



## INNOVATION LEADS THE FUTURE POWER

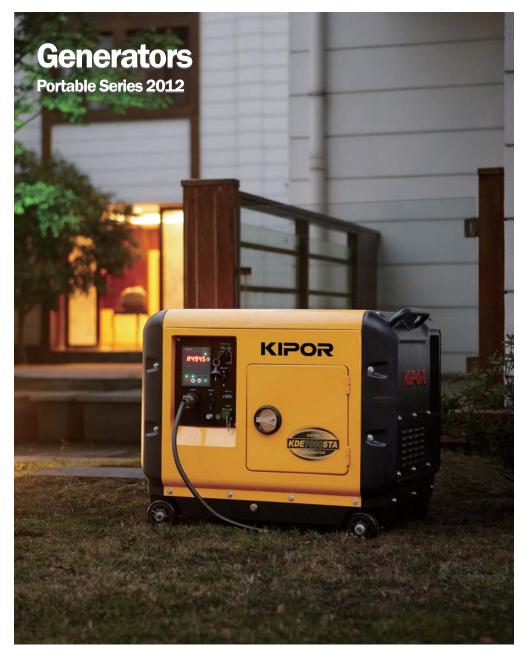
#### www.kipor.com

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# PORTABLE DIGITAL GENERATOR

KIPOR has the right generator to meet your portable power needs. KIPOR---the best choice in portable power.

Outstanding serviceability and reliable performance in a simple, easy-to-use design make Kipor generators the best choice in portable power.

Ideal for RV, campground, home and outdoor power applications.

KIPOR Digital Sinemaster Generators provide clean and quiet portable power. These compact and light-weight generators are the perfect match for the RV or campground, when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sine wave generators can run sensitive electronic equipment.

1

## Inverter Technology

Kipor Digital Generators deliver a stable, pure sine wave AC output, reliable enough to power even the most sensitive electronic equipment. When you need backup power at home, these technically advanced inverter generators will get you and all your appliances through any power related emergency. A high efficiency combustion system produces low emissions to maintain a clean environment. Kipor' s unique Smart Throttle control system fosters exceptional fuel economy. Kipor Digital Generators deliver quiet, quality power in a compact package ranging in size from small easy to carry lightweight models to larger models with ergonomically designed handles and wheels that can be easily trans-Sinemaster generators are designed

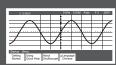
for maximum portability.

2





Unique patented air cooling system



Sine wave diagram of KIPOR Digital series generator 3

## **Product Features**

Clean high quality output can power the most sensitive electronic equipment.

Lightweight and compact design for maximum portability and efficiency.

Low noise design is optimized for effciency resulting in a clean digital generator.

Kipor Digital Generators feature low emissions and are highly fuel efficient and quiet making them among the most environmentally friendly generators on the market.

The microprocessor control instantly senses an overload or short circuit and immediately shuts off the engine to protect the generator and the load.

The inverter module adjusts the engine speed based on the load required resulting in reduced wear and fuel consumption.

Ideal for RV, campground and home applications.



We wish to develop technologies to improve our lives.KIPOR is always on the move to achieve that dream.



## IG gasoline models









	IG770	IG1000	IG1000s	IG1000p
Rated frequency (Hz)	50/60	50/60	50/60	50/60
Rated output (kVA)	0.7	0.9	0.9	0.9
Max. output (kVA)	0.77	1.0	1.0	1.0(1.8 in parallel)
Dimensions(mm)	415×220×360	460×250×395	600×250×400	460×250×395
Noise level (zero load-full load) [dB(A)/1m]	60-65	54-59	54-59	54-59
Net weight (kg)	10.5	14	16	14



- Low noise design
- ▶ Lightweight and compact
- Long running time
- ► Advanced inverter technology provides reliable power for computers and other sensitive equipment

One of KIPOR's never ending tasks is to produce high quality environmentally friendly generators.

**Today KIPOR offers digital generator** which are considered advanced, reliable, and with a high quality output.

#### **Product Features**



#### **Lightweight Portable**



## The Latest Technology





#### **Green Power System**

The KIPOR Digital Sinemaster Series is among the most environmental friendly class of generators in the marketplace.



#### **Quality Power**

KIPOR applies inverter technology to the Digital Sinemaster Series generator produce pure sine wave AC output.



## A Wide Range of Benefits

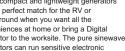
fficient power, KIPOR offers superio



Outstanding serviceability and reliable performance in a simple, easy-to-use design make Kipor generators the best choice in portable power.

Ideal for RV, Campground, Home Applications and more.

KIPOR Digital Sinemaster Generators provide clean and quiet portable power. These compact and lightweight generators are the perfect match for the RV or campground when you want all the conveniences at home or bring a Digital generator to the worksite. The pure sinewave generators can run sensitive electronic equipments







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## IG gasoline models







	IG2000	IG2000s	IG2000p
Rated frequency (Hz)	50/60	50/60	50/60
Rated output (kVA)	1.6	1.6	1.6
Max. output (kVA)	2.0	2.0	2.0(3.6 in parallel)
Dimensions(mm)	515×300×430	670×300×430	515×300×430
Noise level (zero load-full load) [dB(A)/1m]	61-73	61-73	61-73
Net weight (kg)	22	24.5	22



- Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ► Advanced inverter technology provides reliable power for computers and other sensitive equipment



**Product Features** 



Lightweight Portable
The alternator is connected
directly to the engine, eliminating the
weight of the flywheel.



## Unique Structure Utilizing The Latest Technology The generator is cooled by a

patented air intake system.

The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric



KIPOR digital gensets have received EPA, CE, CARB, CETL and PSE



Green Power System
The KIPOR Digital Sinemaster Series
is among the most environmental friendly
class of generators in the marketplace.



Quality Power KIPOR applies inverter technology to the Digital Sinemaster Series generators to produce pure sine wave AC output.



#### A Wide Range of Benefits

In addition to clean, quiet, and efficient power, KIPOR offers superior overload and low oil level protection to all









600	IG26

Rated frequency (Hz)	50/60	50/60
Rated output (kVA)	2.3	2.3(4.14 in parallel)
Max. output (kVA)	2.6	2.6(4.68 in parallel)
Dimensions(mm)	565×320×465	640×330×465
Noise level (zero load-full load) [dB(A)/1m]	58-65	58-65
Net weight (kg)	29.5	29.5





We wish to develop technologies to improve our lives.KIPOR is always on the move to achieve that dream.





## IG gasoline models







	IG3000	IG3000p	IG3000E
Rated frequency (Hz)	50/60	50/60	50/60
Rated output (kVA)	2.8	2.8	2.8
Max. output (kVA)	3.0	3.0(5.4 in parallel)	3.0
Dimensions(mm)	685×430×495	685×430×495	495×410×430
Noise level (zero load-full load) [dB(A)/1m]	63-73	63-73	68-78
Net weight (kg)	57	57	40



- Low noise design
- ▶ Lightweight and compact
- ▶ Long running time
- ► Advanced inverter technology provides reliable power for computers and other sensitive equipment



#### **Product Features**



Lightweight Portable
The alternator is connected
directly to the engine, eliminating the



Unique Structure Utilizing The Latest Technology The generator is cooled by a

The smart throttle power management system, the sound attenuated structure and inverter style output all combine to produce state of the art portable electric



Certification

KIPOR digital gensets have received EPA, CE, CARB, CETL and PSE certification.



**Green Power System** 

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**Quality Power** 

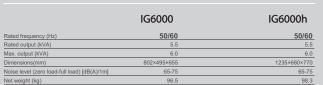
KIPOR applies inverter technology to the Digital Sinemaster Series generators to produce pure sine wave AC output.



A Wide Range of Benefits In addition to clean, quiet, and efficient power, KIPOR offers superior







Generating set			IG770			IG1000
Rated frequency	Hz	50		60	50	60
Prime power	kVA		0.7			0.9
Standby power	KVA		0.77			1
Rated voltage	V	230		120/240	230	120/240
Rated current	A	3.04		5.83/2.92	3.9	7.5/3.75
Rated rotation speed	r/min		6000			5500
DC output			Withou	t		12V-5.0A
Generator type			KD09			KD10
Power factor	COS¢	)	1			1
Phase number		S	Single ph	ase	Si	ngle phase
Engine						
Engine type			KG140	)		KG144
Structure type		in-l	ngle cylir lined, 4-s led,overh		in-li	ngle cylinder, ined, 4-stroke, ed,overhead valve
Bore×stroke	mm		40×30			43.5×36
Displacement	ml		0.0376	8		0.0535
Compression ratio			8.5 1			8.5 1
Rated power	KW/(r/	min)	1.0/600	0		1.3/5500
Lube oil brand		Above	SF SAE	10W-30	Above SF S	AE 10W-30、15W-40
Lube capacity	L		0.15			0.2
Lgnition system			T.C.I			T.C.I
Spark plug			UR5			UR5
Starter system		F	Recoil sta	rter	Re	ecoil starter
Battery capacity			-			-
Fuel type		Vehic	cle lead-fr	ee petrol	Vehicle	e lead-free petrol
Lowest fuel consumption(g/KW.h	) g/KW.l	h	450			420
Genset						
Fuel consumptiom	g/KW.l	h	550			550
Fuel tank capacity	L		1.55			2.6
Continuous running time(hr)(rate	d output) h		3			5
Noise(unload-full load)	dB(A)/	1m	60-65	5		54-59
Overall dimension	mm	4	15×220×	360	46	0×250×395
Overall dimension			-			-
Net weight	kg		10.5			14
Structure type		Pe	ortable, s	ilent	Po	rtable, silent

IG1000s	IG1000p	IG2000
50 60	50 60	50 60
0.9	0.9	1.6
1	1(1.8KVA in parallel)	2
230 120/240	230 120/240	230 120/240
3.9 7.5/3.75	3.9 7.5/3.75	7 13.3/6.7
5500	5500	4500
12V-5.0A	12V-5.0A	12V-5.0A
KD10	KD10	KD20
1	1	1
Single phase	Single phase	Single phase
KG144	KG144	KG158
Single cylinder, in-lined, 4-stroke, air cooled, overhead valve	Single cylinder, in-lined, 4-stroke, air cooled,overhead valve	Single cylinder, in-lined, 4-stroke, air cooled,overhead camshaft
43.5×36	43.5×36	58×40
0.0535	0.0535	0.1056
8.5 1	8.5 1	8.5 1
1.3/5500	1.3/5500	2.2/4500
Above SF SAE 10W-30、15W-40	Above SF SAE 10W-30、15W-40	Above SF SAE 10W-30、15W-40
0.2	0.2	0.4
T.C.I	T.C.I	T.C.I
UR5	UR5	UR5
Recoil starter	Recoil starter	Recoil starter
-	-	
Vehicle lead-free petrol	Vehicle lead-free petrol	Vehicle lead-free petrol
420	420	420
550	550	550
2.6	2.6	3.7
5	5	3
54-59	54-59	61-73
600×250×400(after shrinkage)	460×250×395	515×300×430
330×215×140(lamp cap)	-	-
16	14	22
Portable, silent, lamp cap	Portable, silent	Portable, silent

Rated frequency			IG2000p	
	Hz	50 60	50 60	
Prime power	kVA	1.6	1.6	
Standby power	KVA	2	2(3.6KVA in parallel)	
Rated voltage	V	230 120/240	230 120/240	
Rated current	А	7 13.3/6.7	7 13.3/6.7	
Rated rotation speed	r/min	4500	4500	
DC output		12V-5.0A	12V-5.0A	
Generator type		KD20	KD20	
Power factor	COSΦ	1	1	
Phase number		Single phase	Single phase	
Engine				
Engine type		KG158	KG158	
Structure type		Single cylinder, in-lined, 4-stroke, air cooled,overhead camshaft	Single cylinder, in-lined, 4-stroke, air cooled,overhead camshaft	
Bore×stroke	mm	58×40	58×40	
Displacement	L	0.1056	0.1056	
Compression ratio		8.5 1	8.5 1	
Rated power	KW/(r/min)	2.2/4500	2.2/4500	
lube oil brand		Above SF SAE 10W-30、15W-40	Above SF SAE 10W-30、15W-40	
Lube capacity	L	0.4	0.4	
Spark plug		T.C.I	T.C.I	
Lgnition system		UR5	UR5	
Starter system		Recoil starter	Recoil starter	
Battery capacity		-	ž	
Fuel type		Vehicle lead-free petrol	Vehicle lead-free petrol	
Lowest fuel consumption(g/KW.h)	g/KW.h	420	420	
Genset				
Fuel consumptiom	g/KW.h	550	550	
Fuel tank capacity	L	3.7	3.7	
Continuous running time(hr)(rated output)	h	3	3	
Noise(unload-full load)	dB(A)/1m	61 73	61-73	
Overall dimension	mm	670×300×430	515×300×430	
Overall dillicition		330×215×140(lamp cap)	-	
Net weight	kg	24.5	22	
Structure type		Portable, silent, with light	Portable, silent	

