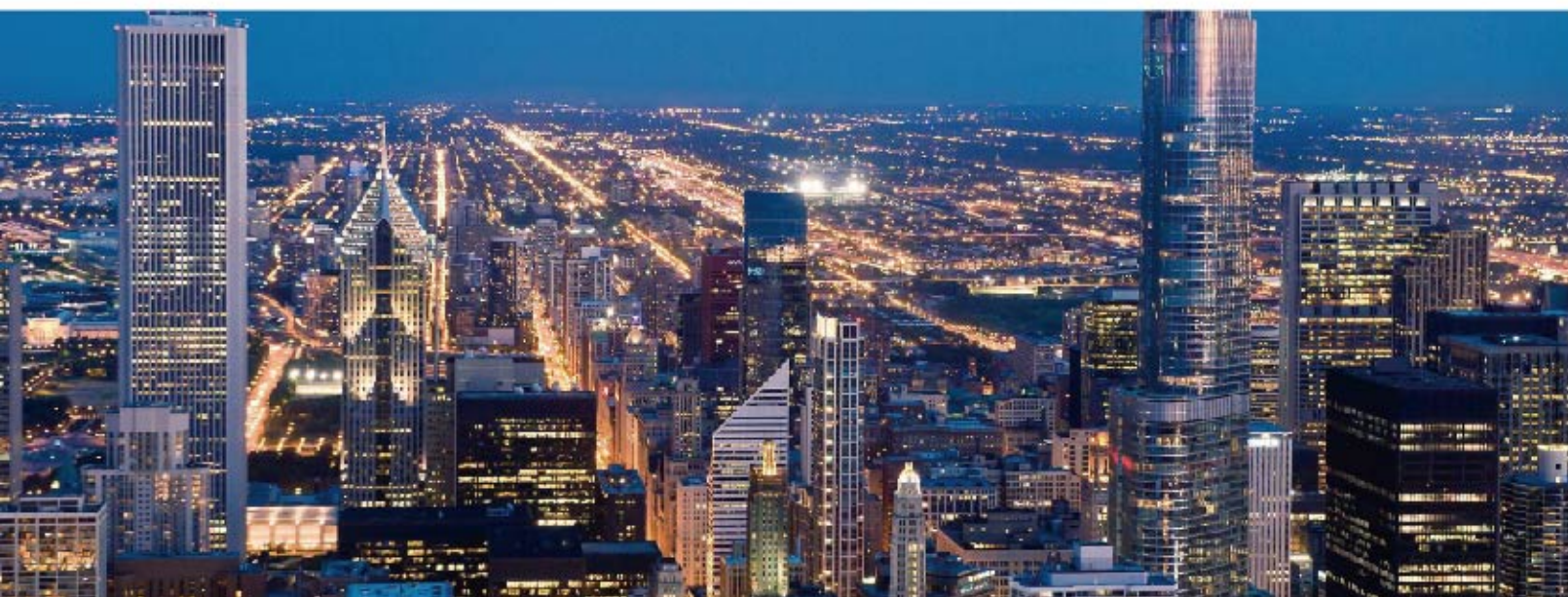


KOOP, Your Best Power Solution!



\* All datas are only for reference, actual configuration please refer to real product.



www.koopchina.com

www.famcocorp.com

E-mail: info@famcocorp.com

@famco\_group

CHANGZHOU KOOP POWER MACHINERY CO.,LTD.

