KOP®

KOOP, Your Best Power Solution!



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



CHANGZHOU KOOP POWER MACHINERY CO.,LTD.

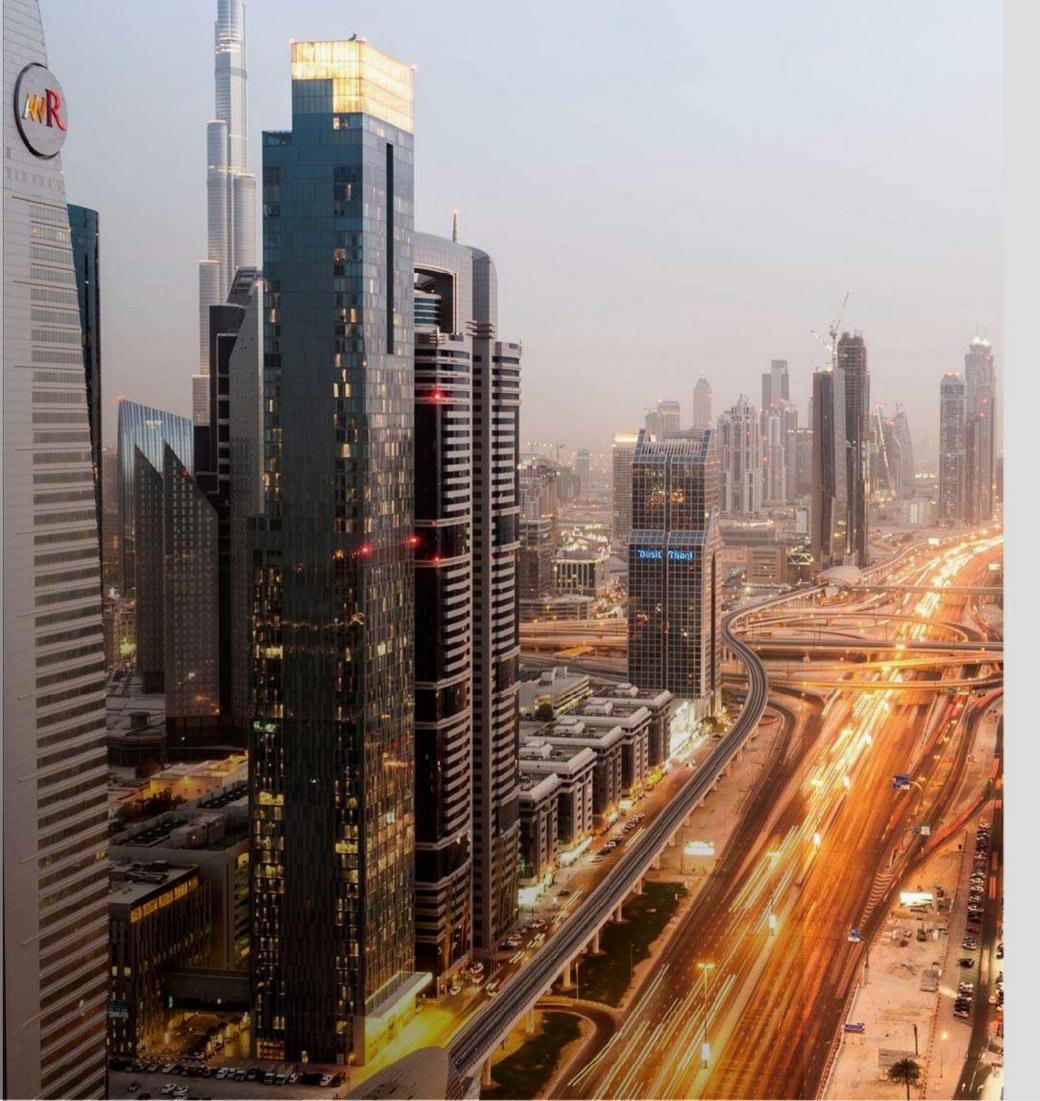
ADD: NO.6 Hexiang Road, Wujin Economic Development Zone, Changzhou Jiangsu China

TEL: 0086-519-88381659

FAX: 0086-519-88384889

E-mail: isaac@koopchina.com





CONTENT

01-02 Company Profile

03-04 Advanced Production Line

Test Equipment Enterprise Honor

05-12 Diesel Engine

1-Cylinder Series

2-Cylinder Series

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

Super Silent Generator





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 automic flexible production lines and the testing center equipped with professional detection device for metallic phase, tension, fuel injector, fule 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 techonogy innovation and strengthening company development through scientifific 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 >>









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.





Agriculture Machine



Outdoor Project



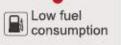
Emergency Power Supply



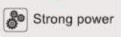
Standby Usage



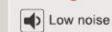
O Vessel and Car



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.