IG2600	IG2600h	IG2600p
50 60	50 60	50 60
2.3	2.3	2.3
2.6	2.6	2.6(4.68KVA in parallel)
230 120/240	230 120/240	230 120/240
10 19.2/9.6	10 19.2/9.6	10 19.2/9.6
3600	3600	3600
12V-5.0A	12V-5.0A	12V-5.0A
KD30	KD30	KD30
1	1	1
Single phase	Single phase	Single phase
KG166	KG166	KG166
Single cylinder, in-lined, 4-stroke, air cooled,overhead camshaft	Single cylinder, in-lined, 4-stroke, air cooled,overhead camshaft	Single cylinder, in-lined, 4-stroke, air cooled,overhead camshaft
66×50	66×50	66×50
0.171	0.171	0.171
8.5 1	8.5 1	8.5 1
3.3/3600	3.3/3600	3.3/3600
Above SF SAE 10W-30、15W-40	Above SF SAE 10W-30、15W-40	Above SF SAE 10W-30、15W-40
0.55	0.55	0.55
T.C.I	T.C.I	T.C.I
WR7DC	WR7DC	WR7DC
Recoil starter	Recoil starter	Recoil starter
+		-
Vehicle lead-free petrol	Vehicle lead-free petrol	Vehicle lead-free petrol
395	395	395
500	500	500
5	5	5
3	3	3
58-65	58-65	58-65
565×320×465	640×330×465	640×330×465
<u>-</u>	-	-
29.5	31	29.5
Portable, silent	Portable, silent, with stretch hand lever	Portable, silent, with stretch hand lever

Generating set		IG3	000	IG3	000p	IG3	3000E	
Rated frequency	Hz	50	60	50	60	50	60	
Prime power	kVA	2	2.8		2.8		2.8	
Standby power	KVA		3	3(5.4KV	'A in parallel)		3	
Rated voltage	V	230	120/240	230	120/240	230	120/240	
Rated current	А	12.2	23.3/11.7	12.2	23.3/11.7	12.2	23.3/11.7	
Rated rotation speed	r/min	3	600	36	600	3	600	
DC output		12\	/-5.0A	12V	-5.0A	12V	/-5.0A	
Generator type		К	D35	KI	035	К	D35	
Power factor	COSΦ		1		1		1	
Phase number		Singl	e phase	Single	phase	Single	e phase	
Engine								
Engine type		KG2	05GETi	KG20	5GETi	KG20	05GEXi	
Structure type		4 stroke	-cylinder, ,air cooled, l,overhead value	Single-cylinder, 4 stroke air cooled, cylinder inclined,overhead value		Single-cylinder, 4 stroke,air cooled, cylinder inclined,overhead value		
Bore×stroke	mm	68×54		68	68×54		68×54	
Displacement	L	0.196		0.	0.196		0.196	
Compression ratio		8.5 1		8.8	8.5 1		8.5 1	
Rated power	KW/(r/min)	4/3600		4/3	4/3600		3600	
Lube oil brand		Above SF SAE	10W-30、15W-40	Above SF SAE	10W-30、15W-40	Above SF SAE	10W-30、15W-40	
Lube capacity	L	0.6		C	0.6		0.6	
Lgnition system		Т	.c.i	T.	C.I	Т	.C.I	
Spark plug		W	R7DC	WR	7DC	WF	R7DC	
Starter system		Recoil starter	r,electric system	Recoil starterr	electric system,	Recoil starter	electric system	
Battery capacity		12V	8Ah	12V	8Ah	12V	8Ah	
Fuel type		Vehicle le	ad-free petrol	Vehicle lea	d-free petrol	Vehicle lea	ad-free petrol	
Lowest fuel consumption	(g/KW.h) g/KW.h	;	395	3	95	3	395	
Genset								
Fuel consumptiom	g/KW.h		500	5	500		500	
Fuel tank capacity	L		13		13	9	9.4	
Continuous running time (rated output)	(hr) h		6.7	6	6.7		5	
Noise(unload-full load)	dB(A)/1m	63	73	63	63-73		8-78	
O Hallow and lane	mm	685×4	430×495	685×4	30×495	495×4	410×430	
Overall dimension			-		-		-	
Net weight	kg		57	Ę	57		40	
Structure type		S	ilent	Si	lent	Open	-framed	

IG4000	IG6000	IG6000h
50 60	50 60	50 60
4	5.5	5.5
4.3	6	6
230 120/240	230 120/240	230 120/240
17.4 33.3/16.7	23.9 45.8/22.9	23.9 45.8/22.9
3600	3600	3600
12V-5.0A	12V-5.0A	12V-5.0A
KD40	KD70	KD70
1	1	1
Single phase	Single phase	Single phase
KG280GETi	KG390GETi	KG390GETi
Single-cylinder, 4 stroke,air cooled, cylinder inclined,overhead value	Single-cylinder, 4 stroke,air cooled, cylinder inclined,overhead value	Single-cylinder, 4 stroke,air cooled, cylinder inclined,overhead value
78×58	88×64	88×64
0.277	0.389	0.389
8.5 1	8.5 1	8.5 1
5.5/3600	7.7/3600	7.7/3600
Above SF SAE 10W-30、15W-40	Above SF SAE 10W-30、15W-40	Above SF SAE 10W-30、15W-40
1.1	1.1	1.1
T.C.I	T.C.I	T.C.I
WR7DC	WR7DC	WR7DC
Recoil starter, electric system	Electric system	Electric system
12V-11Ah	12V 11Ah	12V 11Ah
Vehicle lead-free petrol	Vehicle lead-free petrol	Vehicle lead-free petrol
374	374	374
500	500	500
13	22	22
5	6	6
65-73	65-75	65-75
805×470×570	802×495×655	1235×660×770
-	-	
75	96.5	98.3

Silent

Silent

Silent, with retractable handles

# PORTABLE DIGITAL GENERATOR

## **DIESEL DIGITAL GENERATOR**

Ready for big time power?

KIPOR ID series generators can handle those power draining startups demanded by some appliances and tools. KIPOR ID series generators feature low noise, are lightweight, and easy to use. They are an ideal outdoor power source whenever you need it. Its inverter produces a pure sine wave output which is perfect for any precision equipment.

Popular uses:

Run an air conditioner, refrigerator, microwave oven or portable heater. On the job site, run a router, drill, sander, or air compressor.

1

Energy-saving 25%

KIPOR applies an "Intelligent Energy Saving Mode" which will adjust engine speed according to the load requirement. It will reduce fuel consumption by up to 25%. Large current, compact size and light weight



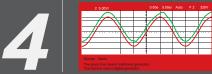
Low noise design

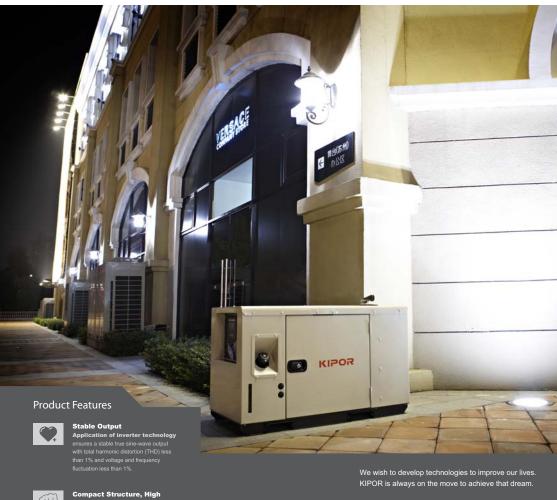
Low noise design is optimized for effciency resulting in a clean digital generator.

Pure sine wave output

High quality pure sine wave electrical output Ideal for sensitive loads like computers, HD TV sets and microprocessor controlled appliances.

2





**ID** diesel models

Rated frequency (Hz)

Rated output (kVA)

Max. output (kVA)

Net weight (kg) Overall dimension (LxWxH) (mm)

Noise level (7m)dB(A)

New

ID6000

62-69

875×530×750

New

50/60

5.5

65-72

934×564×750

resulting in a small size, light weight, quiet and high engine efficiency.



Engine running speed varies with the ared with Kipor conventional ators, Kipor diesel inverters reduce fuel consumption by up to 40%. Users benefit by a much lower cost of operation





#### **Complete Protection**

Low oil pressure, high coolant temperature, over and under voltage, short



- Silent design 57-70db(a)/7m
- Advanced inverter technology provides reliable power for computers and other sensitive equipment
- Stylish and patented appearance design
- ▶ Powered by a fuel efficient and long lasting diesel engine lowering the cost of operation

The KIPOR diesel inverter generator brings the latest technology to portable generators- the perfect match between the engine and a high efficiency multi-pole alternator and microprocessor controlled inverter system.

A permanent magnet alternator eliminates excitation windings, carbon brushes and rotor slip rings. The construction is much simpler with the stator bolted directly to the engine. The alternator is smaller in size but can achieve an alternator efficiency or 93%.

High in reliability, free of radio interference, and capable of operating in high humidity and dusty environments, a KIPOR diesel inverter generator is your











	ID10	ID15	
Rated frequency (Hz)	50/60	50/60	
Rated output (kVA)	9.5	14.5	
Max. output (kVA)	10.5	16	
Noise level (7m)dB(A)	66	68	
Net weight (kg)	285	500	













ID20

Generating set		ID6000	ID7000
Rated frequency	Hz	50 60	50 60
Prime power	kVA	5	5.5
Standby power	KVA	5.5	6
Rated voltage	V	115/230 120/240	115/230 120/240
Rated current	А	43.5/21.7 41.7/20.8	47.8/23.9 45.8/22.9
Rated rotation speed	r/min	1700-3300	1700-3300
Generator			
Generator type		KD70	KD70
Motor type/frequency type		Outer rotor multipole perman	nent magnet mortor/IGBT digital frequency switch
Circuit mode		Sigle phase, 3 circuit	Sigle phase, 3 circuit
Power factor	COSΦ	1	1
Insulation grade		F	F
Engine			
Engine type		KD186FGETi	KD188FGETi
Structure type		Single-cylinder,4 stroke, air cooled,direct-injected	Single-cylinder,4 stroke, air cooled,direct-injected
Bore×stroke	mm	86×75	88×86
Displacement	L	0.436	0.523
Compression ratio		19.6 : 1	19:1
Rated power	KW/(r/min)	6.3/3600	7.0/3300
Lubrication system		Pressure splashed	Pressure splashed
Lube oil brand		Above CD SAE 10W-30、15W-40	Above CD SAE 10W-30、15W-40
Lube capacity		1.65	1.65
Starter system		Electric system	Electric system
Battery capacity		12V 36Ah	12V 36Ah
Fuel consumptiom	g/KW.h	281.5	279
Fuel type		Engine fuel consumption: 0	# (summer) -10 # (winter) -35 # (cold)
Genset			
Fuel tank capacity	L	14.5	14.5
Continuous running time(hr)(rated output)	h	6	5.5
Noise level(7m)	dB(A)	62-69	65-72
Overall dimension	mm	875×530×750	934×564×750
Net weight	kg	168	189
Structure type		Silent	Silent