ADD: NO.6 Hexiang Road, Wujin Economic Development Zone, Changzhou Jiangsu China

TEL: 0086-519-88381659

FAX: 0086-519-88384889

E-mail: isaac@koopchina.com

Tel: ۰۲۱-۴۸۰۰۰۰۴۹

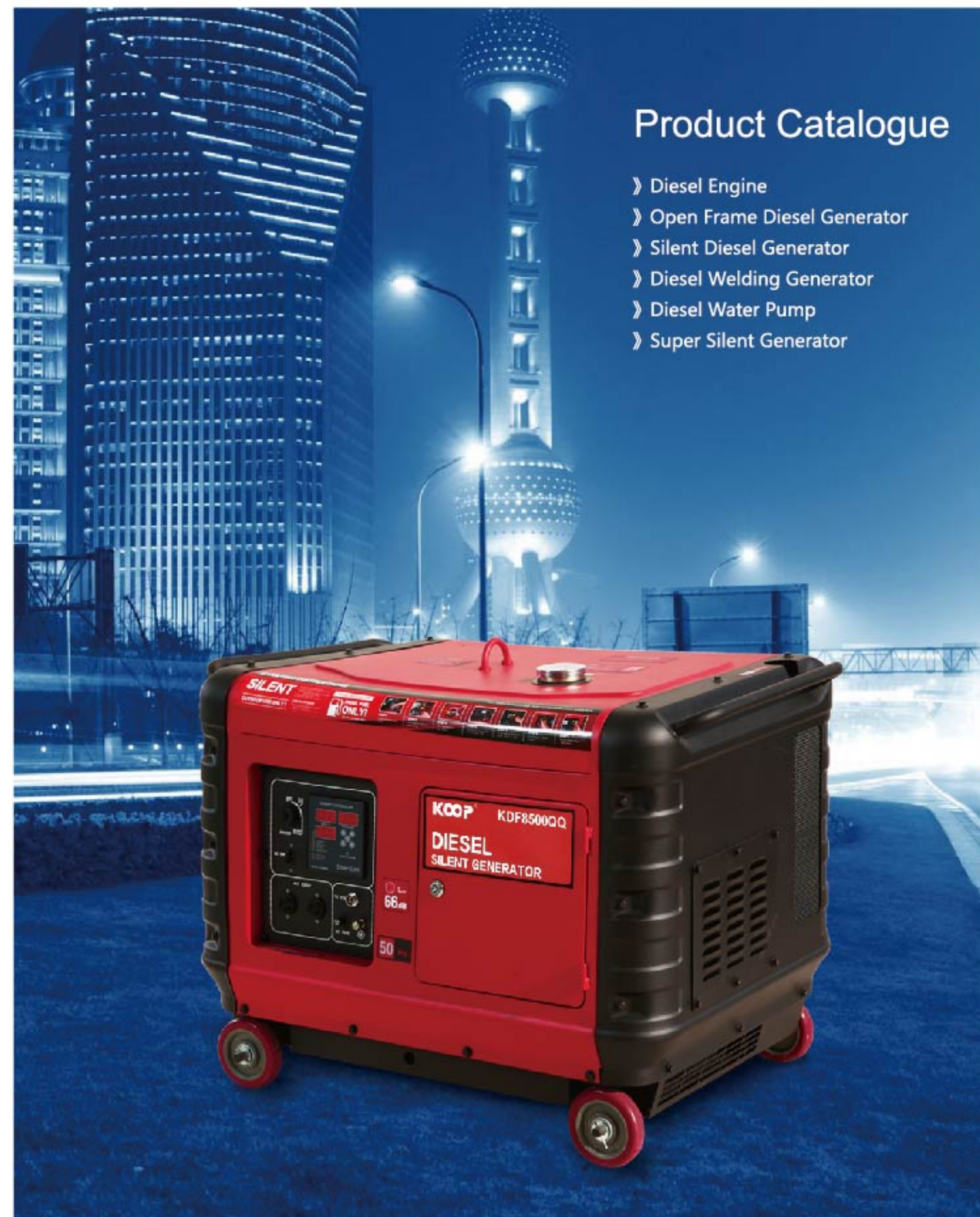
Fax: ۰۲۱-۴۴۹۹۴۶۴۲

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲

## Product Catalogue

- » Diesel Engine
- » Open Frame Diesel Generator
- » Silent Diesel Generator
- » Diesel Welding Generator
- » Diesel Water Pump
- » Super Silent Generator



www.koopchina.com



## CONTENT

01-02	Company Profile
03-04	Advanced Production Line Test Equipment Enterprise Honor
05-12	Diesel Engine 1-Cylinder Series 2-Cylinder Series
13-18	Open Frame Diesel Generator 1-Cylinder Series 2-Cylinder Series
19-22	Silent Diesel Generator 1-Cylinder Series 2-Cylinder Series
23-26	Diesel Welding Generator 1-Cylinder Series
27-32	Diesel Water Pump General Water Pump High-pressure Water Pump Cast-iron Water Pump
33-36	Super Silent Generator





## **KOOP** Company Profile»

KOOP is an enterprise specialized in the research and manufacture of small power engine and standby power system. The core team is grouped by reputable technical experts in the industry and meritocracy, who have the remarkable design capability and rich engineering experience in internal combustion engine, electrical and electric field. Through unremitting efforts, KOOP has become the professional leading supplier of small power engine and mobile power industry in China.

