Pressure Gauge
- High-Precision Filter
- Water Tank
- Booster Pump
- Float Valve
- Carbon Steel Heavy Duty Frame
- Pneumatic Tires
- Swivel Wheels
- Dump Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

### Optional Accessories



■ Rotating Nozzle



Dump Gun with Rotating Nozzle



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to move, and space-saving.



#### Industrial-Grade Motor

Six-pole, low-speed motor with low noise, high durability, and long service life.



#### Intelligent Soft Start

Soft starter ensures smooth motor start-up, reducing wear and extending service life.



#### Premium Plunger Pump

High-performance stainless steel pump with alloy plungers and premium seals for durability and long-term stability.



#### Low Water Level Protection

Large-capacity stainless steel water tank with float valve prevents the pump from dry running and protects the machine from damage.

### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FKE 40/60	3/380/50	40	600/60/8700	45	1000	850	1550 x 1050 x 1350
FKE 25/80	3/380/50	25	800/80/11600	37	1000	850	1550 x 1050 x 1350
FKE 20/100	3/380/50	20	1000/100/14500	37	1000	850	1550 x 1050 x 1350
FKE 25/100	3/380/50	25	1000/100/14500	45	1000	850	1550 x 1050 x 1350



# FRE SERIES

## Electric High Pressure Washer

### Key Components

- Intelligent Electric Control Box ( Soft Start )
- Industrial-Grade Motor
- Coupling
- Stainless Steel High-Pressure Plunger Pump
- Pressure Regulating Valve
- Safety Valve
- Water Tank
- Float Valve
- Stainless Steel Pressure Gauge
- High-Precision Filter
- High-Precision Stainless Steel Filter
- Carbon Steel Heavy-Duty Frame

### Optional Accessories

- Rotating Nozzle
- Dump Gun
- Fan-Shaped Nozzle
- High-Pressure Hose
- Flexible Lance
- Foot Valve

### Features



#### Industrial-Grade Motor

Four-pole, low-speed motor with low noise, high durability, and long service life.



#### Intelligent Soft Start

Soft starter ensures smooth motor start-up, extending machine lifespan.



#### Premium Plunger Pump

High-performance stainless steel pump with alloy plungers and imported seals for durability and long service life.



#### Low Water Level Protection

Large-capacity stainless steel water tank with float valve prevents pump damage from dry running.



Dump Gun with Rotating Nozzle



Flexible Lance



Foot Valve

### Models and Specifications

Model	Voltage (Ph V Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FRE 120/100	3/380/50	120	1000/100/14500	252	400	2800	3300 x 1900 x 2100
FRE 90/140	3/380/50	90	1400/140/20300	150	400	2800	3300 x 1900 x 2100
FRE 50/150	3/380/50	50	1500/150/21755	300	400	2800	3300 x 1900 x 2100
FRE 45/280	3/380/50	45	2800/280/40000	250	400	2800	3300 x 1900 x 2100

# Hot Water High Pressure Washer

## FHP SERIES

### Hot Water Pressure Washer (Diesel Heating)



#### Key Components

- Intelligent Electric Control Box
- Industrial-Grade Motor
- Diesel Boiler
- Ignition Device
- Oil Pump
- High-Pressure Plunger Pump
- Pressure Switch
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- High-Strength Plastic Shell
- Solid Tires
- High-Pressure Gun
- Fan-Shaped Nozzle

#### Optional Accessories



■ Rotating Nozzle



Control Panel



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

#### Features



##### Simple Control

Easy-to-use panel with temperature adjustment knob and alarm indicator light.



##### Energy-Saving

Pressure switch shuts down the motor when the gun is released, saving energy and protecting the environment.



##### Premium Plunger Pump

High-pressure plunger system with ceramic plungers and durable seals for long-term stable operation.



##### Premium Oil Pump

European igniter and oil pump with high combustion efficiency; diesel boiler heats up to 90 °C.

#### Models and Specifications

Model	Voltage (Ph V Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FHP 15/20	3/380/50	15	200/20/2900	5.5	1450	130	1160 x 870 x 650
FHP 18/20	3/380/50	18	200/20/2900	7.5	1450	130	1160 x 870 x 650
FHP 15/25	3/380/50	15	250/25/3625	7.5	1450	130	1160 x 870 x 650



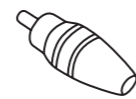
# FHS SERIES

## Hot Water Pressure Washer (Diesel Heating)

### Key Components

- Intelligent Electric Control Box
- Industrial-Grade Motor
- Diesel Boiler
- Ignition Device
- Oil Pump
- High-Pressure Plunger Pump
- Pressure Switch
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- High-Strength Metal Shell
- Solid Tires
- High-Pressure Gun
- Fan-Shaped Nozzle

### Optional Accessories



■ Rotating Nozzle



Control Panel



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Simple Control

Easy-to-use panel with temperature adjustment knob and alarm indicator light.



#### Energy-Saving

Pressure switch shuts down the motor when the gun is released, saving energy and protecting the environment.



#### Premium Plunger Pump

High-pressure plunger system with ceramic plungers and durable seals for long-term stable operation.



#### Premium Oil Pump

European igniter and oil pump with high combustion efficiency; diesel boiler heats up to 90 °C.