Generating set			ID10			IID15	ID2	0	
Rated frequency	,	Hz	50	60	50	60	50	60	
Prime power		kVA	9.5		*	14.5	1	9.5	
Standby power		KVA	10.5	i		16		21	
Rated voltage		V	115/230	120/240	115/230	120/240	115/230	120/240	
Rated current		Α	82.6/41.3	79.2/39.6	126/63	121/60.4	169.6/84.8	162.5/81.3	
Rated rotation s	peed	r/min	1700-3	3000	1500-	2400	1500-	2400	
Generator type			KD1	00	KD1	150	KD2	00	
Motor type/frequ	ency type				M	lultipole Rb-Fe-B perm	nanent magnet /IGBT dig	ital frequency	
Circuit mode			Sigle phase	, 3 circuit	Sigle phase	e, 3 circuit	Sigle phase	e, 3 circuit	
Power factor		COSΦ	1		1		1		
Insulation grade			Н		H	ı	Н		
Engine									
Engine type			KD373	BGTi	KKD38	38GTi	KD48	BGTi	
Structure type		3-cylinder, 3-cylinder, in-lined, water-cooled, in-lined, water-cooled, 4-stroke, turbocharged 4-stroke, direct-injected		in-lined, wa	4-cylinder, in-lined, water-cooled, 4-stroke,direct-injected				
Bore×stroke		mm	3-73	×78	3-88×90		4-88	4-88×90	
Displacement		L	0.97	79	1.642		2.1	9	
Compression ra	tio		22.5 : 1		18.2	18.2 : 1		: 1	
Rated power		KW/(r/min)	13.3/3	000	19.6/2400		26.2/2	2400	
Water-cooled	Generator	L	0.92	25	1.8	37	2.2	9	
water capacity	Radiator tank	L	3.1	l	3.2	25	3.	7	
Lubrication system	em		Pressure s	splashed	Pressure	splashed	Pressure	splashed	
Lube oil brand			Above CD SAE 10	)W-30、15W-40	Above CD SAE 1	0W-30、15W-40	Above CD SAE 1	0W-30、15W-40	
Lube capacity		L	4.5	5	6.	9	8.	5	
Starter system			12V Electri	c system	12V Electr	ic system	12V Electr	ic system	
Starting motor c	apacity	V-KW	12V 1	.5KW	12V 1	I.4KW	12V 1	.4KW	
Charging general	ator capacity	V-A	14V 2	20A	14V	14V 20A		20A	
Battery capacity		V-Ah	12V-4	15Ah	12V-	65Ah	12V-	65Ah	
Fuel type					Engine fuel co	onsumption: 0 # (sum	nmer) -10 # (winter) -3	5 # (cold)	
Genset									
Nosie level(7m)		dB(A)	66		68	3	68	3	
Structure type			Sile	nt	Sile	ent	Sile	nt	
Overall dimension	on	mm	1250×65	0×800	1500×78	0×1000	1600×78	0×1050	
Net weight		kg	28	5	50	0	63	5	

# PORTABLE GENERAL GENER

Kipor always develops products from the customer 's point of view. To facilitate operation, Kipor equips its generator with a user-friendly control panel as well as provisions for a Kipor automatic transfer switch. The new series of generator sets feature the following benefits:

The new generation digital control panel has been designed. The panel can be applied to dual voltage, single phase and three phase generator sets.

When utility power fails, a Kipor automatic transfer switch senses the loss of power and immediately starts the generator. Once utility power is restored, the transfer switch shifts your electric load back to utility power and shuts down the generator.

The automatic transfer switch exercises the generator weekly to ensure it is always in working order.

The automatic transfer switch can be mounted inside the generator or attached as an optional accessory.

Most generators in this series are equipped with brushless alternators which establish stable voltage a minimum amount of time. The generator set maintains smooth and quality output.

Stylish and user friendly industry design.

1 F

## **Features**

#### CE certification

#### Strong power

All generator sets are equipped with KIPOR four stroke diesel engines.

#### Low running noise

High efficiency combustion system ensures complete combustion. A large silencer dampens exhaust noise and engine sounds are contained by a double wall structure and liner absorber.

#### **Digital Control Panel**

All control functions of the generator are on a central panel. A digital display indicates the real time performance data of the generator such as voltage, frequency, oil pressure, and battery condition. The panel also displays any fault that shuts down the genset.

2

## **Benefits**

#### Low oil alarm system

Before the oil level drops to a dangerous level, the generator will stop automatically. It can only be restarted after the proper oil level is restored.

#### Application of new AVR

The automatic voltage regulator (AVR) not only can smooth the output but also provide protection against overloads, avoiding expensive damage.

#### Advanced alternator winding

Waveform distortion is kept at a minimum level with a stable output. The winding design protects the generator from short circuits and provides a stable output while running inductive loads.

3

## ATS (Automatic Transfer Switch)

The new series of Kipor general purpose generator sets equipped with digital control panels can be equipped with an ATS. The ATS can automatically check and monitor genset running performance to ensure it is in good working condition. The ATS will also monitor utility power. In the event of a power failure or if utility power voltage and frequency is abnormal, the ATS will command the generator set to start automatically.

Once utility power is restored, the ATS shift the load back to utility power and shuts down the generator.



We wish to develop technologies to prove achieve that dream klpor is always on the move

## **KDE** diesel models









	KDE2200X	KDE2200E	KDE3500X	KDE3500E
Rated frequency (Hz)	50/60	50/60	50/60	50/60
Rated output (kVA)	1.7/20	1.7/2.0	2.8/3.3	2.8/3.3
Max. output (kVA)	2.0/2.2	2.0/2.0	3.2/3.8	3.2/3.8
Dimensions(mm)	640x480x530	640x480x530	655x480x530	655x480x530
Noise level(7m) dB(A)	77	77	77	77
Net weight (kg)	53	60	65	70

# GENERAL

- ▶ Versatile Power
- ▶ Continuous operation without refueling
- ► Convenient portability
- ► Stable, clean power
- ▶ Safe Shutdown
- ▶ Recoil Starter / Electric Starter
- ► Easy Maintenance, Long Lasting

Kipor develops its products from the point of view of the customer. They build in ease of operation and reliability into each generator they produce.

## **Product Features**



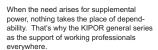


**Delivering the power you need** Powerful, flexible, versatile, reliable, durable; KIPOR Generators have it covered









This diesel powered generator line is designed to accommodate the most common applications All offer great durability,

low vibration, quiet operation and recoil or electric starting.

An open frame configuration means it's easy to handle and store when not in use.



## KDE GENERAL

Big power in an economical conventional diesel generator. Heavy, rugged construction lets you meet your electric needs even in a rough environment. In addition to a standard recoil starter, the KDE E- series also includes a convenient electric starter.





**KDE** diesel models







	KDE6500X	KDE6500E	KDE8000EA	
Rated frequency (Hz)	50/60	50/60	50/60	
Rated output (kVA)	4.5/5.0	4.5/5.0	5.5/6.5	
Max. output (kVA)	5.0/5.5	5.0/5.5	6/7.15	
Dimensions(mm)	720x492x655	720x492x655	920x560x645	
Noise level(7m) dB(A)	77	77	82	
Net weight (kg)	95	100	155	



#### Product Features



#### Quieter and more powerful A

high efficiency combustion system ensurer complete combustion. A large silencer dampens exhaust noise and engine sound are contained in a double-walled structure and absorbed by a special liner. Strong power with an easy start air cooled engine



#### Delivering the power you need Powerful, flexible, versatile, reliable, durable: KIPOR Generators have it covered



#### CE certificatio



#### Control nane

All operating functions of the generator sets are on the panel. A digital readout displays operating parameters in real time such as output voltage and amperage. Circuit breakers protect the generator from overloads.



#### Easily portable

pen frame configuration means it's to handle and store when not in use.



#### lide application

/arious models are available to meet al

Versatile Power

Continuous operation without refueling

Convenient portability

Stable, clean power

Safe Shutdown

Recoil Starter / Electric Starter

Easy Maintenance, Long Lasting



When the need arises for supplemental power, nothing takes the place of dependability. That's why the KIPOR general series as the support of working professionals everywhere.

This diesel powered generator line is designed to accommodate the most

common applications. All offer great durability, low vibration, quiet operation and recoil or electric starting

An open frame configuration means it's easy to handle and store when not in use.





#### KDE12EA

#### KDE12000EA

Rated frequency (Hz)	50/60	50/60
Rated output (kVA)	8.5/9	8.5/9.5
Max. output (kVA)	9.5/10	9.5/10.5
Dimensions(mm)	1030x600x650	930x620x695
Noise level(7m) dB(A)	85	82
Net weight (kg)	200	185





- ▶ Versatile Power
- ► Continuous operation without refueling
- ► Convenient portability
- Stable, clean power
- Safe Shutdown
- ► Recoil Starter / Electric Starter
- ► Easy Maintenance, Long Lasting

When the need arises for supplemental power, nothing takes the place of dependability. That's why the KIPOR KDE series has the support of working professionals everywhere. This diesel powered

generator line is produced in three versions to accommodate the most common applications. All offer great durability, low vibration levels, quiet operation, and recoil or convenient electric starting.



**KDE** diesel models







	KDE6500E3	KDE6500X3	KDE8000EA3
Rated frequency (Hz)	50/60	50/60	50/60
Rated output (kVA)	5.5/6.3	5.5/6.3	6.5/7.5
Max. output (kVA)	6/7	6/7	7.2/8.25
Dimensions(mm)	720x492x655	720x492x655	920x560x645
Noise level(7m) dB(A)	79	79	82
Not weight (kg)	100	05	155





	KDE12EA3	KDE12000EA3
Rated frequency (Hz)	50/60	50/60
Rated output (kVA)	10/11.5	10/11.5
Max. output (kVA)	9.11/12.65	11/12.65
Dimensions(mm)	1030x600x650	930x620x695
Noise level(7m) dB(A)	72	82
Net weight (kg)	310	185













	KDE16EA	KDE19EA	KDE16EA3	KDE19EA3
Rated frequency (Hz)	50/60	50/60	50/60	50/60
Rated output (kVA)	12/14	14.4/17	13.5/15.5	16.25/19
Max. output (kVA)	13/15	16.7/18.7	15/17	18.75/21
Dimensions(mm)	1210x650x765	1210x650x765	1210x650x765	1210x650x765
Noise level(7m) dB(A)	90	90	90	90
Net weight (kg)	300	320	300	320



- ► Versatile Power
- ▶ Continuous operation without refueling
- Convenient portability
- ► Stable, clean power
- ▶ Safe Shutdown
- ► Recoil Starter / Electric Starter
- ► Easy Maintenance, Long Lasting

You need power to be clean, reliable, and efficient. You need plenty of capacity, advanced technology and exacting control.

You need the KIPOR general KDE series.

#### **Product Features**



#### iieter and more powerful

A high efficiency combustion system ensures complete combustion. A large silencer dampens exhaust noise and engine sounds are contained in a double-walled structure and absorbed by a special liner. Strong power with an easy start air cooled engine.



Delivering the power you need Powerful, flexible, versatile, reliable, durable; KIPOR Generators have it covered



**CE** certification



#### Control pane

All operating functions of the generator sets are on the panel. A digital readout displays operating parameters in real time such as output voltage and amperage. Circuit breakers protect the generator from overloads.



#### **Easily portable**

An open frame configuration means it's easy to handle and store when not in use



#### Wide application

Various models are available to meet a



Easy to maneuver with a wheel kit further improving transportability

Copper wound alternator for durability and voltage stability.

12V DC output charges batteries and allows use of low voltage lighting.

Grounding point on all units.

Automatic shutdown if the oil supply falls below a safe minimum level. A "NO START" feature will not allow a restart until the oil is replenished.

Multiple receptacles and voltage configurations are available to fit all market require-

Circuit breakers protect against overload of the unit.



Kipor's general series generators are essential equipment for reliable power from the harshest building sites to emergency situations around the world.

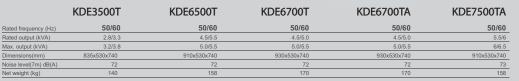
#### **KDE** diesel models













- ▶ Versatile Power
- ► Continuous operation without refueling
- Convenient portability
- Stable, clean power
- Safe Shutdown
- Recoil Starter / Electric Starter
- ► Easy Maintenance, Long Lasting

Sure, the KIPOR KDE series will power heavy duty equipment but do you need lower noise as well? KDE-T models come with an enclosure to keep the noise down. A convenient electric starter gets the KDE series generators up and running quickly.

#### **Product Features**



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CE certificatio



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Various models are available to meet all customer requirements.



Easy to carry with wheel kit further improving transportability.

Copper wound alternator for durability and voltage stability.

12V output allows battery charging and use of low voltage lighting.

Earthing point on all units.

Auto shutdown if oil level falls below minimum, "NO START" feature will not allow use if level is below minimum.

Multiple socket types to suit market and application requirements.

Circuit breaker protects against overload of the unit.



Kipor's general generators are essential equipment for reliable power, from the toughest building sites to emergency situation around the world.