KOOP was founded in August, 2007, a joint-stock private technology enterprise. Located in Wujin Economic Development zone, surrounded by beautiful landscaping and gardens with convenient traffic and high-speed hub, KOOP covers an area of 50,000 square meters and an architectural area of 26,000 square meters. It owns 6 automatic flexible production lines and the testing center equipped with professional detection device for metallic phase, tension, fuel injector, fuel injector pump, camshaft, gear, cylinder airway etc. Exports account for 70% of the company's main business income, and the market throughout the world, mainly in America, Africa, and Southeast Asia etc. KOOP export amount was more than 31.2 million US dollar since 2013.

As a provincial high-tech enterprise, KOOP has persisted in leaping company forward with technology innovation and strengthening company development through scientific management. Over these years, it has been focused on developing core R&D resources and researching engine and power technology, obtaining 28 technology patents and supplying the demands of reliable power engine and high quality electrical energy. And KOOP products meet the standard of CE, EPA, ISO9001, and TS16949. KOOP awarded "Provincial hi-tech enterprise" in 2012, many products awarded "hi-tech product", which make KOOP become member of engineering technology center and council member of agricultural machinery distribution association of Changzhou city.

KOOP always insists that "quality is the only foundation to win the market". Every product is manufactured according to the standard of "zero defect". The company has established quality control system with ISO9001 and TS16949 standard and strictly carried out the system. The excellent quality and service have won world-wide reputation.

R&D ability is the core competitive strength of the company, the R&D term continuously enriches product line and now has a variety product range of single, double cylinder air-cooled engines, gasoline engines, mobile portable power sets, pumping sets and garden machineries etc. Especially, KOOP took the lead in development and production of vertical two-cylinder diesel engine like KD292F, KD2V80, and KD2V86, which has won wide attention in the industry.

KOOP always remembers the social responsibility imposed on the company, it initiated the enterprise mission of "sharing the happiness of company growth with KOOP employees, customers and suppliers"; created the corporate culture of "being the brand of the new owner with company and actualize our own personal worth" and the service concept of "being the expert in power and providing excellent service". In the future, KOOP will certainly be dedicated to developing itself into becoming the best engine power supplier in China and offering best products and service for global customers.



KOOP takes care of quality control as life.  
Each product is manufactured by heart.

KOOP follows strictly to ISO9001 and TS16949 quality standard.

Raw material analysis with analytical instruments.

Equipped with automatic assembly production line

Product air tightness and performance online test through intelligent equipment.

Create a staff keep improving working environment.

Make sure high quality of each product before shipping.

## Advanced Production Line »



## Test Equipment »



## Enterprise Honor »





# DIESEL ENGINE

Your requirement is our direction of research and development.  
KOOP will do all best to make your dream come true.

# KD

## DIESEL ENGINE

KOOP technical team always follow the step of oversea advanced engine technology, has designed excellent fuel injection system with skilled craftsmanship and strict quality concept, which makes KOOP engine strong output, safe and reliable. This high-performance fuel injection system ensures high efficiency running, lower fuel consumption and emitting the much lower the noise level.



## KD ADVANTAGE

### Patented product, excellent performance

The product has won numbers of patents, covering multiple aspects of performance, with the characteristic of low fuel consumption, high power output and low noise etc.

### Aim to high-end market, high quality components

KOOP products aim to high-end diesel engine market, all key components are purchased from brand suppliers, to make sure high quality from raw materials.

### Light weight, compact construction

New generation of small diesel engines, with more reasonable design, more output at same volume, meet multiple applications.

### Process innovation, long service life

Continuous innovation in the details of production process, improvement in the process of assembling, relevant spare parts running in good, high mechanical strength, running smoothly, little vibration, long service life.

### Easy maintenance, low operation cost

Easy lead to engine makes easy maintenance, high combustion ratio, low fuel consumption, large torque, strong power and low operation cost.

### APPLICATION AREA



1 Agriculture Machine



2 Outdoor Project



3 Emergency Power Supply



4 Standby Usage



5 Vessel and Car



### Low fuel consumption

With new tip-clearance fuel pump and bottom inertia injection technology, combine new type combustor and high burning rate, its fuel economy is much lower than gasoline engines.



### Strong power

Large reserves of torque, strong power, supper overload capacity.



### Low noise

Well-designed gear transmission structure, make the vibration decreased and noise lowed, patented air cleaner, lower the noise of air inlet and outlet.