### Models and Specifications

Model	Voltage (Ph V Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FHS 15/20	3/380/50	15	200/20/2900	5.5	1450	130	1160 x 870 x 650
FHS 18/20	3/380/50	18	200/20/2900	7.5	1450	130	1160 x 870 x 650
FHS 15/25	3/380/50	15	250/25/3625	7.5	1450	130	1160 x 870 x 650



# FHE SERIES

## Hot Water High Pressure Washer (Electric Heating)

### Key Components

- Intelligent Electric Control Box
- Industrial-Grade Motor
- High-Pressure Plunger Pump
- Pressure Switch
- Pressure Regulating Valve
- High-Precision Filter
- Water Tank
- Stainless Steel Pressure Gauge
- High-Strength Metal Shell
- Solid Tires
- High-Pressure Gun
- Fan-Shaped Nozzle
- Electric Heating System

### Accessories

- High-Pressure Hose
- High-Pressure Gun
- Fan-Shaped Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Simple Control

Easy-to-use panel with temperature adjustment knob and alarm indicator light.



#### Energy-Saving

Pressure switch shuts down the motor when the gun is released, saving energy and protecting the environment.



#### Premium Plunger Pump

High-pressure plunger system with ceramic plungers and durable seals for long-term stable operation.

### Models and Specifications

Model	Voltage (Ph V Hz)	Flow rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	Heating Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FHE 15/20	3/380/50	15	200/20/2900	7.5	24/36/48	1450	125	1170 x 930 x 990
FHE 18/20	3/380/50	18	200/20/2900	7.5	24/36/48	1450	125	1170 x 930 x 990
FHE 15/25	3/380/50	15	250/25/3625	7.5	24/36/48	1450	125	1170 x 930 x 990

# Explosion-Proof High Pressure Washer

## FAE-EX SERIES

### Explosion-Proof High Pressure Washer



#### Key Components

- Explosion-Proof Electric Control Box
- Industrial Explosion-Proof Motor
- Coupling
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Stainless Steel Heavy-Duty Frame
- Solid Tires
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

#### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

#### Features



##### Convenient to Move

Compact design, easy to handle, and space-saving.



##### Explosion-Proof Motor

Ensures safe operation in explosive atmospheres.



##### High Explosion-Proof Rating

Optional ATEX, Exd IIB T4 Gb and Exd II C T4 Gb certifications



##### Explosion-Proof Control Box

Provides reliable protection in explosive atmospheres.



##### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

#### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FAE-EX 15/15	3/380/50	15	150/15/2175	5.5	1450	95	780 x 640 x 500
FAE-EX 15/20	3/380/50	15	200/20/2900	5.5	1450	95	780 x 640 x 500
FAE-EX 15/25	3/380/50	15	250/25/3625	7.5	1450	110	780 x 640 x 500
FAE-EX 18/20	3/380/50	18	200/20/2900	7.5	1450	110	780 x 640 x 500



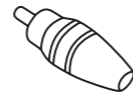
# FBE-EX SERIES

Explosion-Proof High Pressure Washer

## Key Components

- Explosion-Proof Electric Control Box
- Industrial-Grade Explosion-Proof Motor
- Coupling
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- Stainless Steel Pressure Gauge
- Stainless Steel Water Tank
- Float Valve
- High-Precision Filter
- Stainless Steel Frame
- Pneumatic Tires
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

## Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

## Features



### Convenient to Move

Compact design, easy to handle, and space-saving.



### Explosion-Proof Motor

Ensures safe operation in explosive atmospheres.



### High Explosion-Proof Rating

Optional ATEX, Exd IIB T4 Gb and Exd II C T4 Gb certifications



### Explosion-Proof Control Box

Provides reliable protection in explosive atmospheres.



### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

## Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FBE-EX 15/30	3/380/50	15	300/30/4350	9.2	1450	200	980 x 680 x 1080
FBE-EX 15/35	3/380/50	15	350/35/5075	11.0	1450	215	980 x 680 x 1080
FBE-EX 18/28	3/380/50	18	280/28/4060	11.0	1450	215	980 x 680 x 1080
FBE-EX 21/25	3/380/50	21	250/25/3625	11.0	1450	215	980 x 680 x 1080



# FCE-EX SERIES

Explosion-Proof High Pressure Washer

## Key Components

- Explosion-Proof Electric Control Box
- Industrial-Grade Explosion-Proof Motor
- Coupling
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- Safety Valve
- Stainless Steel Pressure Gauge
- High-Precision Filter
- Stainless Steel Water Tank
- Stainless Steel Float Valve
- Carbon Steel Heavy-Duty Frame
- Solid Tires
- Swivel Wheels
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

## Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

## Features



### Convenient to Move

Compact design, easy to handle, and space-saving.



### Explosion-Proof Motor

Ensures safe operation in explosive atmospheres.



### High Explosion-Proof Rating

Optional ATEX, Exd IIB T4 Gb and Exd II C T4 Gb certifications



### Explosion-Proof Control Box

Provides reliable protection in explosive atmospheres.



### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

## Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FCE-EX 21/35	3/380/50	21	350/35/5075	15	1450	310	1250 x 580 x 1250
FCE-EX 15/50	3/380/50	15	500/50/7250	15	1450	310	1250 x 580 x 1250
FCE-EX 22/50	3/380/50	22	500/50/7250	22	1450	310	1250 x 580 x 1250
FCE-EX 18/60	3/380/50	18	600/60/8700	22	1450	310	1250 x 580 x 1250



# Gasoline High Pressure Washer

## FDE-EX SERIES

### Explosion-Proof High Pressure Washer

#### Key Components

- Intelligent Electric Control Box
- Industrial-Grade Explosion-Proof Motor
- High-Pressure Plunger Pump
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Stainless Steel Frame
- Solid Tires
- Swivel Wheels
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

#### Optional Accessories



Rotating Nozzle



Dump Gun with Rotating Nozzle



Stainless Steel Pump

#### Features



##### Convenient to Move

Compact design, easy to handle, and space-saving.



##### Explosion-Proof Motor

Ensures safe operation in explosive atmospheres.



##### High Explosion-Proof Rating

Optional ATEX, Exd IIB T4 Gb and Exd II C T4 Gb certifications



##### Explosion-Proof Control Box

Provides reliable protection in explosive atmospheres.

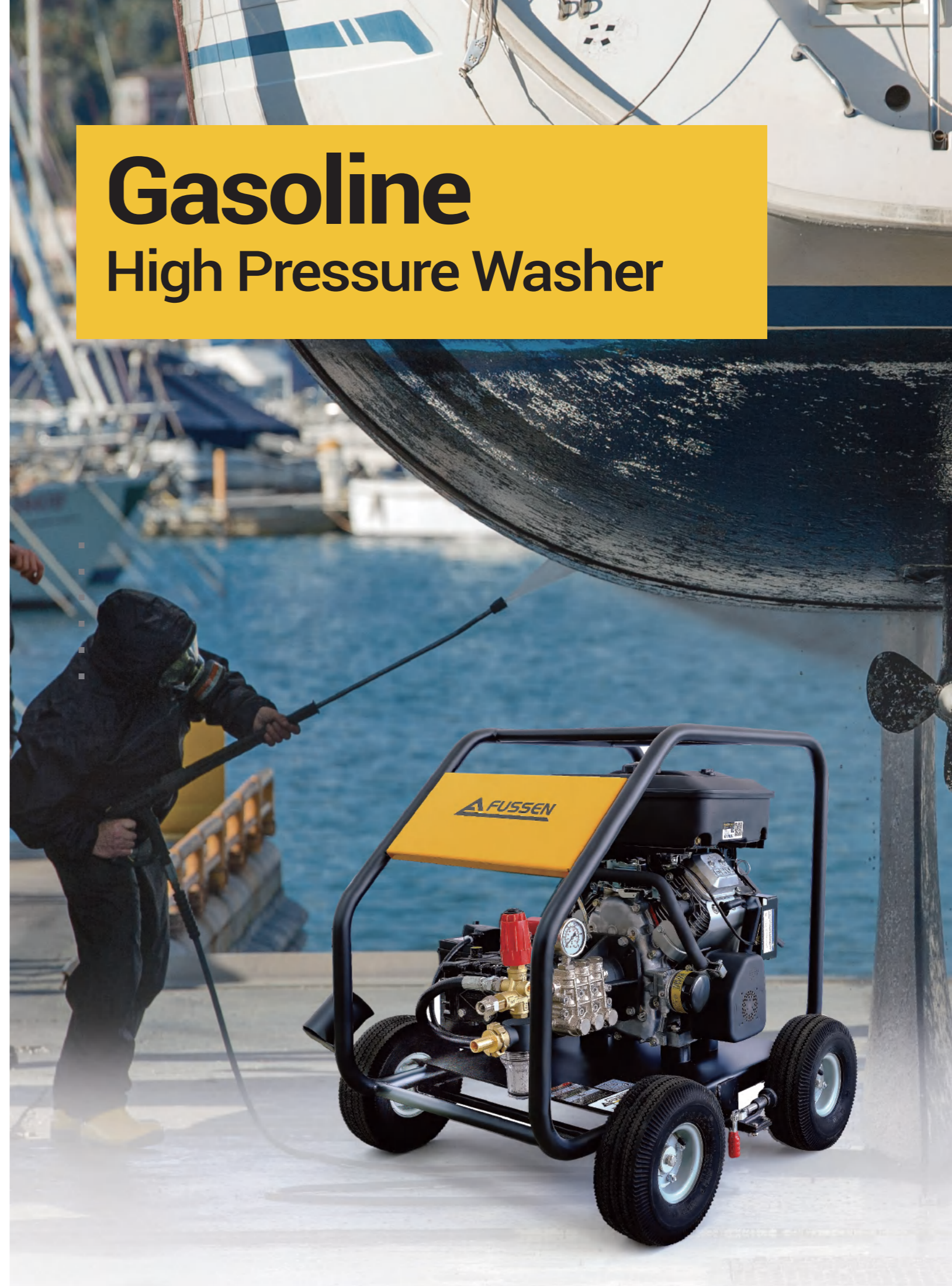


##### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

#### Models and Specifications

Model	Voltage (Ph/V/Hz)	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FDE-EX 30/50	3/380/50	30	500/50/7250	30	1450	450	1350 x 680 x 1200
FDE-EX 20/80	3/380/50	20	800/80/11600	30	1450	450	1350 x 680 x 1200
FDE-EX 15/100	3/380/50	15	1000/100/14500	30	1450	450	1350 x 680 x 1200
FDE-EX 36/50	3/440/60	36	500/50/7250	36	1750	450	1350 x 680 x 1200
FDE-EX 24/80	3/440/60	24	800/80/11600	36	1750	450	1350 x 680 x 1200
FDE-EX 18/100	3/440/60	18	1000/100/14500	36	1750	450	1350 x 680 x 1200