#### **KDE** diesel models





	KDE7000STA	KDE7500STA
Rated frequency (Hz)	50/60	50/60
Rated output (kVA)	4.5/5	5.2/5.6
Max. output (kVA)	5/5.5	5.7/6.2
Dimensions(mm)	870x645x710	870x645x710
Noise level(7m) dB(A)	65	65
Net weight (kg)	170	195



- ► Compact, Powerful and Long-Lasting
- Convenient Use and Maintenance
- ► All the Safety of KIPOR Products
- Silent/super silent, low noise

With the purpose of expanding the generator group, KIPOR has brought out a new series of general generator sets on the basis of previous technical achievements. Compared with traditional models, diesel general gensets have been greatly improved by technical breakthrough and innovation, which are featured by impressive noise reduction, easy transportation, higher power, easy maintenance, and so on.







#### **Product Features**



#### Stronger

KIPOR's newly-developed single engine can be introduced with excellent low speed torque to the structure of gensets, not adding the overall dimension of the gensets; the application of KT5 and KT6 alternators enhances the generating efficiency.



#### Remarkable Noise Reduction

Trains to persistent research and development of KIPOR's technical departments gensets' noise level at no load is decreased to only 65dB(A)/m, which has already been impressive progress for noise reduction.



#### More Convenient Maintenance

AVR, air filter and fuel filter are all designed with individual access panels, so that component replacement can be done without dismounting the genset cabinet



#### Digital controll

KP310V1.0 digital controller can make RS232 serial communication with the master machine, realizing starting and stopping gensets and displaying real-time running data through the master machine. Great optimization has been made in both engines and alternators of diesel general gensets, resulting in a large-scale power increase of the gensets.

KIPOR eliminates the application of general fixed castors, but utilizes universal ones in the new diesel gensets which are possible to revolve all around 360 degrees, which smooths the movement of the new gensets.





Kipor's general series generators are essential equipment for reliable power from the harshest building sites to emergency situations around the world.

## **KDE** diesel models





	KDE12STA	KDE12000T	
Rated frequency (Hz)	50/60	50/60	
Rated output (kVA)	8.5/9.5	8.5/9.5	
Max. output (kVA)	9.5/10.5	9.5/10.5	
Dimensions(mm)	1350x650x760	1125x625x830	
Noise level(7m) dB(A)	72	72	
Net weight (kg)	310	250	



- ► Compact, Powerful and Long-Lasting
- ► Convenient Use and Maintenance
- ► All the Safety of KIPOR Products
- ► Silent/super silent, low noise

KIPOR generators giving superior performance and maximum reliability. It gives great performance in a compact package.

## **Product Features**



Cleaner, safer and quieter

relevant standards for noise and emission regulations



Robust and durable

Compact, robust and resilient structures ensure long unit life and quiet operation. Thicker paint treatments resist the wear and tear caused by extreme environmental conditions



Designed to be easily transported

A compact design makes it easy to fit into tight confines and still provide optimum performance



Easy to use

The control panel is simple and easy to operate

Built in monitoring of the unit's performance provides a high level of information on the generator's status



Designed for simple service

Large service doors provide easy access to preventive maintenance and service checks



Extreme weather, construction, and many other unforeseen complications can interrupt the electrical service upon which you and your family depend to continue your daily

With a Kipor standby power system, life goes on even when the power goes out. When electricity is lost-day or night-you can be assured that you home will have all the comfort and convenience you are used to.





- ► Compact, Powerful and Long-Lasting
- ► Convenient Use and Maintenance
- ▶ All the Safety of KIPOR Products
- ► Silent/super silent, low noise

Sure, the Kipor KDE series will power heavy duty equipment but do you need lower noise as well? KDE-T models come with an enclosure to keep the noise down. A convenient electric starter gets the KDE series generators up and running quickly.



#### Easy to maneuver with a wheel kit further improving transportability

Copper wound alternator for durability and voltage stability.

12V DC output allows battery charging and the use of low voltage lighting.

Grounding point on all units.

**KDE** diesel models

Automatic shutdown if the oil supply falls below a safe minimum level. A "NO START" feature will not allow a restart until the oil is replenished.

Multiple receptacles and voltage configurations are available to fit all market requirements.

Circuit breakers protect against overload of the unit.

### **Product Features**





Delivering the power you need













	KDE6500T3	KDE6700T3	KDE6700TA3	KDE7500TA3
Rated frequency (Hz)	50/60	50/60	50/60	50/60
Rated output (kVA)	5.5/6.3	5.5/6.3	5.5/6.3	6.9/7.5
Max. output (kVA)	6/7	6/7	6/7	7.5/8.1
Dimensions(mm)	912x532x740	930x535x742	930x535x742	910x530x740
Noise level(7m) dB(A)	72	72	72	73
Net weight (kg)	165	177	177	158



	KDE12STA3	KDE12000T3	
Rated frequency (Hz)	50/60	50/60	
Rated output (kVA)	10/11.5	10/11.5	
Max. output (kVA)	9.11/12.65	11/12.65	
Dimensions(mm)	1350x650x760	1125x625x830	
Noise level(7m) dB(A)	72	72	
Net weight (kg)	310	250	



Kipor's general generator series is essential equipment for reliable power from the toughest construction sites to emergency power situations around the world.

#### **KDE** diesel models





	KDE16STA	KDE19STA
Rated frequency (Hz)	50/60	50/60
Rated output (kVA)	12/14	14.4/17
Max. output (kVA)	13/15	16.7/18.7
Dimensions(mm)	1550x720x810	1550x720x810
Noise level(7m) dB(A)	72	72
Net weight (kg)	420	442



- ► Compact, Powerful and Long-Lasting
- ► Convenient Use and Maintenance
- ► All the Safety of KIPOR Products
- ► Silent/super silent, low noise

Your home and business needs power. Kipor generator sets are of professional quality and are designed for residential and office use. KIPOR

generator sets are compact, sound insulated and reliable to provide clean and quiet backup power in case of a power outage. Your life continues as normal with complete peace of mind.

## **Product Features**



Cleaner, safer and quieter

relevant standards for noise and emission regulations



Robust and durable

Compact, robust and resilient structures ensure long unit life and quiet operation. Thicker paint treatments resist the wear and tear caused by extreme environmental conditions



Designed to be easily transported

A compact design makes it easy to fit into tight confines and still provide optimum performance



Easy to use

The control panel is simple and easy to

Built in monitoring of the unit's performance provides a high level of information on the generator's status



Designed for simple service ability

Large service doors provide easy access to preventive maintenance and service checks



Extreme weather, construction, and other unforeseen complications can interrupt the electrical service upon which you and your family depend on for daily activities.

With a Kipor standby power system, life goes on when the power goes out. When electricity is lost, you can be assured that your home will have all the comfort and convenience to which you are accustomed.



Kipor's general generators are essential equipment for reliable power, from the toughest building sites to emergency situation around the world.

## **KDE** diesel models







	KDE16STA3	KDE19STA3	KDE40ST3
Rated frequency (Hz)	50/60	50/60	50
Rated output (kVA)	13.5/15.5	16.25/19	38
Max. output (kVA)	15/17	18.75/21	40
Dimensions(mm)	1550x720x810	1550x720x810	1900x950x1200
Noise level(7m) dB(A)	72	72	65
Net weight (kg)	420	442	985

## KDE GENERAL

- ► Compact, Powerful and Long-Lasting
- ► Convenient Use and Maintenance
- ► All the Safety of KIPOR Products
- ▶ Silent/super silent, low noise

## KIPOR not only makes reliable generator but we also understand how power affects your life. We know how unsettling it is to be without power. We

understand how having the right power at the right time makes your home and attitude so much brighter. That's why we design and develop unique differences into our backup power systems that you'll appreciate when you need them the most.

#### **Product Features**



Cleaner, safer and quieter

relevant standards for noise and emission regulations



Robust and durable

Compact, robust and resilient structures ensure long unit life and quiet operation. Thicker paint treatments resist the wear and tear caused by extreme environmental conditions



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With a Kipor standby power system, life goes on when the power goes out. When electricity is lost, you can be assured that your home will have all the comfort and convenience to which you are accustomed.





- ▶ Versatile Power
- ▶ Long Running Times
- ► Easy to move around
- ▶ Among the quietest in class
- ► Safety Shutdowns
- ▶ Recoil and Electric Starters
- ► Easy Maintenance, Long Lasting

KIPOR KGE Series generators are some of the finest everyday working machines in the world. If you need a high value, rugged workhorse generator on the job, on the farm, or around the home site, Kipor has a KGE Series model perfect for your application.





## KGE gasoline models





	KGE2500X	KGE4000X	
Rated frequency (Hz)	50/60	50/60	
Rated output (kVA)	2/2.2	3.0/3.5	
Max. output (kVA)	2.2/2.4	3.3/4.0	
Dimensions(mm)	590x430x430	675x520x540	
Noise level(7m) dB(A)	66	69	
Net weight (kg)	46	71	



#### Control pane

The generator is operated efficiently from a control panel designed with the user in mind. Circuit breakers protect the generator from overloads.

**Delivering the power you** 

reliable, durable; KIPOR Generators have it covered on every level.



#### An onen frame confid

An open frame configuration means it's easy to handle and store when not in use.



#### Wide application

Available in a wide range of output meet your specific requirements





	KGE6500X	KGE6500E	KGE12E	KGE12EA
Rated frequency (Hz)	50/60	50/60	50/60	50/60
Rated output (kVA)	5.0/5.5	5.0/5.5	8.5/9.5	8.5/9.5
Max. output (kVA)	5.5/6.5	5.5/6.5	9.5/10.5	9.5/10.5
Dimensions(mm)	675x520x540	675x520x540	910x600x620	910x600x620
Noise level(7m) dB(A)	74	74	77	77
Net weight (kg)	83	90	161	168



Kipor's general generators are essential equipment for reliable power from the toughest construction sites to emergency situations around the world.

## KGE gasoline models









	KGE6500X3	KGE6500E3	KGE12E3	KGE12EA3
Rated frequency (Hz)	50/60	50/60	50/60	50/60
Rated output (kVA)	5.0/5.5	5.5/5.5	9.5/10.5	9.5/10.5
Max. output (kVA)	5.5/6.5	5.5/6.5	10.5/11.5	10.5/11.5
Dimensions(mm)	675x520x540	675x520x540	910x600x620	910x600x620
Noise level(7m) dB(A)	74	74	77	77
Net weight (kg)	83	90	161	168



- ▶ Versatile Power
- ▶ Long Running Times
- ► Easy to move around
- ▶ Among the quietest in class
- ▶ Safety Shutdowns
- ▶ Recoil and Electric Starters
- ► Easy Maintenance, Long Lasting

You need power to be clean, reliable and efficient. You need plenty of capacity, useful technology and exacting control. You need Kipor general KGE series.

#### **Product Features**



## Quieter and moi

A high efficiency combustion system ensures complete combustion. A large muffler dampens exhaust noise and engine sounds are contained in a double-walled structure and absorbed by a special liner. Strong power with an easy start air cooled engine.



#### Delivering the power you

need Powerful, flexible, versatile reliable, durable; KIPOR Generator have it covered on every level.



CE certification



#### **Control pane**

The generator is operated efficiently from a control panel designed with the user in mind. Circuit breakers protect the generator from overloads.



#### Easily portable

An open frame configuration means it's easy to handle and store when not in use.



#### Wide application

Available in a wide range of outputs t meet your specific requirements.



Built to be economically used on the job site every day, the Kipor general gasoline series features an automatic voltage regulator (AVR) that delivers non-fluctuating power. It is of convention style construction with a strong durable frame. The electronic ignition makes for reliable starting in all conditions.

A convenient electric starter gets the generator up and running quickly. Loaded with extras, the generator comes with a wrench set, battery, 12V DC charging cable, oil fill bottle, spare spark plug and spark plug wrench.