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



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



inlet and outlet.

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



Wide application area

Various kinds of output forms are optional.







* Italian type starter handle

* Oll-bathed air filter

1-Cylinder Series

Model	KD17	OF/FE	KD17	8F/FE	KD186	FA/FAE
Engine Type	1-Cylinder, 4-Stroke	, Air-cooled, Veritical	1-Cylinder, 4-Stroke	Air-cooled, Veritical	1-Cylinder, 4-Stroke	, Air-cooled, Veritica
Combustion System	Direct i	njection	Direct is	njection	Direct i	njection
Bore*Stroke [mm]	70	*55	78	*62	86	*72
Displacement [L]	0.3	211	0.2	96	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
	F: Reco	oil start	F; Reco	oil start	FA: Rec	coil start
Starting System	FE: Elec	ctric start	FE: Elec	tric start	FAE: Ele	ctric start
Fuel Tank Capacity [L]	2	.5	3	.5	5	i.5
Lube Oil Capacity [L]	0.	75	1.	10	1	.65
Fuel Consumption [g/kW	(h) 275	280	275	280	275	280
Fuel Type	0#(summer), -104	F(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 Diemension (mm)	[L*W*H] 335*3	80*415	383*4	21*450	417*4	41*494
	F:	27	F:	33	FA	: 48
N.W [kg]	FE	: 31	FE:	38	FA	E: 53
Rotation Direction (View from Flywheel)	Cloc	kwise	Cloc	cwise	Cloc	ckwise



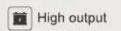


* General starter handle

* General air filter

Model	KD188	KD188FA/FAE		2F/FE
Engine Type	1-Cylinder, 4-Stroke	1-Cylinder, 4-Stroke, Air-cooled, Veritical		, Air-cooled, Veritical
Combustion System	Direct in	njection	Direct is	njection
Bore*Stroke [mm]	88	*75	92	*75
Displacement [L]	0.4	56	0.4	199
Compression Ratio	19.5	5:1	19.	5:1
Rated Speed [rpm]	3000	3000 3600		3600
Rated Power [kW]	6.6	6.9	7.6	8.6
Rated Power [hp]	9.0	9.4	10.3	11.7
Starting Contains	FA: Rec	FA: Recoil start FAE: Electric start		oil start
Starting System	FAE: Elec			tric start
Fuel Tank Capacity [L]	5	.5	5.5	
Lube Oil Capacity (L)	10	65	1.	65
Fuel Consumpition [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 Diemension [mm](L*W*H)	417*4	41*49 4	417*4	41*494
ALLAZ (b.w.)	FA	FA: 48		50
N.W [kg]	FA	E: 53	FE:	55
Rotation Direction (View from Flywheel)	Clock	kwise	Clock	kwise





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.



Various kinds of output forms are optional.



TECHNICAL DATA



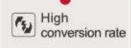


* Water-cooled Type

* Air-cooled Type

Model	KD2	V80	KD292F	
Engine Type	V Type, 2-Cylinder, 4-S	troke, Water-cooled	Vertical, 2-Cylinder, 4	-Stroke, Air-cooled
Bore*Stroke [mm]	80	*79	92	*75
Displacement [L]	0.7	94	0.5	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	Electr	ic star	Electr	ic star
Lube Oil Capacity [L]	2.	30	2.75	
Fuel Type	0#(summer), -10	(winter) diesel oil	0#(summer), -10	P(winter) diesel oil
Lube Type	SAE10W30 (CF	grade or above)	SAE10W30 (CF grade or abov	
Power-take-off	Crank	shaft	Crankshaft	
Overall Diemension [mm][L*W*H]	616*4	86*528	582*4	62*582
Net Weight [kg]	5	8	119	8





100% copper alternator,

class F insulation, high

conversion rate.



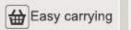


Digital panel

less voltage waveform

ensures stable voltage and distortion.

Digital intelligent control panel with display of voltage, frequency and running time, makes easy



An open frame configuration means it's easy to move and use.

Wide application

Various output sockets are available to meet all customers' requirements.