# FAG SERIES

## Gasoline High Pressure Washer

### Key Components

- Gasoline Engine
- High-Pressure Plunger Pump
- Gearbox
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Battery
- Carbon Steel Frame
- Pneumatic tires
- Fuel Tank
- High-pressure pipe
- High-Pressure Gun
- Fan-Shaped Nozzle

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Performance

Gasoline engine from an internationally renowned brand, featuring low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

Model	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FAG 15/15	15	150/15/2175	4.0	1450	100	780 x 620 x 750
FAG 15/20	15	200/20/2900	5.5	1450	100	780 x 620 x 750
FAG 15/25	15	250/25/3625	7.5	1450	100	780 x 620 x 750
FAG 18/20	18	200/20/2900	7.5	1450	100	780 x 620 x 750



# FBG SERIES

## Gasoline High Pressure Washer

### Key Components

- Gasoline Engine
- High-Pressure Plunger Pump
- Gearbox
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Fuel Tank
- Battery
- Heavy-Duty Frame
- Pneumatic Tires
- High-Pressure Hose
- High-Pressure Gun
- Fan-Shaped Nozzle

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Performance

Gasoline engine from an internationally renowned brand, featuring low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

Model	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FBG 15/30	15	300/30/4350	9.2	1450	120	890 x 650 x 920
FBG 15/35	15	350/35/5075	11	1450	120	890 x 650 x 920
FBG 18/28	18	280/28/4060	11	1450	120	890 x 650 x 920
FBG 21/25	21	250/25/3625	11	1450	120	890 x 650 x 920

# FCG SERIES



## Gasoline High Pressure Washer

### Key Components

- Gasoline Engine
- High-Pressure Plunger Pump
- Gearbox
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Battery
- Fuel Tank
- Pneumatic Tires
- Carbon Steel Frame
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Honda Engine

Delivers strong performance, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

Model	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FCG 21/35	21	350/35/5075	15	1450	150	950 x 700 x 980
FCG 15/50	15	500/50/7250	15	1450	150	950 x 700 x 980
FCG 30/30	30	300/30/4350	18	1450	150	950 x 700 x 980

# FDG SERIES



## Gasoline High Pressure Washer

### Key Components

- Gasoline Engine
- High-Pressure Plunger Pump
- Gearbox
- Pressure Regulating Valve
- Safety Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Fuel Tank
- Battery
- Pneumatic Tires
- Hose Reel
- Stainless Steel Frame
- High-Pressure Hose

### Optional Accessories

- Rotating Nozzle
- Pipe Cleaning Nozzle
- High-Pressure Gun
- Fan-Shaped Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Honda Engine

Delivers strong performance, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

Model	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FDG 30/20	30	200/20/2900	12	1450	165	1100 x 600 x 1250
FDG 40/18	40	180/18/2610	15	1450	165	1100 x 600 x 1250
FDG 50/15	50	150/15/2175	15	1450	165	1100 x 600 x 1250
FDG 21/35	21	350/35/5075	15	1450	165	1100 x 600 x 1250
FDG 15/50	15	500/50/7250	15	1450	165	1100 x 600 x 1250

# Diesel High Pressure Washer



## FAD SERIES

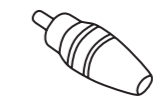
### Diesel High Pressure Washer



#### Key Components

- Diesel Engine
- Fuel Tank
- High-Pressure Plunger Pump
- Gearbox
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Battery
- Carbon Steel Frame
- Pneumatic Tires
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

#### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

#### Features



##### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



##### Powerful Diesel Engine

Well-known brand engine with low noise, high durability, and long service life.



##### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

#### Models and Specifications

Model	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FAD 15/15	15	150/15/2175	4.5	1450	100	780 x 620 x 750
FAD 15/20	15	200/20/2900	5.5	1450	100	780 x 620 x 750
FAD 15/25	15	250/25/3625	7.5	1450	115	780 x 620 x 750
FAD 18/20	18	200/20/2900	7.5	1450	115	780 x 620 x 750



# FBD SERIES

## Diesel High Pressure Washer

### Key Components

- Diesel Engine
- Fuel Tank
- High-Pressure Plunger Pump
- Gearbox
- Pressure Regulating Valve
- High-Precision Filter
- Stainless Steel Pressure Gauge
- Battery
- Stainless Steel Heavy-Duty Frame
- Pneumatic Tires
- High-Pressure Gun
- Fan-Shaped Nozzle
- High-Pressure Hose

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass Pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Diesel Engine

Well-known brand engine with low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