NA	Generating set			KDE2:	200X	KDE2200E	
NW	Rated frequency		Hz	50	60	50 60	
NAM	Primo powor		kVA	1.7	2	1.7 2	
NEW	Filline power		KW	1.7	2	1.7 2	
NW			kVA	2	2.2	2 2.2	
Rated current   A	Standby power		KW	2	2.2	2 2.2	
### Rated rotation speed	Rated voltage		V	115/230	120/240	115/230 120/240	
### Centrator type	Rated current		А	14.8/7.4	16.7/8.3	14.8/7.4 16.7/8.3	
Pole No.	Rated rotation speed	i	r/min	3000	3600	3000 3600	
Prisse number	Generator						
Para	Generator type			KT-2(160	Omotor)	KT-2(160motor)	
Power factor	Pole No.			2		2	
Power factor	Phase number				Sin	ngle phase	
Final auton grade   Fin	Excitation mode				Self-excitation and	d constant voltage(with AVR)	
Engine   Figure	Power factor		COSΦ	1.0	0	1.0	
Structure type	Insulation grade			В	1	В	
Single cylinder, in-lined, 4-stroke, air cooled, direct-linjected   Single cylinder, in-lined, 4-stroke, air cooled, the college cylinder, in-lined, 4-stroke, air cooled, the college cylinder, in-lined, 4-stroke, air cooled, the college cylinder, air college cylinder, stroke, air college cylinder, air college cylinder, air college cylinder, air cy	Engine						
Structure type   Str	Engine type			KM17	'0FG	KM170FG	
Displacement   L	Structure type		in-lined, 4	-stroke,	in-lined, 4-stroke,		
Compression ratio         20 : 1         20 : 1           Rated power         KW         2.5	Bore×stroke		mm	70×	55	70×55	
Rated power   KW   2.5   2.8   2.5   2.5   2.8   2.5   2.	Displacement		L	0.2	11	0.211	
Pressure splashed           Lube oil brand         Above CD SAE 10W-30 15W-40           Lube capacity         Lube capacity         Lube capacity         V-KW         Mithout         12V Electric system           Starting motor capacity         V-KW         Without         12V 0.8KW           Charging generator capacity         V-A         Without         12V 36A           Battery capacity         V-Ah         Without         12V 36A           Fuel consumption ratio         g/KW.h         280.2         288.3         280.2         288.3           Fuel type         Engline fuel consumption: 0 # (summer) -10 # (winter) -35 # (cold)           Genset           Panel type         Common panel         Common panel           Common panel         Common panel           Councition pole           Output         Connection pole output           Connection pole output         Connection pole output           Output         Connection pole output           Connection pole output         Connection pole output	Compression ratio			20 :	: 1	20 : 1	
Lube oil brand         Above CD SAE 10W-30 15W-40           Lube capacity         L         0.75         0.75           Starter system         Recoil starter         12V Electric system           Starting motor capacity         V-KW         Without         12V 0.8KW           Charging generator capacity         V-A         Without         12V 36A           Battery capacity         V-Ah         Without         12V 36A           Fuel type         g/KW.h         280.2         288.3         280.2         288.3           Fuel type         Engline fuel consumption: 0 ± (summer) -10 ± (winter) -35 ± (cold)         Cold)           Genesat           Panel type         Common panel         Common panel           Common panel         Common panel           Common panel           Common panel           Connection pole           Without         Without         Without           Connection pole output           Conection pole output           Conection pole output           Conection pole output           Conection pole output	Rated power		KW	2.5	2.8	2.5 2.8	
Lube capacity         L         0.75         0.75           Starter system         Recoil starter         12V Electric system           Starting motor capacity         V-KW         Without         12V 0.8KW           Charging generator capacity         V-A         Without         12V 36A           Battery capacity         V-Ah         Without         12V 36A           Fuel consumption ratio         g/KW.h         280.2         288.3         280.2         288.3           Fuel type         Engline fuel consumption: 0 ‡ (summer) -10 ‡ (winter) -35 ‡ (cold)         Genset         Common panel         Common pane	Lubrication system				Pressu	ure splashed	
Recoil starter   12V Electric system   Starting motor capacity   V-KW   Without   12V 0.8KW	Lube oil brand				Above CD SA	AE 10W-30 15W-40	
Starting motor capacity	Lube capacity		L	0.7	75	0.75	
Charging generator capacity         V-A         Without         12V 3A           Battery capacity         V-Ah         Without         12V 36Ah           Fuel consumption ratio         g/KW.h         280.2 288.3         280.2 288.3           Fuel type         Engine fuel consumption: 0 ‡ (summer) -10 ‡ (winter) -35 ‡ (cold)           Genset           Panel type         Common panel         Common panel           Connection panel         Common panel           Connection pole         Without         Without           Without         Without           Connection pole output         Connection pole output           Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530	Starter system			Recoil s	starter	12V Electric system	
Battery capacity         V-Ah         Without         12V 36Ah           Fuel consumption ratio         g/KW.h         280.2         288.3         280.2         288.3           Fuel type         Engine fuel consumption: 0 ‡ (summer) -10 ‡ (winter) -35 ‡ (cold)         Genset           Panel type         Common panel         Common panel         Common panel           Receptacle         2-Single phase         2-Single phase           Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530	Starting motor capac	city	V-KW	With	out	12V 0.8KW	
Fuel consumption ratio g/KW.h 280.2 288.3 280.2 288.3  Fuel type	Charging generator	capacity	V-A	With	out	12V 3A	
Engine fuel consumption: 0 ≠ (summer) -10 ≠ (winter) -35 ≠ (cold)           Genset           Common panel         Common panel           Panel type         Common panel         Common panel         Common panel           Output         Receptacle         2-Single phase         2-Single phase         2-Single phase           Connection pole         Without         Without         Connection pole output           Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5         13.5         13.5         640×480×530         640×480×530         640×480×530         640×480×530	Battery capacity		V-Ah	With	out	12V 36Ah	
Genset           Panel type         Common panel         Common panel           Output         Receptacle         2-Single phase         2-Single phase           Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530	Fuel consumption ra	tio	g/KW.h	280.2	288.3	280.2 288.3	
Panel type         Common panel         Common panel           Output         Receptacle         2-Single phase         2-Single phase           Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530	Fuel type		Eng	gine fuel consumption: 0 ‡	# (summer) -10 # (winter) -35 # (cold)		
Receptacle         2-Single phase         2-Single phase           Output         Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530	Genset						
Output         Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530	Panel type			Common	n panel	Common panel	
DC12V output         Connection pole output         Connection pole output           Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530		Receptacle		2-Single	phase	2-Single phase	
Nosie level (7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530	Output	Connection pole		With	out	Without	
Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         640×480×530         640×480×530	DC12V output		Connection	pole output	Connection pole output		
Overall dimension mm 640×480×530 640×480×530	Nosie level (7m)		dB(A)	77	7	77	
	Fuel tank capacity		L	13.	.5	13.5	
Net weight kg 53 60	Overall dimension		mm	640×48	0×530	640×480×530	
	Net weight		kg	53	3	60	

Generating set			KDES	3500X	KDE3500	E
Rated frequency		Hz	50	60	50	60
Prime power		kVA	2.8	3.3	2.8	3.3
		KW	2.8	3.3	2.8	3.3
Standby power		kVA	3.2	3.8	3.2	3.8
Standby power		KW	3.2	3.8	3.2	3.8
Rated voltage		V	115/230	120/240	115/230	120/240
Rated current		А	24.3/12.2	27.5/13.8	24.3/12.2	27.5/13.8
Rated rotation speed		r/min	3000	3600	3000	3600
Generator						
Generator type			KT-	3	KT-3	
Pole No.			2		2	
Phase number			Single p	hase	Single phase	_
Excitation mode				Self-excitation and	d constant voltage(with AVR)	
Power factor		COSΦ	1.0		1.0	
Insulation grade			В		В	
Engine						
Engine type			KM178	BFG	KM178FG	
Structure type			single cylir in-lined, 4-si air cooled, direc	troke,	single cylinder, in-lined, 4-stroke air cooled, direct-inje	ected
Bore×stroke		mm	78×6	52	78×62	
Displacement		L	0.29	6	0.296	
Compression ratio			20	1	20 1	
Rated power		KW	3.68	4	3.68 4	
Lubrication system				Pre	essure splashed	
Lube oil brand				Above CD S	SAE 10W-30、15W-40	
Lube capacity		L	1.1		1.1	
Starter system			Recoil s	tarter	12V Electric syste	em
Starting motor capacity		V-KW	Without		12V 0.8KW	
Charging generator capa	acity	V-A	Without		12V 3A	
Battery capacity		V-Ah	Without		12V 36Ah	
Fuel consumption ratio		g/KW.h	276.1 285.6		276.1 285.	6
Fuel type			Engi	ne fuel consumption: 0	) # (summer) -10 # (winter) -35 # (c	cold)
Genset						
Panel type			Common	panel	Common panel	
	Receptacle		2-Single	ohase	2-Single phase	
Output	Connection pole		Witho	out	Without	
	DC12V output		Connection	pole output	Connection pole ou	tput
Nosie level (7m)		dB(A)	77		77	
Fuel tank capacity		L	13.5	5	13.5	
Overall dimension		mm	655×480	)×530	655×480×530	
Net weight		kg	65		70	