1-Cylinder Series

* Round tube frame without wheel

* Round tube frame with 4 wheels

Model	KDF25	00X/XE	KDF40	00X/XE	KDF670	0X/XE(-3)
Rated Frequency [Hz]	50	60	50	60	50	60
Rated Voltage [V]	220,230,240,110/2	20,115/230,120/240	220,230,240,110/22	0,115/230,120/240	220,230,240,110/220,127/220,115/2	30,120/240,220/380,230/400,240/415
Rated Output Power [kV	AJ 1.8	2.0	2.6	2.8	4.5(5.6)	5.0(6.3)
Max Output Power [kVA	2.0	2.2	2.8	3.0	5.0(6.3)	5.5(6.9)
Phase Number	1-P	hase	1-Pi	nase	1-Phase	r / 3-Phase
Excitation Transistorized	Self-excita	ition, brush	Self-excita	tion, brush	Self-excit	ation, brush
Power Factor Cos Φ	1	.0	1	.0	1.0	0(8.0)
Insulation Grade	1	F	1	F		F
Fuel Tank Capacity [L]	1	2.5	12	2.5	1	2.5
Frame Type	25*25mm Rou	nd tube frame	25*25mm Rou	nd tube frame	35*35mm Squa	re tube frame
Engine Mandal	X: KI	0170F	X: KC	0178F	X; KI	D186FA
Engine Model	XE: KI	0170FE	XE: KD	0178FE	XE: KI	D186FAE
Starting System	X: Recoil start;	XE: Electric start	X: Recoil start;	XE: Electric start	X: Recoil start;	XE: Electric start
Engine Type	1-Cylinder, 4-Strok	e, Air-cooled, Veritical	1-Cylinder, 4-Stroke	, Air-cooled, Veritica	1 - Cylinder, 4-Stroke	e, Air-cooled, Veritical
Bore*Stroke [mm]	70	*55	78	*62	86	5*72
Displacement [L]	0.2	211	0.2	296	0.	418
Compression Ratio	20	:1	20	:1	19	5:1
Rated Rotation Speed [r	pm) 3000	3600	3000	3600	3000	3600
Rated Power [kW]	2.5	2.8	3.7	4.0	5.8	6.6
Lube Oil Capacity [L]	0.	75	1.	10	1	.65
Fuel Consumption [g/kV	Vh] 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)
	À	TS	А	TS	,	ATS
	Remote control Digital Smart Panel		Remote	control	Remot	e control
Optional Standard			Digital Smart Panel		Digital Smart Panel	
	Wheel ar	nd handle	Wheel an	nd handle	Wheel a	nd handle
Overall Diemension [mn	n][L*W*H] 640*4	60*520	660*4	60*540	740*5	605*630
Net Weight [kg]	X: 48	XE: 63	X: 63	XE: 72	X: 99	XE: 113





* Semi-closed canopy

Model	KDF750	0X/XE(-3)	KDF8500)X/XE(-3)
Rated Frequency [Hz]	50	60	50	60
Rated Voltage [V]	220,230,240,110/220,127/220,115/	230,120/240,220/380,230/400,240/415	220,230,240,110/220,127/220,115/23	0,120/240,220/380,230/400,240/415
Rated Output Power [kVA] 5.0(6.3)	5.5(6.9)	6.0(7.5)	6.5(8.1)
Max Output Power [k	/A] 5.5(6.9)	6.0(7.5)	6.5(8.1)	7.0(8.8)
Phase Number	1-Phas	e / 3-Phase	1-Phase /	/ 3-Phase
Excitation Transistoriz	ed Self-exci	tation, brush	Self-excita	tion, brush
Power Factor Cos Φ	1	0(0.8)	1.00	0.8)
Insulation Grade		F	1	
Fuel Tank Capacity [L]		12.5	12	2.5
Frame Type	35*35mm Squ	are tube frame	35*35mm Squar	e tube frame
	X: K	D188FA	X: KC	192F
Engine Model	XE: K	D188FAE	XE: KD	192FE
Starting System	X: Recoil start;	XE: Electric start	X: Recoil start; XI	E: Electric start
Engine Type	1-Cylinder, 4-Strok	e, Air-cooled, Veritical	1-Cylinder, 4-Stroke,	Air-cooled, Veritical
Bore*Stroke [mm]	. 8	8*75	92	*75
Displacement [L]	(.456	0.4	199
Compression Ratio	1:	9.5 : 1	19.5	5:1
Rated Rotation Speed [pm] 3000	3600	3000	3600
Rated Power [kW]	6.6	6.9	7.6	8.6
Lube Oil Capacity [L]		1.65	1.	65
Fuel Consumption (g/k	Wh] 275	280	275	280
Fuel Type	0#(summer), -10	#(winter), Diesel oil	0#(summer), -10#	(winter), Diesel oil
Lube Type	SAE10W30 (C	D grade or above)	SAE10W30 (CD	grade or above)
		ATS		rs
2 1 12 20	Remo	Remote control Digital Smart Panel		control
Optional Standard	Digital S			nart Panel
	Wheel	and handle	Wheel ar	nd handle
Overall Diemension [r	nm][L*W*H] 740*	505*630	740*50	05*630
Net Weight [kg]	X: 100	XE: 114	X: 107	XE: 124