Model	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FBD 15/35	15	350/35/5075	11	1450	165	1100 x 600 x 920
FBD 18/28	18	280/28/4000	11	1450	165	1100 x 600 x 920
FBD 21/35	21	350/35/5075	15	1450	165	1100 x 600 x 920
FBD 15/50	15	500/50/7250	15	1450	185	1100 x 600 x 920
FBD 30/30	30	300/30/4350	18	1450	185	1100 x 600 x 920



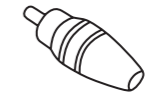
# FCD SERIES

## Diesel High Pressure Washer

### Key Components

- Intelligent Control Box
- Diesel Engine
- High-Pressure Plunger Pump
- Safety Valve
- Pressure Regulating Valve
- Fuel tank
- Stainless Steel Pressure Gauge
- High-Precision Filter
- Fan-Shaped Nozzle
- Battery
- High-Pressure Hose
- Swivel Wheels
- Carbon Steel Frame
- High-Pressure Gun
- Gearbox
- Solid Tires

### Optional Accessories



■ Rotating Nozzle



Brass Pump



Nickel Plated Brass pump



Stainless Steel Pump

### Features



#### Convenient to Move

Stylish appearance, compact design, easy to handle, and space-saving.



#### Powerful Diesel Engine

Well-known brand engine with low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable performance.

### Models and Specifications

Model	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FCD 15/50	15	500/15/7250	15	1450	285	1170 x 920 x 1120
FCD 21/35	21	350/35/2900	15	1450	285	1170 x 920 x 1120
FCD 22/50	22	500/50/7250	22	1450	303	1170 x 920 x 1120
FCD 18/60	18	600/60/8700	22	1450	303	1170 x 920 x 1120
FCD 30/50	30	500/50/7250	30	1450	350	1170 x 920 x 1120



# FED SERIES

## Diesel High Pressure Washer

### Key Components

- Intelligent Control Box
- Diesel Engine
- Coupling
- Large-Capacity Diesel Tank
- Float Valve for Water Tank
- Water Tank
- High-Precision Filter
- Battery
- Safety Rupture Disc
- Stainless Steel Pressure Gauge
- Stainless Steel Water Tank
- Pressure Regulating Valve
- Stainless Steel High-Pressure Plunger Pump
- Carbon Steel Heavy-Duty Frame

### Optional Accessories

- Rotating Nozzle
- Pipe Cleaning Nozzle
- Foot Valve
- Hose Reel
- High-Pressure Pipe
- Dump Gun
- Fan-Shaped Nozzle



Dump Gun with Rotating Nozzle



Stainless Steel Pump

### Features



#### Easy to Control

Intelligent electric control box with LCD display for flexible and simple operation.



#### Powerful Diesel Engine

Well-known brand engine with low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable operation.



#### Low Water Level Protection

Large-capacity stainless steel water tank with internal float valve prevents pump damage from dry running.

### Models and Specifications

Model	Flow Rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FED 20/100	20	1000/100/14500	50	1000	1350	1600 x 950 x 1200
FED 25/100	25	1000/100/14500	58	1000	1650	1600 x 950 x 1200
FED 35/80	35	800/80/11600	56	1000	1350	1600 x 950 x 1200
FED 40/60	40	600/60/8700	50	1000	1350	1600 x 950 x 1200



# FKD SERIES

## Diesel High Pressure Washer

### Key Components

- Intelligent Control Box
- Diesel Engine
- Water Tank
- Gearbox
- Stainless Steel High-Pressure Plunger Pump
- Pressure Regulating Valve
- Safety Bursting Disc
- High-precision Filter
- Stainless Steel Pressure Gauge
- Booster Pump
- Diesel Fuel Tank
- Stainless Steel Water Tank
- Float Valve
- Carbon Steel Frame

### Optional Accessories

- Rotating Nozzle
- Pipe Cleaning Nozzle
- Foot Valve
- Hose Reel
- High-Pressure Pipe
- Dump Gun
- Fan-Shaped Nozzle



Dump Gun with Rotating Nozzle



Flexible Lance



Foot Valve

### Features



#### Easy to Control

Intelligent electric control box with LCD display for flexible and simple operation.



#### Powerful Diesel Engine

Well-known brand engine with low noise, high durability, and long service life.



#### Premium Plunger Pump

High-pressure pump with ceramic plungers and durable seals for long-term stable operation.