Related Sequency         Hz         50         60         50         60           Prime power         NAA         4.5         5         4.5         5           Blambly power         NAA         4.5         5         4.5         5           Blambly power         NAA         5.5         5.5         5.5         5.5         5.5           Raide cristin paged         NA         38.10         30.20         30.00         3	Generating set			KDE6500X	KDE6500E		
Note			Hz	50 60	50 60		
Name			kVA	4.5 5	4.5 5		
No.     15.00	Prime power		KW	4.5 5	4.5 5		
No.			kVA	5 5.5	5 5.5		
Rated current         A         39.1719.6         41.720.8         39.1719.6         41.720.8           Rated rotation speed         r/min         3000         3600         3000         3600           Center tor type         KTS         KTS           Pole No.         2         2           Phase number         Single phase         Single phase           Book of the colspan="2">CO590         1.0	Standby power		KW	5 5.5	5 5.5		
Rated rotation speed   Image	Rated voltage	T.	V	115/230 120/240	115/230 120/240		
Cenerator type         KT5         KT5         KT5         KT5         CP           Poles No.         2         2         2         Promotion of the colspan="2">Single phases         Single phase	Rated current		А	39.1/19.6 41.7/20.8	39.1/19.6 41.7/20.8		
Pole   No.   2   2   2   2   2   2   2   2   2	Rated rotation speed		r/min	3000 3600	3000 3600		
Pole No.   2   2   2   2   2   2   2   2   2	Generator						
Phase number	Generator type			KT5	KT5		
Power factor	Pole No.			2	2		
Power factor	Phase number			Single phase	Single phase		
Final   Fin	Excitation mode			Self-excitation and co	onstant voltage(with AVR)		
Engine type         KM186FAG         M8877         A8877         A8877         KM186FAG         KM	Power factor		COSΦ	1.0	1.0		
Engine type         KM186FAG         KM186FAG           Structure type         Single cylinder, in-lined, 4-stroke, air cooled, direct-lineded         Single cylinder, in-lined, 4-stroke, air cooled, direct-lineded           Bore×stroke         mm         86×72         86×72           Displacement         L         0.418         0.418           Compression ratio         19:1         19:1         19:1           Rated power         KW         5.7         6.3         5.7         6.3           Lubrication system         Fressure splashed         1.65	Insulation grade			В	В		
Structure type   Str	Engine	Engine					
Structure type	Engine type			KM186FAG	KM186FAG		
Displacement   L	Structure type			in-lined, 4-stroke,	in-lined, 4-stroke,		
Compression ratio         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         19 : 1         10 : 1.65         1.27         1.27         1.27         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28         1.28 <th cols<="" td=""><td>Bore×stroke</td><td></td><td>mm</td><td>86×72</td><td colspan="2">86×72</td></th>	<td>Bore×stroke</td> <td></td> <td>mm</td> <td>86×72</td> <td colspan="2">86×72</td>	Bore×stroke		mm	86×72	86×72	
KW         5.7 6.3         5.7 6.3           Lubrication system         Pressure splashed           Lube oil brand         Above CD SAE 10W-30、15W-40           Lube capacity         Lube capacity         Lube capacity         Lube capacity         Lube capacity         V-KW         Without         12V Electric system           Starting motor capacity         V-KW         Without         12V 3A           Charging generator capacity         V-A         Without         12V 3A           Battery capacity         V-A         Without         12V 38Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Common panel         Common panel           Common panel         Common panel         Common panel         Common panel         Common panel         Common panel         Common panel         Comnection pole output         Connection pole output	Displacement		L	0.418	0.418		
Lubrication system         Pressure splashed           Lube oil brand         Above CD SAE 10W-30、15W-40           Lube capacity         L         1.65         1.65           Starter system         Recoil starter         12V Electric system           Starting motor capacity         V-KW         Without         12V 3A           Charging generator capacity         V-A         Without         12V 36Ah           Battery capacity         V-Ah         Without         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 ** (summer) -10 ** (winter) -35 ** (cold)           Genset           Common panel           Common panel           Common panel           Panel type         Common panel         Common panel           Common panel           Common panel           Connection pole         Without         Without         Without           DC12V output         Connection pole output           Conne	Compression ratio			19 : 1	19 1		
Lube oil brand         Above CD SAE 10W-30. 15W-40           Lube capacity         L         1.65         1.65           Starter system         Recoil starter         12V Electric system           Starting motor capacity         V-KW         Without         12V 0.8KW           Charging generator capacity         V-A         Without         12V 36Ah           Battery capacity         V-Ah         Without         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 # (summer) -10 # (winter) -35 # (cold)         Genset           Panel type         Common panel         Common panel           Consection pole         Without         Without         Without           Dutput         Connection pole         Without         Connection pole output           Nosie level(7m)         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Rated power		KW	5.7 6.3	5.7 6.3		
Lube capacity         L         1.65         1.65           Starter system         Recoil starter         12V Electric system           Starting motor capacity         V-KW         Without         12V 0.8KW           Charging generator capacity         V-A         Without         12V 3A           Battery capacity         V-Ah         Without         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 ‡ (summer) -10 ‡ (winter) -35 ‡ (cold)         Genset           Panel type         Common panel         Common panel         Common panel         Common panel           Quiput         Receptacle         2-Single phase         2-Single phase           Connection pole         Without         Without           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Lubrication system			Pre	ssure splashed		
Starter system         Recoil starter         12V Electric system           Starter system         Partition motor capacity         V-KW         Without         12V 3A           Charging generator capacity         V-A         Without         12V 3A           Battery capacity         V-Ah         Without         12V 3A           Fuel consumption ratio         12V 3A           Partition profession pole         Engine fuel consumption: 0 ** (summer) - 10 ** (winter) - 35 ** (cold)           Genset           Partition pole         Common panel         Common panel </td <td>Lube oil brand</td> <td></td> <td></td> <td>Above CD S</td> <td>SAE 10W-30、15W-40</td>	Lube oil brand			Above CD S	SAE 10W-30、15W-40		
Starting motor capacity   V-KW   Without   12V 3A	Lube capacity		L	1.65	1.65		
Charging generator capacity         V-A         Without         12V 3A           Battery capacity         V-Ah         Without         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 ‡ (summer) -10 ‡ (winter) -35 ‡ (cold)           Genset           Panel type         Common panel         Common panel           Qutput         Connection pale phase           Output         Without         Without           DC12V output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Starter system			Recoil starter	12V Electric system		
Battery capacity         V-Ah         Without         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 # (summer) -10 # (winter) -35 # (cold)           Consect           Panel type         Common panel         Common panel           Qutput         Common panel         Single phase           Connection pole         Without         Without           Connection pole output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Starting motor capacity	,	V-KW	Without	12V 0.8KW		
Fuel consumption ratio         g/KW.h         275.1         281.5         281.5           Fuel type         Engine fuel consumption: 0 ** (summer) -10 ** (winter) -35 ** (cold)           Conset           Panel type         Common panel         Common panel           Quiput         Common panel         Common panel           Connection pole         Without         Without         Without           Connection pole output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5         13.5         13.5         Coverall dimension	Charging generator cap	pacity	V-A	Without	12V 3A		
Engine fuel consumption: 0 ≠ (summer) -10 ≠ (winter) -35 ≠ (cold)           Censet           Panel type         Common panel         Common panel           Output         Receptacle         2-Single phase         2-Single phase           Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Battery capacity		V-Ah	Without	12V 36Ah		
Genset           Common panel         Common panel           Panel type         Common panel         Common panel           Output         Receptacle         2-Single phase         2-Single phase           Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Fuel consumption ratio		g/KW.h	275.1 281.5	275.1 281.5		
Panel type         Common panel         Common panel           Output         Receptacle         2-Single phase         2-Single phase           Output         Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Fuel type			Engine fuel consumption: 0 #	(summer) -10 $\ddagger$ (winter) -35 $\ddagger$ (cold)		
Output         Receptacle         2-Single phase         2-Single phase           Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Genset						
Output         Connection pole         Without         Without           DC12V output         Connection pole output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Panel type			Common panel	Common panel		
DC12V output         Connection pole output         Connection pole output           Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655		Receptacle		2-Single phase	2-Single phase		
Nosie level(7m         dB(A)         77         77           Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655	Output	Output Connection pole		Without	Without		
Fuel tank capacity         L         13.5         13.5           Overall dimension         mm         720×492×655         720×492×655		DC12V output		Connection pole output Connection pole output			
Overall dimension mm 720×492×655 720×492×655	Nosie level(7m		dB(A)	77	77		
	Fuel tank capacity		L	13.5	13.5		
Net weight kg 95 100	Overall dimension		mm	720×492×655	720×492×655		
	Net weight		kg	95	100		

		_			
Generating set				KDE8000EA	KDE12EA
Rated frequency			Hz	50 60	50 60
Prime power			kVA	5.5 6.5	8.5 9
			KW	5.5 6.5	8.5 9
Standby power			kVA	6 7.15	9.5 10
			KW	6 7.15	9.5 10
Rated voltage			V	115/230 120/240	115/230 120/240
Rated current			A	47.8/23.9 54.2/27.1	73.9/37 75/37.5
Rated rotation speed			r/min	3000 3600	3000 3600
Generator					
Generator type				KT6.5	KT12
Pole No.				2	2
Phase number				Single phase	Single phase
Excitation mode				Self-excitation and const	ant voltage(with AVR)
Power factor			COSΦ	1.0	1.0
Insulation grade				В	В
Engine					
Engine type				KD2V78FG	KM2V80G
Structure type				V type double cylinder, 4-stroke, air cooled, direct-injected	V type double cylinder, 4-stroke, turbocharged,water-cooled
Bore×stroke			mm	78×64	80×79
Displacement			L	0.61	0.794
Compression ratio				20 : 1	23 : 1
Rated power			KW	7.2 8	12.5 14.5
M/	-16.	Engine	L	-	0.45
Water-cooled water capa	city	Radiator tank	L	-	3.05
Lubrication system				Pressure sp	plashed
Lube oil brand				Above CD SAE 10\	V-30、15W-40
Lube capacity			L	3.5	2.27
Starter system				12V Electric system	12V Electric system
Starting motor capacity			V-KW	12V 1.4KW	12V 1.4KW
Charging generator capa	city		V-A	12V 3A	12V 20A
Battery capacity			V-Ah	12V 36Ah	12V 45Ah
Fuel consumption ratio			g/KW.h	280.3 292.5	285 297
Fuel type				Engine fuel consumption: 0 # (su	ımmer) -10 # (winter) -35 # (cold)
Genset					
Panel type				KI simple smart panel	KI smart panel
	Rece	eptacle		2-Single phase	2-Single phase
Output	Coni	nection pole		With	With
	DC 1	12V output		DC socket output	-
Nosie level (7m)			dB(A)	82	85
Fuel tank capacity			L	25	25
Air filter intake capacity			m <sup>3</sup> /S	-	0.08
Exhaust temperature			°C	-	≤500
Silencer exhaust capacity	,		m <sup>3</sup> /S	-	0.24
Intake air flow			m <sup>3</sup> /S	-	0.84
Overall dimension			mm	920x560x645 / 920x560x790(With caster)	1030X600X650
Net weight			kg	155	200
			~		

Generating set			KDE120	000EA	KDE6500E3
Rated frequency		Hz	50	60	50 60
		kVA	8.5	9.5	5.5 6.3
Prime power		KW	8.5	9.5	4.4 5
		kVA	9.5	10.5	6 7
Standby power		KW	9.5	10.5	4.8 5.6
Rated voltage	1	V	115/230 120/240		400/230 416/240
Rated current		Α	73.9/37	79.2/39.6	7.9 8.7
Rated rotation speed		r/min	3000	3600	3000 3600
Generator					
Generator type			KT1	KTS5	
Pole No.			2		2
Phase number			Single p	ohase	Three phase
Excitation mode				Self-excitation and	d constant voltage(with AVR)
Power factor		COSΦ	1.0	)	0.8(lag)
Insulation grade			В		В
Engine					
Engine type	gine type KD2V86FG			86FG	KM186FAG
Structure type			cylinder, 4-stroke, in-lined, 4		Single cylinder, in-lined, 4-stroke, air cooled, direct-injected
Bore×stroke		mm	86×7	72	86×72
Displacement		L	0.836		0.418
6b` ceXff'ba'eTgb			19:1 19 1		19 1
Rated power		KW	11	12	5.7 6.3
Lubrication system					Pressure splashed
Lube oil brand				Above	CD SAE 10W-30、15W-40
Lube capacity		L	4		1.65
Starter system			12V Electri	ic system	12V Electric system
Starting motor capacity		V-KW	12V 1.	4KW	12 0.8KW
Charging generator capa	acity	V-A	12V	3A	12 3A
Battery capacity		V-Ah	12V 4	5Ah	12 36Ah
Fuel consumption ratio		g/KW.h	273.5	285.7	275.1 281.5
Fuel type			E	ngine fuel consumption	n: 0 # (summer) -10 # (winter) -35 # (cold)
Genset					
Panel type	1		KI simple sn	mart panel	Common panel
	EXVXcgIV_X		2-Single	phase	1-Single phase, 1-Three phase
Output 6baaXVgba*cb_X			With	h	Without
	768% bhgchg		Without Without		Without
Nosie level(7m		dB(A)	83	3	78
Fuel tank capacity		L	25 13.5		
Overall dimension		mm	930×620×695 / 930x620x835(With caster) 720×492×655		
Net weight		kg	185 100		

Generating set			KDE6500X3	KDE8000EA3	
Rated frequency		; m	50 60	50 60	
Prime power		kVA	5.5 6.3	6.5 7.5	
		KW	4.4 5	5.2 6	
Standby power		kVA	6 7	7.2 8.25	
Standby power		KW	4.8 5.6	5.7 6.6	
Rated voltage		V	400/230 416/240	400/230 416/240	
Rated current		Α	7.9 8.7	9.4 10.4	
Rated rotation speed		r/min	3000 3600	3000 3600	
Generator					
Generator type			KTS5	KTS6	
Pole No.			2	2	
Phase number			Three phase	Three phase	
Excitation mode			Self-excitation and co	onstant voltage(with AVR)	
Power factor		COSΦ	0.8(lag)	0.8(lag)	
Insulation grade			В	В	
Engine					
Engine type			KM186FAG	KD2V78FG	
Structure type		Single cylinder, in-lined, 4-stroke, air cooled, direct-injected	V type double cylinder, 4-stroke, air cooled, direct-injected		
Bore×stroke		mm	86×72	78×64	
Displacement		L	0.418	0.61	
Compression ratio			19 1	20 : 1	
Rated power		KW	5.7 6.3	7.2 8	
Lubrication system			Press	sure splashed	
Lube oil brand			Above CD SAI	E 10W-30、15W-40	
Lube capacity		L	1.65	3.5	
Starter system			Recoil starter	12V Electric system	
Starting motor capacity	V	V-KW	12 0.8KW	12V 1.4KW	
Charging generator cap	acity	V-A	12 3A	12V 3A	
Battery capacity		V-Ah	12 36Ah	12V 36Ah	
Fuel consumption ratio		g/KW.h	275.1 281.5	280.3 292.5	
Fuel type			Engine fuel consumption: 0 # (	(summer) -10 # (winter) -35 # (cold)	
Genset					
Panel type			Common panel	KI simple smart panel	
	Receptacle		1-Single phase, 1-Three phase	2-Single phase	
Output Connection pole			Without	With	
	DC12V output		Without	Without	
Nosie level (7m)	1	dB(A)	78	82	
Fuel tank capacity		L	13.5	25	
Overall dimension		mm	720×492×655	920×560×645 / 920×560×790(With castel	
Net weight		kg	95	155	
THO WORK NO		· · · · · · · · · · · · · · · · · · ·			