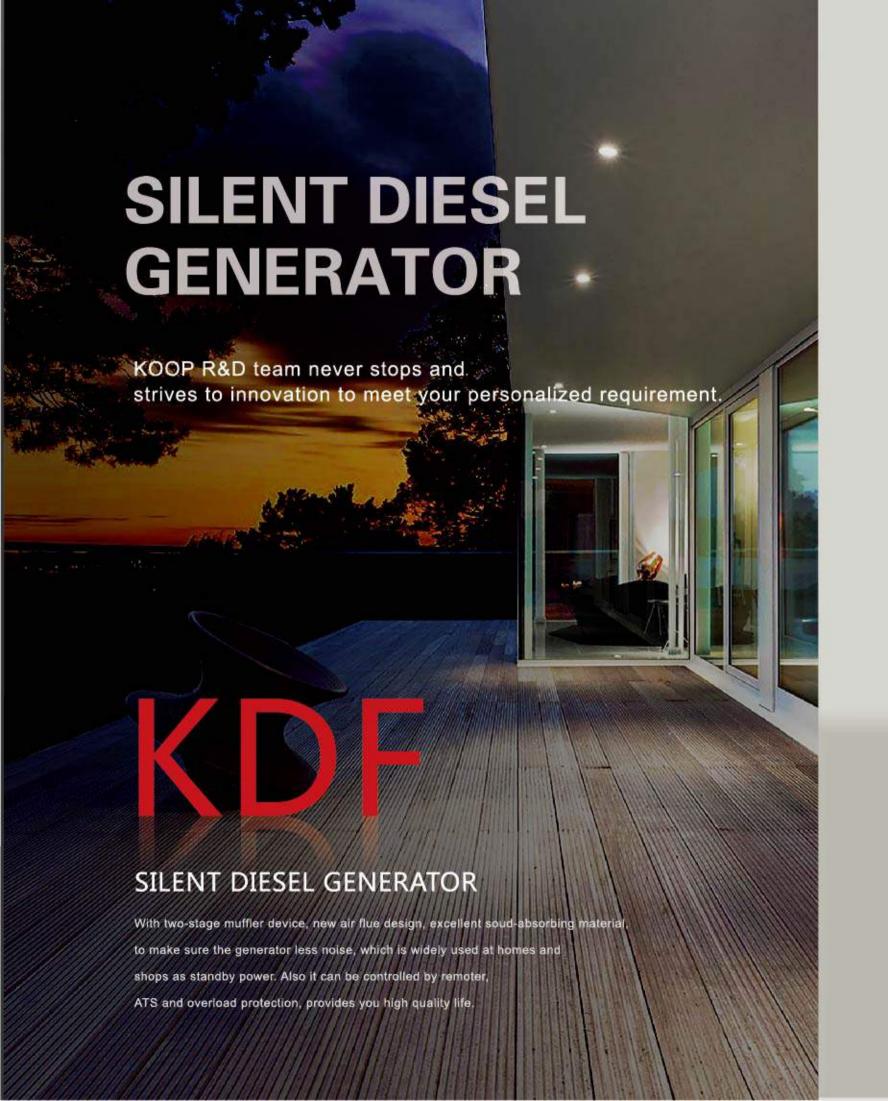
2-Cylinder Series

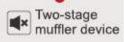
Model	KDF120	00XE(-3)	KDF160	00XE(-3)
Frequency [Hz]	50	60	50	60
Voltage [V] 220,230	,240,110/220,127/220,115/2	30,120/240,220/380,230/400,240/415	220,230,240,110/220,127/220,115/2	30,120/240,220/380,230/400,240/415
Rated Power [kVA]	9.0(11.0)	9.5(11.5)	11.0(13.75)	12.0(15.0)
Max. Power [kVA]	10.0(12.0)	10.5(12.5)	12.0(15.0)	13.0(16.0)
Phase Number	1-Phase	1-Phase / 3-Phase		/ 3-Phase
Excitation Transistorized	Self-excita	Self-excitation, brush		tion, brush
Power Factor Cos Φ	1.0	1.0(0.8)		0.8)
Insulation Grade	1	F:		F
Fuel Capacity [L]	3	4	34	
Frame Type	35*35mm Round	35*35mm Round tube frame		nd tube frame
Engine Model	KD2	V80	KD292F	
Starting System	Electr	Electric start		c start
Engine Type	2-Cylinder, 4-Stroke, W	ater-cooled, V Type	2-Cylinder, 4-Stroke, Air-cooled, Vertical	
Bore*Stroke [mm]	2-8	0*79	2-92*75	
Displacement [L]	0.7	94	0.997	
Compression Ratio	23	:1	19	:1
Rated Rotation Speed [rpm	3000	3600	3000	3600
Rated Power [KW]	12.0	14.0	14.0	15.0
Lube Oil Capacity [L]	2.	2.30		75
Fuel Type	0#(summer), -10#	0#(summer), -10#(winter) diesel oil		(winter) diesel oil
Lube Type	SAE10W30 (CF	grade or above)	SAE10W30 (CF grade or above)	
Overall Diemension [mm][l	L*W*H] 1060*6	60*880	930*66	50*910
Net Weight [kg]	2	20	2:	30