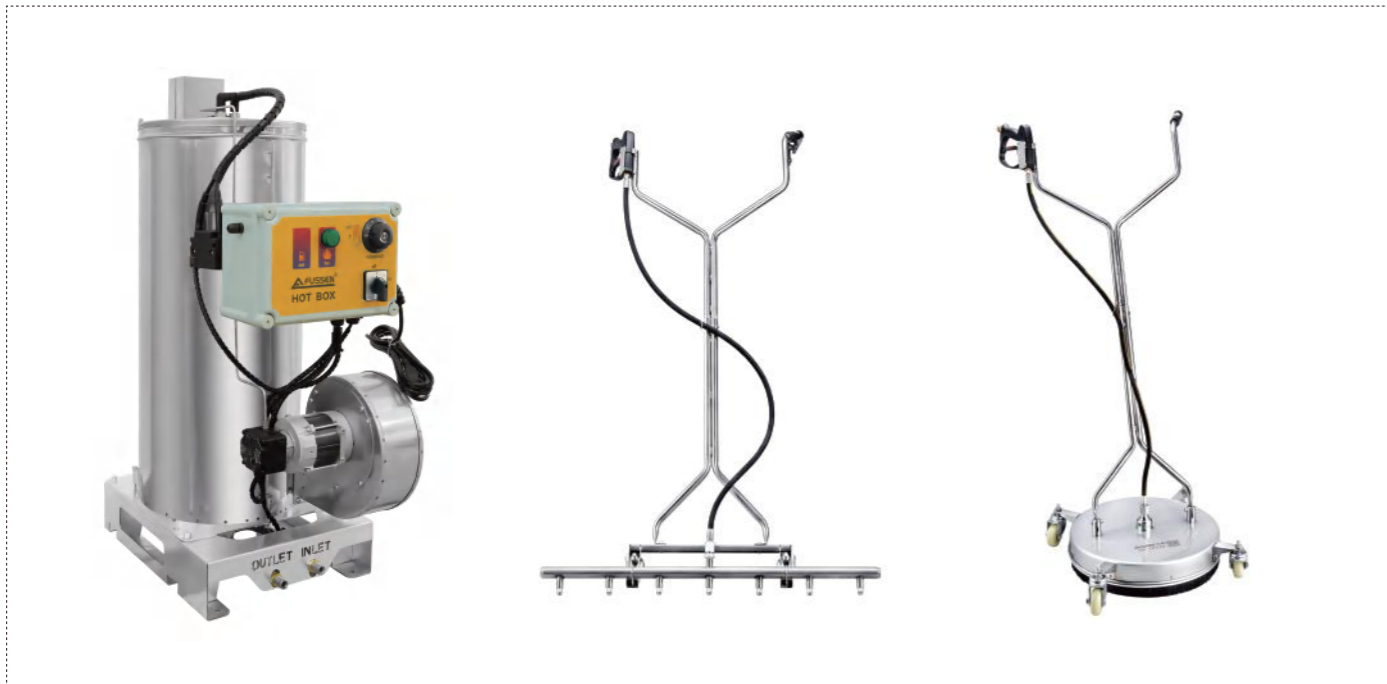
#### Low Water Level Protection

Large-capacity stainless steel water tank with internal float valve prevents pump damage from dry running.

### Models and Specifications

Model	Flow rate (L/min)	Pressure (Bar/Mpa/PSI)	Power (kW)	RPM (Rpm)	Weight (kg)	Dimensions (L x W x H mm)
FKD 120/100	120	1000/100/14500	264	400	3500	2700x1800x1900
FKD 90/140	90	1400/140/20305	264	400	3500	2700x1800x1900
FKD 30/250	30	2500/250/36260	160	400	3500	2700x1800x1900
FKD 45/280	45	2800/280/40000	264	400	3500	2700x1800x1900