### Safe and reliable

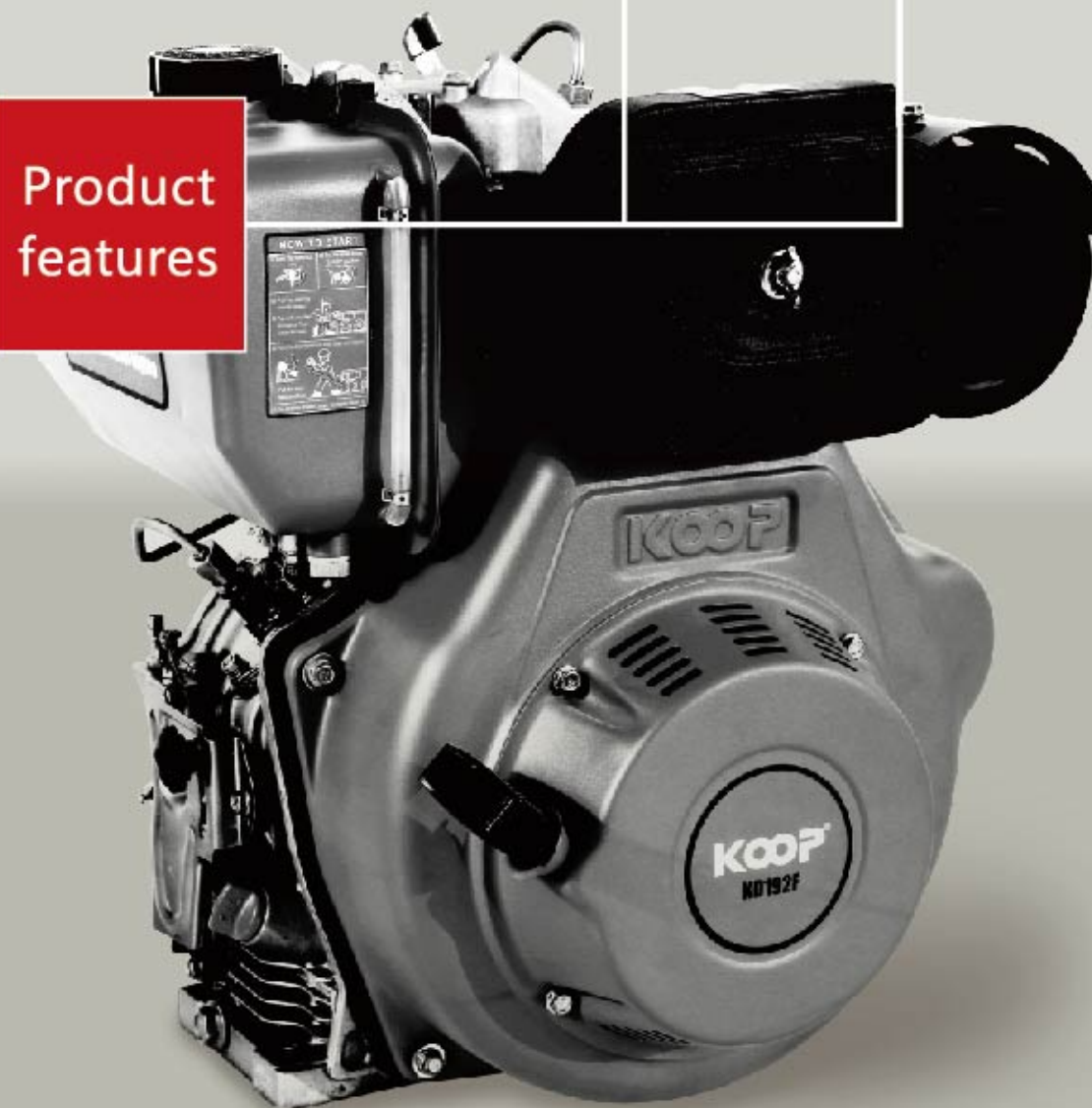
Excellent production process, strict QC system to make sure the products safe and reliable.



### Wide application area

Various kinds of output forms are optional.