SOCKET & PANEL SERIES

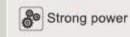
Code	Description	Specification	Picture	Panel
S01	S.Asocket	25A, 250V	0	
S02	British socket	32A, 240V		
503	British socket	16A, 240V		A type-Export standard
S04	Square American type-socket	20A, 120A	- <u>-</u>	
\$05	Germany socket	16A, 250V		B:type-U.S.A standard
S06	Three-phase five holes socket	16A, 415V		
\$07	French socket	16A, 250V		
S08	Three phase four holes socket	16A, 215V		C:type-European standard
S09	American type 4-hole anti loose socket	30A, 250V		
S10	American double socket	20A, 125V		D:type-Australia standard
S11	3-hole anti loose socket (UL-anthentication optional)	30A, 250V		Day of the state o
S12	Australian socket	16A, 250V	00	
\$13	Swiss socket	10A, 250V		Three phase panel







Scientific damping effect, patent two-stage muffler silencer, advanced air-flue design and muffler device.



With KOOP four-stoke diesel engine, new tip-clearance fuel pump and bottom inertia injection technology, makes burning full and power strong.

High conversion efficiency

100% copper alternator, class F insulation, high conversion efficiency, smart AVR controller ensures stable voltage and less voltage waveform distortion.



With air-preheating device, it can be easily started at low temperature.



Remoter: control anytime anywhere freely. ATS: automatic transfer from oby power and gen-set power. Intelligent digital control panel: with overload, over voltage, over current and low oil pressure protection function.

Product features









1-Cylinder Series

* General canopy

* Tall canopy

Model	KDF67	00Q(-3)	KDF750	00Q(-3)	KDF85	00Q(-3)
Rated Frequency [Hz]	50	60	50	60	50	60
Rated Voltage [V]		220,230,240,	110/220,127/220,115/23	30,120/240,220/380,230,	/400,240/415	
Rated Output Power [kVA	4.5 (5.6)	5.0(6.3)	5.0(6.3)	5.5(6.9)	6.0(7.5)	6.5(8.1)
Max Output Power [kVA]	5.0(6.3)	5.5(6.9)	5.5(6.9)	6.0(7.5)	6.5(8.1)	7.0(8.8)
DC Output	12V	8.3A	12V	8.3A	12V	8.3A
Phase Number	1-Phase	/ 3-Phase	1-Phase /	/ 3-Phase	1-Phase	/ 3-Phase
Excitation Mode	Self-excita	ation, brush	Self-excita	tion, brush	Self-excita	tion, brush
Power Factor Φ	1.0	(0.8)	1.0(0.8)	1.0	(0.8)
Insulation Grade		F	j			F
Fuel Tank Capacity [L]	1	4.5	14	1.5	3	0.0
Engine Model	KD1	86FAE	KD18	8FAE	KD1	92FE
Starting System	Electr	ic start	Electri	c start	Electr	ic start
Engine Type 1-	Cylinder, 4-Stroke	e, Air-cooled, Veritical	1-Cylinder, 4-Stroke,	Air-cooled, Veritical	1-Cylinder, 4-Stroke	, Air-cooled, Veritical
Bore*Stroke (mm)	86	5*72	88'	*75	92	*75
Displacement [L]	0.	418	0.4	56	0,	199
Compression Ratio	19.	5:1	19.5	:1	19.	5:1
Rated Rotation Speed [rps	m] 3000	3600	3000	3600	3000	3600
Rated Power [kW]	5.8	6.6	6.6	6.9	7.6	8,6
Lube Oil Capacity [L]	1	.65	1.)	65	1	65
Fuel Type	0#(summer), -10	#(winter), diesel oil	0#(summer), -10#	(winter), diesel oil	0#(summer), -104	F(winter), diesel oil
Lube Type	SAE10W30 (CD	grade or above)	SAE10W30 (CD	grade or above)	SAE10W30 (CD	grade or above)
Low Oil Pressure Alarm Sy	stem W	/ith	w	ith	W	ith
	А	NTS.	A	rs	A	TS
Optional Standard	Remote	e control	Remote	control	Remote	control
	Digital Si	mart Panel	Digital Sn	nart Panel	Digital Sr	nart Panel
Overall Diemension [mm][L*W*H] 910*5	30*740	910*5	30*740	910*5	30*840
Net Weight [kg]	1	49	15	51	1	71