Generating set			KDE12EA3	KDE12000EA3
Rated frequency		Hz	50 60	50 60
Prime power		kVA	10 11.5	10 11.5
rillie powei		KW	8 9.2	8 9.2
		kVA	11 12.65	11 12.65
Standby power		KW	8.8 10.1	8.8 10.1
Rated voltage		V	400/230 416/240	400/230 416/240
Rated current		A	14.4 16 14.4	
Rated rotation speed		r/min	3000 3600	3000 3600
Generator				
Generator type			KTS12	KTS12
Pole No.			2	2
Phase number			Three phase	Three phase
Excitation mode			Self-excitation ar	nd constant voltage(with AVR)
Power factor		COSΦ	0.8(lag)	0.8(lag)
Insulation grade			В	В
Engine				
Engine type			KM2V80G	KD2V86FG
Structure type			V type double cylinder, 4-stroke, turbocharged,water-cooled	V type double cylinder, 4-stroke, air cooled, direct-injected
Bore×stroke		mm	80×79	86×72
Displacement		1	0.794	0.836
Compression ratio		L	23 : 1	19:1
		KW	12.5 14.5	11 12
	Engine	L	0.45	
Water-cooled water capac	Radiator tank	L	3.05	_
Lubrication system				ure splashed
Lube oil brand			Above CD SA	E 10W-30、15W-40
Lube capacity		L	2.27	4
Starter system			12V Electric system	12V Electric system
Starting motor capacity		V-KW	12V 1.4KW	12V 1.4KW
Charging generator capac	rity	V-A	12V 20A	12V 3A
Battery capacity	sity	V-Ah	12V 45Ah	12V 45Ah
Fuel consumption ratio		g/KW.h	285 297	273.5 285.7
Fuel type		g/KVV.II	Engine fuel consumption: 0	
Genset			Engine luei consumption. 0	(Summer) =10 = (Winter) =35 = (Cold)
Panel type			KI smart panel	KI simple smart panel
	Receptacle		2-Single phase	2-Single phase
F	Connection pole		2-Single phase With	2-Single phase With
	DC 12V output		vviui	
	v output	dP(A)	- 85	Without 83
Nosie level (7m)		dB(A)		25
Fuel tank capacity		L m³/S	25	- 25
Air filter intake capacity		°C	0.08	
Exhaust temperature			≤500	
Silencer exhaust capacity		m <sup>3</sup> /S	0.24	-
Intake air flow			0.84	*
Overall dimension		mm	1030X600X650	930×620×695 / 930x620x835(With car
Net weight		kg	200	185

Generating set				KDE1	6EA	KDE19E	A
Rated frequency			Hz	50	60	50	60
Prime power			kVA	12	14	14.4	17
·			KW	10.8	12.6	13	15.3
Standby power			kVA	13	15	16.7	18.7
otaniaby power			KW	11.7	13.5	15	16.8
Rated voltage		V	115/230	120/240	115/230	120/240	
Rated current			A	104.4/52.2	116.6/58.3	125/62.6	142/70.8
Rated rotation speed			r/min	3000	3600	3000	3600
Generator							
Generator type				KT	14	KT19	
Pole No.				2	!	2	
Phase number				Single	phase	Single ph	ase
Excitation mode					Self-excitation	and constant voltage(with AVR)	
Power factor			COSΦ	0.9(I	ag)	0.9(lag	)
Insulation grade				F	:	F	
Engine							
Engine type				KM37	6AG	KM376A	G
Structure type				3-cylir in-lined, wa 4-stroke, tur	ter-cooled,	3-cylinde in-lined, water 4-stroke, turbo	-cooled,
Bore×stroke			mm	76×	76×77		
Displacement			L	1.0-	48	1.048	
Compression ratio				21.5	: 1	21.5 :	ı
Rated power			KW	15.3	17.5	15.3	17.5
		Engine	L	1	1		
Water-cooled water capa	icity	Radiator tank	L	5		5	
Lubrication system					Pre	ssure splashed	
Lube oil brand					Above CD S	SAE 10W-30、15W-40	
Lube capacity			L	4.	8	4.8	
Starter system				12V Electr	ric system	12V Electric	system
Starting motor capacity			V-KW	12V 1	.4KW	12V 1.4k	CW
Charging generator capa	city		V-A	14V	20A	14V 20	A
Battery capacity			V-Ah	12V 6	65Ah	12V 65A	.h
Fuel consumption ratio			g/KW.h	280	295	280	295
Fuel type				Enç	gine fuel consumption:	0 # (summer) -10 # (winter) -35 #	(cold)
Genset							
Panel type				KI smar	t panel	KI smart p	anel
	Rece	ptacle		2-Single	phase	2-Single pl	nase
Output	Conr	nection pole		With	h	With	
	DC 1	2V output		-		-	
Nosie level (7m)			dB(A)	90	0	90	
Fuel tank capacity			L	38	3	38	
Air filter intake capacity			m³/S	0.1	12	0.12	
Exhaust temperature			°C	≤52	20	≤520	
Silencer exhaust capacity	/		m <sup>3</sup> /S	0.2	27	0.27	
Intake air flow			m³/S	1.2	28	1.28	
Overall dimension			mm	1210×65	50×765	1210×650	765
Net weight			kg	30	0	320	

Generating set				KDE16EA3	KDE19EA3
Rated frequency			Hz	50 60	50 60
Discourse			kVA	13.5 15.5	16.25 19
Prime power			KW	10.8 12.4	13 15.2
			kVA	15 17	18.75 21
Standby power			KW	12 13.6	15 16.8
Rated voltage			V	400/230 416/240	400/230 416/240
Rated current			A	19.5 21.5	23.5 26.4
Rated rotation speed			r/min	3000 3600	3000 3600
Generator					
Generator type				KTS16	KTS19
Pole No.				2	2
Phase number				Three phase	Three phase
Excitation mode				Self-excital	tion and constant voltage(with AVR)
Power factor			COSΦ	0.8(lag)	0.8(lag)
Insulation grade				F	F
Engine					
Engine type				KM376AG	KM376AG
				3-cylinder,	3-cylinder,
Structure type				in-lined, water-cooled, 4-stroke, turbocharged	in-lined, water-cooled, 4-stroke, turbocharged
Bore×stroke			mm	76×77	76×77
Displacement		1	1.048	1.048	
Compression ratio				21.5 : 1	21.5 : 1
Rated power			KW	15.3 17.5	15.3 17.5
	Eng	ine	L	1	1
Water-cooled water capa	city	liator tank	L	5	5
Lubrication system					Pressure splashed
Lube oil brand				Above 0	CD SAE 10W-30、15W-40
Lube capacity			L	4.8	4.8
Starter system				12V Electric system	12V Electric system
Starting motor capacity			V-KW	12V 1.4KW	12V 1.4KW
Charging generator capa	icity		V-A	14V 20A	14V 20A
Battery capacity	· ·		V-Ah	12V 65Ah	12V65Ah
Fuel consumption ratio			g/KW.h	280 295	280 295
Fuel type			g		ion: 0 # (summer) -10 # (winter) -35 # (cold)
Genset					(cold)
Panel type				KI smart panel	KI smart panel
76-	Receptacle	9		2-Single phase	2-Single phase
Output	Connection			With	With
Capat	DC 12V ou			-	-
Nosie level (7m)		-	dB(A)	90	90
			L L	38	38
Fuel tank capacity  Air filter intake capacity			m³/S	0.12	0.12
Exhaust temperature			°C	±520	≤520
Silencer exhaust capacity	,		m³/S	0.27	0.27
	,		m <sup>3</sup> /S	1.28	1.28
Intake air flow					
			mm	1210×650×765 300	1210×650×765 320

Generating set			KDE3	500T	KDE65	500T	
Rated frequency		Hz	50	60	50	60	
Prime power		kVA	2.8	3.3	4.5	5	
Time power		KW	2.8	3.3	4.5	5	
No. of the control of		kVA	3.2	3.8	5	5.5	
Standby power		KW	3.2	3.8	5	5.5	
Rated voltage		V	115/230	120/240	115/230	120/240	
Rated current		A	24.3/12.2	27.5/13.8	39.1/19.6	41.7/20.8	
Rated rotation speed		r/min	3000	3600	3000	3600	
Generator							
Generator type			KT3(190	motor)	KT	5	
Pole No.			2		2		
Phase number					Single phase		
Excitation mode				Self-excitation and	constant voltage(with AVR)		
Power factor		COSΦ	1.0	0	1.0	)	
nsulation grade			В		В		
Engine							
Engine type			KM178	FGET	KM186F	AGET	
Structure type			Single cy in-lined, 4 air cooled, dir	-stroke,	in-lined,	cylinder, 4-stroke, lirect-injected	
Bore×stroke		mm	78×	62	86×7	72	
Displacement		L	0.29	96	0.41	8	
Compression ratio			20 :	: 1	19 :	1	
Rated power		KW	3.68	4	5.7	6.3	
ubrication system				F	Pressure splashed		
ube oil brand				Above CD	SAE 10W-30 15W-40		
ube capacity		L	1.1	1	1.6	5	
Starter system			12V Electr	ric system	12V Electric system		
Starting motor capacity		V-KW	12V 0.	.8KW	12V 0.	12V 0.8KW	
Charging generator capa	acity	V-A	12V	3A	12V	3A	
Battery capacity		V-Ah	12V 3	6Ah	12V 3	6Ah	
uel consumption ratio		g/KW.h	276.1	285.6	275.1	281.5	
Fuel type			Engine	e fuel consumption: 0 #	(summer) -10 # (winter) -35 #	(cold)	
Genset							
Panel type			Common	n panel	Common	panel	
	Receptacle		2-Single	phase	2-Single	phase	
Dutput	Connection pole		With	out	Witho	out	
	DC12V output		Connection p	pole output	Connection p	oole output	
Nosie level(7m	·	dB(A)	70	)	72		
Fuel tank capacity		L	15	5	15		
Overall dimension		mm	835×53	0×740	910×530	)×740	
Net weigh kg		141	140		158		

Rated frequency Prime power  Standby power Rated voltage Rated current Rated rotation speed Generator Generator type Pole No. Phase number Excitation mode		Hz kVA KW kVA KW	50 4.5 4.5 5	<b>60</b> 5	<b>50</b> 4.5 4.5	<b>60</b> 5	
Standby power Rated voltage Rated current Rated rotation speed Generator Generator type Pole No. Phase number		KW kVA KW	4.5 5	5			
Standby power Rated voltage Rated current Rated rotation speed Generator Generator type Pole No. Phase number		kVA KW	5		4.5		
Rated voltage Rated current Rated rotation speed Generator Generator type Pole No. Phase number		KW		E E		5	
Rated voltage Rated current Rated rotation speed Generator Generator type Pole No. Phase number			5	5.5	5	5.5	
Rated current Rated rotation speed Generator Generator type Pole No. Phase number		V		5.5	5	5.5	
Rated rotation speed  Generator  Generator type  Pole No.  Phase number			115/230	120/240	115/230	120/240	
Generator Generator type Pole No. Phase number		Α	39.1/19.6	41.7/20.8	39.1/19.6 4	11.7/20.8	
Generator type Pole No. Phase number		r/min	3000	3600	3000	3600	
Pole No. Phase number							
Phase number			KT	5	KT5		
			2	!	2		
Excitation mode			Single p	phase	Single phase	e	
Excitation mode				Self-excitation and co	onstant voltage(with AVR)		
Power factor		COSΦ	1.0	0	1.0		
Insulation grade			В	1	В		
Engine							
Engine type			KM186F	AGET	KM186FAGE	т	
Structure type			in-lined, 4	Single cylinder, in-lined, 4-stroke, air cooled, direct-injected		Single cylinder, in-lined, 4-stroke, air cooled, direct-injected	
Bore×stroke		mm	86×	72	86×72	86×72	
Displacement		L	0.41	0.418		0.418	
Compression ratio			19 1		19 1		
Rated power		KW	5.7	6.3	5.7 6.3	3	
Lubrication system				Pre	essure splashed		
Lube oil brand				Above CD S	AE 10W-30 15W-40		
Lube capacity		L	1.6	55	1.65		
Starter system			12V Electri	ric system	12V Electric sy	stem	
Starting motor capacity		V-KW	12V 0.	.8KW	12V 0.8KW	12V 0.8KW	
Charging generator capa	acity	V-A	12V	3A	12V 3A		
Battery capacity		V-Ah	12V 3	86Ah	12V 36Ah		
Fuel consumption ratio		g/KW.h	275.1	281.5	275.1 28	31.5	
Fuel type			Engine	e fuel consumption: 0 # (s	summer) -10 # (winter) -35 # (cc	old)	
Genset							
Panel type			Commor	n panel	KI simple smart	panel	
	EXVXcgIV_X		2-Single	phase	2-Single pha	ase	
Output	6baaXVgba~cb_X		With	out	Without		
	768% bhgchg		Connection p	Connection pole output		itput	
Nosie level(7m		dB(A)	72	2	72		
Fuel tank capacity		L	15	5	15		
Overall dimension		mm	930×530	0×740	930×530×74	0	
Net weigh		kg	170	0	170		