# ACCESSORIES



# ACCESSORIES



# Nozzle Chart (20 - 200 bar)

Nozzle Size	Pressure																			
	Bar	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
	PSI	290	435	580	725	870	1015	1160	1305	1450	1595	1740	1885	2030	2175	2320	2465	2610	2755	2900
	Ø mm	Flow Rate ( L/min )																		
015	0.80	1.5	1.9	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.7	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.8
02	0.91	2.1	2.5	2.9	3.3	3.6	3.8	4.1	4.4	4.6	4.8	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.3	6.5
025	1.00	2.5	3.1	3.5	4.0	4.3	4.7	5.0	5.3	5.6	5.9	6.1	6.4	6.6	6.9	7.1	7.3	7.5	7.7	7.9
03	1.09	3.0	3.7	4.3	4.8	5.3	5.7	6.1	6.5	6.8	7.1	7.4	7.8	8.0	8.3	8.6	8.9	9.1	9.4	9.6
035	1.15	3.6	4.4	5.1	5.7	6.2	6.7	7.2	7.6	8.0	8.4	8.8	9.1	9.5	9.8	10.1	10.4	10.7	11.0	11.3
04	1.19	4.1	5.0	5.8	6.4	7.0	7.6	8.1	8.6	9.1	9.5	10	10.4	10.8	11.1	11.5	11.9	12.2	12.5	12.9
045	1.27	4.6	5.6	6.5	7.3	8.0	8.6	9.2	9.8	10.3	10.8	11.3	11.7	12.2	12.6	13	13.4	13.8	14.2	14.6
05	1.35	5.1	6.2	7.2	8.1	8.8	9.5	10.2	10.8	11.4	12.0	12.5	13.0	13.5	14.0	14.4	14.9	15.3	15.7	16.1
055	1.40	5.6	6.8	7.9	8.8	9.7	10.5	11.2	11.9	12.5	13.1	13.7	14.3	14.8	15.3	15.8	16.3	16.8	17.2	17.7
06	1.47	6.1	7.5	8.7	9.7	10.6	11.5	12.3	13.0	13.7	14.4	15.0	15.6	16.2	16.8	17.3	17.9	18.4	18.9	19.4
065	1.52	6.6	8.1	9.4	10.5	11.5	12.4	13.2	14.0	14.8	15.5	16.2	16.9	17.5	18.1	18.7	19.3	19.9	20.4	20.9
07	1.60	7.2	8.8	10.1	11.3	12.4	13.4	14.3	15.2	16.0	16.8	17.5	18.2	18.9	19.6	20.2	20.9	21.5	22.1	22.6
075	1.65	7.6	9.4	10.8	12.1	13.2	14.3	15.3	16.2	17.1	17.9	18.7	19.5	20.2	20.9	21.6	22.3	22.9	23.6	24.2
08	1.70	8.1	10.0	11.5	12.9	14.1	15.2	16.3	17.3	18.2	19.1	19.9	20.8	21.5	22.3	23.0	23.7	24.4	25.1	25.7
085	1.75	8.7	10.6	12.3	13.7	15.0	16.2	17.4	18.4	19.4	20.3	21.3	22.1	23.0	23.8	24.5	25.3	26.0	26.7	27.4
09	1.80	9.4	11.5	13.3	14.8	16.3	17.6	18.8	19.9	21.0	22.0	23.0	23.9	24.8	25.7	26.6	27.4	28.2	28.9	29.7
095	1.85	9.8	12.0	13.9	15.6	17.0	18.4	19.7	20.9	22.0	23.1	24.1	25.1	26.0	26.9	27.8	28.7	29.5	30.3	31.1
10	1.90	10.3	12.6	14.5	16.3	17.8	19.2	20.6	21.8	23.0	24.1	25.2	26.2	27.2	28.2	29.1	30.0	30.9	31.7	32.5
105	1.94	10.7	13.2	16.6	18.2	18.6	19.9	20.1	22.8	23.5	25.2	25.7	27.4	28.4	28.8	30.4	30.6	32.2	33.1	33.2
11	1.98	11.2	13.7	15.8	17.7	19.4	20.9	22.4	23.7	25.0	26.2	27.4	28.5	29.6	30.6	31.6	32.6	33.5	34.5	35.4
115	2.03	11.6	14.2	16.4	18.4	20.1	21.8	23.3	24.7	26.0	27.3	28.5	29.6	30.8	31.8	32.9	33.9	34.9	35.8	36.8
12	2.08	12.1	14.8	17.1	19.1	20.9	22.6	24.1	25.6	27.0	28.3	29.6	30.8	31.9	33.1	34.2	35.2	36.2	37.2	38.2
125	2.13	12.5	15.3	17.7	19.8	21.7	23.4	25.0	26.6	28.0	29.4	30.7	31.9	33.1	34.3	35.4	36.5	37.6	38.6	39.6
13	2.16	13.4	16.4	19.0	21.2	23.2	25.1	26.8	28.5	30.0	31.5	32.9	34.2	35.5	36.7	37.9	39.1	40.2	41.4	42.4
14	2.26	14.3	17.5	20.2	22.6	24.8	26.8	28.6	30.4	32.0	33.6	35.1	36.5	37.9	39.2	40.5	41.7	42.9	44.1	45.3
15	2.34	15.2	18.6	21.5	24.0	26.3	28.4	30.4	32.3	34.0	35.7	37.2	38.8	40.2	41.6	43.0	44.3	45.6	46.9	48.1
16	2.41	16.1	19.7	22.8	25.5	27.9	30.1	32.2	34.2	36.0	37.8	39.4	41.0	42.6	44.1	45.5	46.9	48.3	49.6	50.9
18	2.54	18.3	22.5	25.9	29.0	31.8	34.3	36.7	38.9	41.0	43.0	44.9	46.7	48.5	50.2	51.9	53.5	55.0	56.5	58.0
20	2.69	20.6	25.2	29.1	32.5	35.6	38.5	41.1	43.6	46.0	48.2	50.4	52.4	54.4	56.3	58.2	60.0	61.7	63.4	65.1
25	3.00	25.5	31.2	36.0	40.3	44.2	47.7	51.0	54.1	57.0	59.8	62.4	65.0	67.4	69.8	72.1	74.3	76.5	78.6	80.6
30	3.30	30.4	37.2	43.0	48.1	52.7	56.9	60.8	64.5	68.0	71.3	74.5	77.5	80.5	83.3	86.0	88.7	91.2	93.7	96.2
40	3.80	40.7	49.8	57.6	64.3	70.5	76.1	81.4	86.3	91.0	95.4	99.7	103.8	107.7	111.5	115.1	118.6	122.1	125.4	128.7
50	4.20	51.0	62.4	72.1	80.6	88.3	95.4	102.0	108.1	114.0	119.6	124.9	130.0	134.9	139.6	144.2	148.6	152.9	157.1	161.2
60	4.70	61.3	75.0	86.6	96.9	106.1	114.6	122.5	130.0	137.0	143.7	150.1	156.2	162.1	167.8	173.3	178.6	183.8	188.8	193.7
70	5.10	71.6	87.6	101.2	113.1	123.9	133.9	143.1	151.8	160.0	167.8	175.3	182.4	189.3	196.0	202.4	208.6	214.7	220.5	226.3
80	5.50	81.4	99.7	115.1	128.7	141.0	152.3	162.8	172.7	182.0	190.9	199.4	207.5	215.3	222.9	230.2	237.3	244.2	250.9	257.4
90	5.90	91.7	112.3	129.7	145.0	158.8	171.5	183.4	194.5	205.0	215.0	224.6	233.7	242.6	251.1	259.3	267.3	275	282.6	289.9