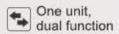


Model	KDF120	00Q(-3)	KDF160	00Q(-3)
Frequency [Hz]	50	60	50	60
Voltage [V] 220,230,240,110	0/220,127/220,115/23	0,120/240,220/380,230/400,240/415	220,230,240,110/220,127/220,115/2	0,120/240,220/380,230/400,240/415
Rated Power [kVA]	9.0(11.0)	9.5(11.5)	11.0(13.8)	12.0(15.0)
Max. Power [kVA]	10.0(12.0)	10.5(12.5)	12.0(15.0)	13.0(16.0)
Phase Number	1-Phase / 3-Phase		1-Phase /	3-Phase
Excitation Transistorized	Self-excitation, brush		Self-excitat	ion, brush
Power Factor Cos Φ	1.0(0.8)		1.00	0.8)
Insulation Grade	F	10	1	E)
Fuel Capacity [L]	2	5	26	
Noise Level [Db](@7m)	70		75	
Engine Model	KD2V80		KD2	92F
Engine Type 2-	2-Cylinder, 4-Stroke, Water-cooled, V Type		2-Cylinder, 4-Stroke	, Air-cooled, Vertical
Starting System	Electric	start .	Electri	c start
Bore*Stroke [mm]	2-80	*79	2-92*75	
Displacement [L]	0.7	94	0.997	
Compression Ratio	23	:1	19:1	
Rated Rotation Speed [rpm]	3000	3600	3000	3600
Rated Power [kW]	12.0	14.0	14.0	15.0
Lube Oil Capacity [L]	2.3	10	2.75	
Fuel Type	0#(summer), -10#	(winter) diesel oil	C#(summer), -10#(winter) diesel oil	
Lube Type	SAE10W30 (CF grade or above)		SAE10W30 (CF grade or above)	
Overall Diemension [mm][L*W*H]	нј 1200*650*890		1250*650*890	
Net Weight [kg]	31	0	3,	20





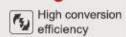




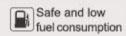
Welding and power supply at the same time.



With KOOP strong air-cooled 4-stroke diesel engine, provides supper welding current.



100% copper alternator, class F insulation, high conversion efficiency, smart AVR controller ensures stable voltage and less voltage waveform distortion.



With new tip-clearance fuel pump and bottom inertia injection technology, security is better than that of gasoline.



New design of frame, compact structure, four strong wheels, easy to move.

Product features



TECHNICAL DATA



Model	KDF67	700WE	KDF85	SOOWE	
Rated Frequency [Hz]	50	60	50	60	
Rated Voltage [V]	220,230,240,110/2	20,115/230,120/240	220,230,240,110/22	20,115/230,120/240	
Rated Output Power [kVA]	2.0	2.2	2.0	2.2	
Welding Voltage Without Load [V]	50	-65	50-	-65	
Rated Current [A]	1	60	20	00	
Work Voltage[V]	25	~30	25-	-30	
Current Regulation Range [A]	50-	180	70~	220	
Welding Load Continuous Ration	61)%	60	1%	
Phase Number	1-P	nase	1-Ph	nase	
Excitation Transistorized	Self-excita	tion, brush	Self-excita	tion, brush	
Power Factor Φ	1.0		1.0		
Insulation Grade	F		F		
Fuel Tank Capacity [L]	12.5		12	2.5	
Frame Type	35*35mm Square tube frame		35*35mm Squa	are tube frame	
ingine Model	KD1:	86FAE	KD192FE		
Starting System	Electr	ic start	Electric start		
ingine Type	1-Cylinder, 4-Stroke	, Air-cooled, Veritical	1-Cylinder, 4-Stroke, Air-cooled, Veritical		
lore*Stroke [mm]	86	*72	92*75		
Displacement	0.4	118	0.499		
Compression Ratio	19.	5:1	19.5	i:1	
Ration Rotation Speed [rpm]	3000	3600	3000	3600	
Rated Power [kW]	5.8	6.6	7.6	8.6	
Power-take-off	Crani	shaft	Crankshaft		
Lube Oil Capacity [L]	1.	65	1.	65	
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)	
Low Oil Pressure Alarm System	W	ith	W	ith	
Overall Diemension [mm][L*W*H]	750*5	15*640	750*5	15*640	
Net Weight [kg]	1	16	1:	27	

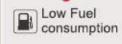


DIESEL WATER PUMP

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

DIESEL WATER PUMP

Supper suction capacity, with big flow, compact design, easy to move, widely used in agricultural irrigation, fishery, flood-fighting and emergency rescues, construction site, tunnels, etc. Self-suction pump, high pressure pump and iron pump to choose, can meet various requirements

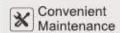


With KOOP strong air-cooled diesel engine, make sure low fuel consumption.



Portable design

New light weight and compact design make it easy and safe



Aluminum self-priming pump, maintenance free; open design, easy leads to the engine.



Reliable and durable

Safe and reliable engine with enhanced pump cover structure assure the pump durable service.