### Product features



# TECHNICAL DATA



\* Italian type starter handle



\* Oil-bathed air filter



\* General starter handle



\* General air filter

## 1-Cylinder Series

Model	KD170F/FE		KD178F/FE		KD186FA/FAE	
Engine Type	1-Cylinder, 4-Stroke, Air-cooled, Vertical		1-Cylinder, 4-Stroke, Air-cooled, Vertical		1-Cylinder, 4-Stroke, Air-cooled, Vertical	
Combustion System	Direct injection		Direct injection		Direct injection	
Bore*Stroke [mm]	70*55		78*62		86*72	
Displacement [L]	0.211		0.296		0.418	
Compression Ratio	20 : 1		20 : 1		19.5 : 1	
Rated Speed [rpm]	3000	3600	3000	3600	3000	3600
Rated Power [kW]	2.5	2.8	3.7	4.0	5.8	6.6
Rated Power [hp]	3.4	3.8	5.0	5.4	7.9	9.0
Starting System	F: Recoil start		F: Recoil start		FA: Recoil start	
	FE: Electric start		FE: Electric start		FAE: Electric start	
Fuel Tank Capacity [L]	2.5		3.5		5.5	
Lube Oil Capacity [L]	0.75		1.10		1.65	
Fuel Consumption [g/kWh]	275	280	275	280	275	280
Fuel Type	0#(summer), -10#(winter) Diesel oil		0#(summer), -10#(winter) Diesel oil		0#(summer), -10#(winter) Diesel oil	
Lube Type	SAE10W30 (CD grade or above)		SAE10W30 (CD grade or above)		SAE10W30 (CD grade or above)	
Overall Dimension [mm][L*W*H]	335*380*415		383*421*450		417*441*494	
N.W [kg]	F: 27		F: 33		FA: 48	
	FE: 31		FE: 38		FAE: 53	
Rotation Direction (View from Flywheel)	Clockwise		Clockwise		Clockwise	

## 1-Cylinder Series

Model	KD188FA/FAE		KD192F/FE	
Engine Type	1-Cylinder, 4-Stroke, Air-cooled, Vertical		1-Cylinder, 4-Stroke, Air-cooled, Vertical	
Combustion System	Direct injection		Direct injection	
Bore*Stroke [mm]	88*75		92*75	
Displacement [L]	0.456		0.499	
Compression Ratio	19.5 : 1		19.5 : 1	
Rated Speed [rpm]	3000	3600	3000	3600
Rated Power [kW]	6.6	6.9	7.6	8.6
Rated Power [hp]	9.0	9.4	10.3	11.7
Starting System	FA: Recoil start		F: Recoil start	
	FAE: Electric start		FE: Electric start	
Fuel Tank Capacity [L]	5.5		5.5	
Lube Oil Capacity [L]	1.65		1.65	
Fuel Consumption [g/kWh]	275	280	275	280
Fuel Type	0#(summer), -10#(winter) Diesel oil		0#(summer), -10#(winter) Diesel oil	
Lube Type	SAE10W30 (CD grade or above)		SAE10W30 (CD grade or above)	
Overall Dimension [mm][L*W*H]	417*441*494		417*441*494	
N.W [kg]	FA: 48		F: 50	
	FAE: 53		FE: 55	
Rotation Direction (View from Flywheel)	Clockwise		Clockwise	



## TECHNICAL DATA

### High output

Two-cylinder design, compact construction, large displacement, high output.

### Low noise

Well-designed gear transmission structure, makes the vibration decreased and noise lowered; patented air filter, lowers the noise of air inlet and outlet.

### Easy start

Multihole injection coupled with gear motor, starts easily and reliable.

### Safe and reliable

Excellent production process, strict QC system to make sure the products safe and reliable.

### Wide application area

Various kinds of output forms are optional.

### Product features



\* Water-cooled Type



\* Air-cooled Type

### 2-Cylinder Series

Model	KD2V80		KD292F	
Engine Type	V Type, 2-Cylinder, 4-Stroke, Water-cooled		Vertical, 2-Cylinder, 4-Stroke, Air-cooled	
Bore*Stroke [mm]	80*79		92*75	
Displacement [L]	0.794		0.997	
Compressed Ratio	23 : 1		19 : 1	
Rated Speed [rpm]	3000	3600	3000	3600
Rated Power [kW]	12.0	14.0	14.0	15.0
Rated Power [hp]	16.3	19.0	19.0	20.4
Starting System	Electric star		Electric star	
Lube Oil Capacity [L]	2.30		2.75	
Fuel Type	0#(summer), -10#(winter) diesel oil		0#(summer), -10#(winter) diesel oil	
Lube Type	SAE10W30 (CF grade or above)		SAE10W30 (CF grade or above)	
Power-take-off	Crankshaft		Crankshaft	
Overall Dimension [mm][L*W*H]	616*486*528		582*462*582	
Net Weight [kg]	58		78	