# Nozzle Chart (210 - 1250 bar)

Nozzle Size	Pressure																				
	Bar	210	220	230	240	250	280	300	350	400	450	500	550	600	700	800	900	1000	1100	1250	
	PSI	3045	3190	3335	3480	3625	4060	4350	5075	5800	6525	7250	7975	8700	10150	11600	13050	14500	15955	18130	
	Ø mm	Flow Rate ( L/min )																			
015	0.80	4.9	5.0	5.2	5.3	5.4	5.7	5.9	6.4	6.8	7.2	7.6	8.0	8.3	8.9	9.5	10.1	10.6	11.1	11.9	
02	0.91	6.7	6.8	7.0	7.1	7.3	7.7	8.0	8.6	9.2	9.8	10.3	10.8	11.3	11.8	12.6	13.4	14.1	14.8	15.8	
025	1.00	8.1	8.3	8.5	8.7	8.9	9.4	9.7	10.5	11.2	11.9	12.5	13.1	13.7	14.8	15.8	16.8	17.7	18.5	19.8	
03	1.09	9.9	10.1	10.3	10.5	10.8	11.4	11.8	12.7	13.6	14.4	15.2	15.9	16.7	17.7	19.0	20.1	21.2	22.2	23.7	
035	1.15	11.6	11.9	12.1	12.4	12.6	13.4	13.9	15.0	16.0	17.0	17.9	18.8	19.6	20.7	22.1	23.5	24.7	26.0	27.7	
04	1.19	13.2	13.5	13.8	14.1	14.4	15.2	15.8	17.0	18.2	19.3	20.3	21.3	22.3	23.7	25.3	26.8	28.3	29.7	31.6	
045	1.27	14.9	15.3	15.6	16.0	16.3	17.2	17.8	19.3	20.6	21.8	23.0	24.2	25.2	26.6	28.5	30.2	31.8	33.4	35.6	
05	1.35	16.5	16.9	17.3	17.7	18.0	19.1	19.7	21.3	22.8	24.2	25.5	26.7	27.9	29.6	31.6	33.5	35.4	37.1	39.5	
055	1.40	18.1	18.5	19.0	19.4	19.8	20.9	21.7	23.4	25.0	26.5	28.0	29.3	30.6	32.5	34.8	36.9	38.9	40.8	43.5	
06	1.47	19.9	20.3	20.8	21.2	21.7	22.9	23.7	25.6	27.4	29.1	30.6	32.1	33.6	35.5	37.9	40.2	42.4	44.5	47.4	
065	1.52	21.4	22.0	22.4	22.9	23.4	24.8	25.6	27.7	29.6	31.4	33.1	34.7	36.3	38.5	41.1	43.6	46.0	48.2	51.4	
07	1.60	23.2	23.7	24.3	24.8	25.3	26.8	27.7	29.9	32.0	33.9	35.8	37.5	39.2	41.4	44.3	47.0	49.5	51.9	55.3	
075	1.65	24.8	25.4	25.9	26.5	27.0	28.6	29.6	32.0	34.2	36.3	38.2	40.1	41.9	44.4	47.4	50.3	53.0	55.6	59.3	
08	1.70	26.4	27.0	27.6	28.2	28.8	30.5	31.5	34.0	36.4	38.6	40.7	42.7	44.6	47.3	50.6	53.7	56.6	59.3	63.2	
085	1.75	28.1	28.8	29.4	30.1	30.7	32.5	33.6	36.3	38.8	41.2	43.4	45.5	47.5	50.3	53.8	57.0	60.1	63.0	67.2	
09	1.80	30.4	31.1	31.8	32.5	33.2	35.1	36.4	39.3	42.0	44.5	47.0	49.2	51.4	53.2	56.9	60.4	63.6	66.7	71.2	
095	1.85	31.9	32.6	33.4	34.1	34.8	36.8	38.1	41.2	44.0	46.7	49.2	51.6	53.9	56.2	60.1	63.7	67.2	70.5	75.1	
10	1.90	33.3	34.1	34.9	35.6	36.4	38.5	39.8	43.0	46.0	48.8	51.4	53.9	56.3	59.2	63.2	67.1	70.7	74.2	79.1	
105	1.94	34.8	34.8	36.4	37.2	37.1	39.3	40.7	43.9	47.0	51.0	52.5	56.3	57.5	62.1	66.4	70.4	74.2	79.7	84.9	
11	1.98	36.2	37.1	37.9	38.7	39.5	41.8	43.3	46.8	50.0	53.0	55.9	58.6	61.2	65.1	69.6	73.8	77.8	81.6	87.0	
115	2.03	37.7	38.6	39.4	40.3	41.1	43.5	45.0	48.6	52.0	55.2	58.1	61.0	63.7	68.0	72.7	77.1	81.3	85.3	90.9	
12	2.08	39.1	40.0	40.9	41.8	42.7	45.2	46.8	50.5	54.0	57.3	60.4	63.3	66.1	71.0	75.9	80.5	84.9	89.0	94.9	
125	2.13	40.6	41.5	42.5																	