Head high and less self-priming

Strong engine and vortex impeller design, good sealing, greatly promote head of delivery, and less self-priming

Product features











General Water Pump

Model	KDP50B/BE/L/LE	KDP80B/BE/L/LE	KDP100B/BE/L/LE
Suction / Discharge Port D	ameter [mm] 50 (2*)	80(3")	100 (4")
Cont. Capacity [m³/h]	22	35	40
Cont. Head [M]	15	- 17	19
Self-priming Time [s/4m	70	120	180
Max.Suction Head [M]	7.0	7.0	7.0
	B: small fuel tank (2.5L)	B: small fuel tank (3.5L)	B; small fuel tank (5.5L)
Fuel Tank Capacity [L]	L: large fuel tank (12.5L)	L: large fuel tank (12.5L)	L: large fuel tank (12.5L)
Engine Type	KD170F/FE	KD178F/FE	KD186FA/FAE
Starting System	F; Recoil start	F: Recoil start	FA: Recoil start
starting system	FE: Electric start	FE: Electric start	FAE: Electric start
Engine Type	1-Cylinder, 4-Stroke, Air-cooled, Veritical	1-Cylinder, 4-Stroke, Air-cooled, Veritical	1-Cylinder, 4-Stroke, Air-cooled, Veritical
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 Rotation Speed [rj	pm] 3600	3600	3600
Rated Power [kW]	2.8	4.0	6.6
Lube Oil Capacity [L]	0.75	1.10	1.65
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 Diemension [mm]	L*W*H] 490*410*520	560*455*550	650*470*700
N.W [kg]	41	49	69



High Pressure Water Pump

Model	KDP40HB/HBE/HL/HLE	KDP50HB/HBE/HL/HLE	
Suction / Discharge Port Diameter [mm	40 (1.5*)	50 (2")	
Cont. Capacity [m ¹ /h]	12	18	
Cont. Head [M]	42	45	
Self-priming Time [s/4m]	120	180	
Max.Suction Head [M]	6.0	6.0	
Fuel Tank Capacity (L)	B: small fuel tank (5.5L)	B; small fuel tank (5.5L)	
	L: large fuel tank (12.5L)	L: large fuel tank (12.5L)	
Engine Type	KD178F/FE	KD186FA/FAE	
Starting System	F: Recoil start	FA: Recoil start	
Starting System	FE: Electric start	FAE: Electric start	
ingine Type	1-Cylinder, 4-Stroke, Air-cooled, Veritical	1-Cylinder, 4-Stroke, Air-cooled, Veritical	
Bore*Stroke [mm]	78*62	86*72	
Displacement [L]	0.296	0.418	
Compression Ratio	20:1	19.5:1	
Rated Rotation Speed [rpm]	3600	3600	
Rated Power [kW]	4.0	6.6	
Lube Oil Capacity [L]	1.10	1.65	
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 Diemension [mm][L*W*H]	570*465*670	655*480*720	
N.W [kg]	47	67	





Cast-iron Water Pump

Model	KDP40CB/CBE/L/LE	KDP50/40CB/CBE/L/LE	
Suction / Discharge Port Diameter [n	nm] 40(1.5*)	50(2")*40(1.5")	
Cont. Capacity [m³/h]	19	30	
Cont. Head [M]	70	80	
Self-priming Time [s/4m]	120	180	
Max,Suction Head [M]	8.0	8.0	
Full Tank Councils (II)	B: small fuel tank (2.5L)	B: small fuel tank (3.5L)	
Fuel Tank Capacity [L]	L: large fuel tank (12.5L)	L: large fuel tank (12.5L)	
Engine Type	170F/FE	178F/FE	
SSIC ICS	F: Recoil start	F: Recoil start	
Starting System	FE: Electric start	FE: Electric start	
ingine Type	1-Cylinder, 4-Stroke, Air-cooled, Veritical	1-Cylinder, 4-Stroke, Air-cooled, Veritical	
mpeller Diemeter [mm]	160	175	
ore*Stroke [mm]	70*55	78*62	
Displacement [L]	0.211	0.296	
Compression Ratio	20:1	20:1	
Rated Rotation Speed [rpm]	3600	3600	
Rated Power [kW]	2.8	4.0	
Lube Oil Capacity [L]	0.75	1.10	
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 Diemension [mm][L*W*H]	570*460*680	570*460*680	
N.W [kg]	65	70	



Cast-iron Water Pump

Model	KDP50CE	/CBE/L/LE	KDP80CB	/CBE/L/LE	KDP100/800	CB/CBE/L/LE	
Suction/Discharge Port Diame	rter [mm] 50(2")	50(2*)	80(3*)	80(3*)	100/80(4"/3")	100/80(4*/3*)	
Cont. Capacity [m³/h]	30	35	47	40	90	150	
Cont. Head [M]	80	92	80	102	60	75	
Self-priming Time [s/4m]	180	180	180	180	200	200	
Max.Suction Head [M]	8.0	8.0	8.0	8.0	8.0	8.0	
Fuel Tank Capacity [L]	B: small fuel t	B: small fuel tank (3.5L /5.5L)		B: small fuel tank (5.5L)		B: small fuel tank (5.5L)	
	L: large fue	L: large fuel tank (12.5L) L: large fuel tank (12.5L)		l tank (12.5L)	L: large fuel tank (12.5L)		
Engine Type	178F/FE	186FA/FAE	186FA/FAE	188FA/FAE	186FA/FAE	188FA/FAE	
Starting System	F: Recoil start	FA: Recoil start	FA: Recoil start		FA: Recoil start		
	FE: Electric start	FAE: Electric start	FAE: Electric start		FAE: Electric start		
Engine Type	1-Cylinder, 4-Stroke, Air-cooled, Veritical 1-Cylinder, 4-Stroke, Air-cooled, Ve		, Air-cooled, Veritical	1-Cylinder, 4-Stroke, Air-cooled, Veritical			
Impeller Diemeter [mm]	175	198	188	208	150	175	
Bore*Stroke [mm]	78*62	86*72	86*72	88*75	86*72	88*75	
Displacement [L]	0.296	0.418	0.418	0.456	0.418	0.456	
Compression Ratio	20:1	19.5 : 1	19.5 : 1	19.5 : 1	19.5 : 1	19.5 : 1	
Rated Rotation Speed [rpm	3600	3600	3600	3600	3600	3600	
Rated Power [kW]	4.0	6.6	6,6	6.9	6.6	6.9	
Lube Oil Capacity [L]	1.10	1.65	1.65	1.65	1.65	1.65	
Fuel Type 0#(summ		(winter) Diesel oil	0#(summer), -10#(winter) Diesel ail		0#(summer), -10#(winter) Diesel oil		
Lube Type	SAE10W30 (CD	SAE10W30 (CD grade or above)		SAE10W30 (CD grade or above)		SAE10W30 (CD grade or above)	
Overall Diemension [mm][L	*W*H] 570*460*680	570*495*720	570*460*720	570*495*720	570*495*720	570*495*720	
N.W [kg]	75	78	80	80	85	85	









The sound level achieves international leading level; which overturns traditional image of Chinese silent diesel generator.



New structure design, KOOP brand unique out-looking with red and black color.

U-type air flue design

With new U-type air flue design, all inlet and exhaust air go through it, achieves the effect of sound insulation.

Super strong structure

New design canopy with thicker base frame to enhance generator structural strength, meanwhile achieve the effect of sound insulation and vibration



Smooth output

100% copper alternator, class F insulation, high conversion efficiency, smart AVR controller ensures stable voltage and less voltage waveform distortion.

Product features



TECHNICAL DATA



Model	KDF6700QQ(-3)		KDF8500QQ(-3)		
Rated Frequency [Hz]	50	60	50	60	
Rated Voltage [V] 220,230,240	110/220,127/220,115/230,120/240,220/380,230/400,240/415		220,230,240,110/220,127/220,115/230,120/240,220/380,230/400,240/415		
Rated Output Power [kVA]	4.2(5.3)	4.5(5.6)	5.5(6.9)	6.0(7.5)	
Max Output Power [kVA]	4.5(5.6)	5.0(6.3)	6.0(7.5)	6.5(8.1)	
Phase Number	1-Phase / 3-Phase		1-Phase / 3-Phase		
Excitation Mode	Self-excitation, brush		Self-excitation , brush		
Power Factor Φ	1.0(0.8)		1.0(0.8)		
Insulation Grade	F		(E)		
Fuel Tank Capacity [L]	14.	5	14.5		
Noise Level [Db](@7m)	65	66	66	67	
Engine Model	KD186FAE		KD192FE		
Starting System	Electric start		Electric start		
Engine Type	1-Cylinder, 4-Stroke, Air-cooled, Veritical		1-Cylinder, 4-Stroke, Air-cooled, Veritical		
Bore*Stroke [mm]	86*72		92*75		
Displacement [L]	0.418		0.499		
Compression Ratio	19.5 : 1		19.5 : 1		
Rated Rotation Speed [rpm]	3000	3600	3000	3600	
Rated Power [kW]	5.8	6.6	7.6	8.6	
Lube Oil Capacity [L]	1.65		1.65		
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)		
Low Oil Pressure Alarm System	tem With		With		
Optional Standard	ATS		ATS		
	Remote control		Remote control		
Overall Diemension [mm][L*W*H]	995*645*890		995*645*890		
Net Weight [kg]	207		210		