KDE7	500TA	KDI	E7000STA	KDE7	7500STA
50	60	50	60	50	60
5.5	6	4.5	5	5.2	5.6
5.5	6	4.5	5	5.2	5.6
6	6.5	5	5.5	5.7	6.2
6	6.5	5	5.5	5.7	6.2
115/230	120/240	115/230	120/240	115/230	120/240
47.8/23.9	50/25	39.1/19.6	6 41.7/20.8	45.2/22.6	46.7/23.3
3000	3600	3000	3600	3000	3600
KT	6		KT5	I	KT6
2			2		2
Single	phase	Sin	igle phase	Singl	le phase
			Self-	-excitation and constant voltage(with AVR)	
1.0	0		1.0		1.0
В			В		В
KD18	88F	KM	186FAGET	KE	)188F
Single cy in-lined, 4 air cooled, dir	-stroke,	in-line	le cylinder, ed, 4-stroke, d, direct-injected	in-lined	e cylinder, , 4-stroke, direct-injected
88×	86		86×72	8	8×86
0.53	32		0.418	0	.532
19 :	:1		19:1	1:	9:1
6.6	7.35	5.7	6.3	6.6	7.35
Pressure s	splashed	Press	ure splashed	Pressur	re splashed
				Above CD SAE 10W-30 15W-40	
1.7	7		1.65		1.7
12V Electr	ic system	12V E	lectric system	12V Ele	ctric system
12V 0	.8KW	12	V 0.8KW	12V	0.8KW
12V	3A	1	12V 3A	12	V 3A
12V 3	6Ah	1:	2V 36Ah	12V	/ 36Ah
274	279	275.1	281.5	275.1	281.5
			Engine fuel con:	sumption: 0 # (summer) -10 # (winter) -35	5 # (cold)
KP310 sm	art panel	Con	nmon panel	KP310 s	smart panel
2-Single	phase	2-Si	ngle phase	2-Sing	gle phase
With	out		Without		ithout
With	out	DC s	socket output	DC so	cket output
73	3		72		73
15	5		15		15
910×53	0×740	870	×645×710	870×	645×710
15	8		170		195

Generating set			KDE12STA	KDE12000T	
Rated frequency		Hz	50 60	50 60	
		kVA	8.5 9	8.5 9.5	
Prime power		KW	8.5 9	8.5 9.5	
		kVA	9.5 10	9.5 10.5	
Standby power		KW	9.5 10	9.5 10.5	
Rated voltage		V	115/230 120/240	115/230 120/240	
Rated current A		A	73.9/37 75/37.5	73.9/37 79.2/39.6	
Rated rotation speed		r/min	3000 3600	3000 3600	
Generator					
Generator type			KT12	KT12	
Pole No.			2	2	
Phase number			Single phase	Single phase	
Excitation mode			Self-excitation and constr	ant voltage(with AVR)	
Power factor		COSΦ	1.0	1.0	
Insulation grade			В	В	
Engine					
Engine type			KM2V80G	KD2V86FGET	
Chrysters to ma			V type double cylinder 4-stroke,	V type double cylinder 4-stroke,	
Structure type			water-cooled, turbocharged	air cooled, direct-injected	
Bore×stroke		mm	80×79	86×72	
Displacement		L	0.794	0.836	
Compression ratio			23:1	19 : 1	
Rated power		KW	12.5 14.5	11 12	
Water-cooled water capacit	Engine	L	0.45	-	
water-cooled water capaci	Radiator tank	L	3.05	-	
Lubrication system			Pressure splas	shed	
Lube oil brand			Above CD SAE 10W-	30、15W-40	
Lube capacity		L	2.27	4	
Starter system			12V Electric system	12V Electric system	
Starting motor capacity		V-KW	12V 1.4KW	12V 1.4KW	
Charging generator capacit	ty	V-A	12V 20A	12V 3A	
Battery capacity		V-Ah	12V 36Ah	12V 45Ah	
Fuel consumption ratio		g/KW.h	285 297	273.5 285.7	
Fuel type			Engine fuel consumption: 0 # (sum	mer) -10 # (winter) -35 # (cold)	
Genset					
Panel type			KI smart panel	KI simple smart panel	
F	Receptacle		2-Single phase	3-Single phase	
Output	Connection pole		With	With	
	OC 12V output		-	Without	
Nosie level (7m)		dB(A)	72	73	
Fuel tank capacity		L	26	25	
Air filter intake capacity		m³/S	0.08	-	
Exhaust temperature		°C	≤500	-	
Silencer exhaust capacity		m <sup>3</sup> /S	0.24	-	
Intake air flow		m <sup>3</sup> /S	0.84	-	
Overall dimension		mm	1350×650×760	1125×625×830	
Net weight		kg	310	250	

Reach frequency									
NVA	Generating set				KDE <sup>-</sup>	16STA	KDE198	TA	
NAM	Rated frequency			Hz	50	60	50	60	
No.   12.6   12.6   13.   15.3   16.8   16.7   18.7   18.5   16.8   16.7   18.5   16.8   1	Prime power			kVA	12	14	14.4	17	
Name				KW	10.8	12.6	13	15.3	
NOW	Oteration			kVA	13	15	16.7	18.7	
Rated coment   A 104.452	Standby power			KW	11.7	13.5	15	16.8	
Ration footalion speed	Rated voltage		V	115/230	120/240	115/230	120/240		
Centrator type	Rated current			A	104.4/52.2	116.6/58.3	125/62.6	142/70.8	
Pole No.	Rated rotation speed			r/min	3000	3600	3000	3600	
Pole No.	Generator								
Finale number   Single phase   Sing	Generator type				K	Γ14	KT19		
Self-excitation and constant voltage(with AVR)	Pole No.					2	2		
Power factor	Phase number				Single	phase	Single ph	ase	
F	Excitation mode					Self-excitation and c	onstant voltage(with AVR)		
Engine type	Power factor			COSΦ	0.9	(lag)	0.9(lag	1)	
Structure type	Insulation grade					F	F		
Structure type	Engine								
Structure type	Engine type				KM3	76AG	KM376	AG	
Borexstroke	Structure type				in-lined, w	ater-cooled.	in-lined, wate	in-lined, water-cooled.	
Rated power	Bore×stroke			mm					
Rated power   KW   15.3   17.5   17.5   17	Displacement			L	1.0	048	1.048		
Engine   L   1   1   1   1   1   1   1   1   1	Compression ratio				21.	5:1	21.5 :	1	
Radiator tank   L   5   5   5	Rated power			KW	15.3	17.5	15.3	17.5	
Radiator tank   Lubrication system			Engine	L		1			
Above CD SAE 10W-30. 15W-40           Lube capacity         L         4.8         4.8           Starting motor capacity         V-KW         12V Electric system         12V Electric system           Starting motor capacity         V-KW         12V 1.4KW         12V 1.4KW           Charging generator capacity         V-A         14V 20A         14V 20A           Battery capacity         V-Ah         12V 65Ah         12V 65Ah           Fuel consumption ratio         g/KW.h         280 295         280 295         280 295           Engine fuel consumption: 0 # (summer) -10 # (winter) -35 # (cold)           Genesate           Panel type         KI smart panel         KI smart panel         KI smart panel           Panel type         KI smart panel         KI smart panel         With         With           Output         © Connection pole         With         With         With         With           Nosie level (7m)         dB(A)         72         72         72           Fuel tank capacity         L         38         38         38           Air filter intake capacity         m3/S         0.12         0.12	Water-cooled water capa	city	Radiator tank	L		5		5	
L   4.8   4.8   4.8   5.5	Lubrication system	-				Press	sure splashed		
Starter system	Lube oil brand					Above CD S	AE 10W-30、15W-40		
Starting motor capacity   V-KW   12V 1.4KW   12V 1.4KW   12V 1.4KW	Lube capacity			L	4	4.8		4.8	
Charging generator capacity   V-A	Starter system				12V Elec	12V Electric system		12V Electric system	
## Battery capacity V-Ah 12V 65Ah 12V 65Ah 12V 65Ah 12V 65Ah  Fuel consumption ratio g/KW.h 280 295 280 295  Fuel type	Starting motor capacity			V-KW	12V	1.4KW	12V 1.4	12V 1.4KW	
Fuel consumption ratio	Charging generator capa	city		V-A	14V	20A	14V 20	14V 20A	
Engine fuel consumption: 0 = (summer) -10 = (winter) -35 = (cold)	Battery capacity			V-Ah	12V	65Ah	12V 65/	Ah	
Genset         KI smart panel         With         Mith	Fuel consumption ratio			g/KW.h	280	295	280	295	
Panel type         KI smart panel         KI smart panel           Output         2-Single phase         2-Single phase           Output         With         With           Nosie level (7m)         dB(A)         72           Fuel tank capacity         L         38         38           Air filter intake capacity         m³/S         0.12         0.12           Exhaust temperature         °C         ≤520         ≤520           Silencer exhaust capacity         m³/S         0.27         0.27           Intake air flow         m³/S         1.36         1.36           Overall dimension         mm         1550×720×810         1550×720×810	Fuel type				E	ngine fuel consumption: 0	# (summer) -10 # (winter) -35	# (cold)	
Notified the capacity         Receptacle         2-Single phase         2-Single phase           Output         With         With           Nosie level (7m)         dB(A)         72         72           Fuel tank capacity         L         38         38           Air filter intake capacity         m³/S         0.12         0.12           Exhaust temperature         °C         ≤520         ≤520           Silencer exhaust capacity         m³/S         0.27         0.27           Intake air flow         m³/S         1.36         1.36           Overall dimension         mm         1550×720×810         1550×720×810	Genset								
Output         Connection pole         With         With         With           DC 12V output         -         -         -           Nosie level (7m)         dB(A)         72         72           Fuel tank capacity         L         38         38           Air filter intake capacity         m³/S         0.12         0.12           Exhaust temperature         °C         ≤520         ≤520           Silencer exhaust capacity         m³/S         0.27         0.27           Intake air flow         m³/S         1.36         1.36           Overall dimension         mm         1550×720×810         1550×720×810	Panel type				KI sma	art panel	KI smart p	anel	
DC 12V output         -         -           Nosie level (7m)         dB(A)         72         72           Fuel tank capacity         L         38         38           Air filter intake capacity         m³/S         0.12         0.12           Exhaust temperature         °C         ≤520         ≤520           Silencer exhaust capacity         m³/S         0.27         0.27           Intake air flow         m³/S         1.36         1.36           Overall dimension         mm         1550×720×810         1550×720×810		Rece	ptacle		2-Singl	e phase	2-Single p	hase	
Nosie level (7m)         dB(A)         72         72           Fuel tank capacity         L         38         38           Air filter intake capacity         m³/S         0.12         0.12           Exhaust temperature         °C         ≤520         ≤520           Silencer exhaust capacity         m³/S         0.27         0.27           Intake air flow         m³/S         1.36         1.36           Overall dimension         nm         1550×720×810         1550×720×810	Output	Conr	nection pole		V	/ith	With		
Fuel tank capacity		DC 1	2V output			-			
Air filter intake capacity m³/S 0.12 0.12  Exhaust temperature °C \$520 \$520  Silencer exhaust capacity m³/S 0.27 0.27  Intake air flow m³/S 1.36 1.36  Overall dimension mm 1550×720×810	Nosie level (7m)			dB(A)	7	72	72		
Air filter intake capacity         m³/S         0.12         0.12           Exhaust temperature         °C         \$520         \$520           Silencer exhaust capacity         m³/S         0.27         0.27           Intake air flow         m³/S         1.36         1.36           Overall dimension         mm         1550×720×810         1550×720×810	Fuel tank capacity			L	3	38	38		
Silencer exhaust capacity         m³/S         0.27         0.27           Intake air flow         m³/S         1.36         1.36           Overall dimension         mm         1550×720×810         1550×720×810	Air filter intake capacity			m³/S	0.	.12	0.12		
Intake air flow         m³/S         1.36         1.36           Overall dimension         mm         1550×720×810         1550×720×810	Exhaust temperature			°C	≤.	520	≤520		
Overall dimension mm 1550×720×810 1550×720×810	Silencer exhaust capacity	У		m <sup>3</sup> /S	0.	27	0.27		
	Intake air flow			m <sup>3</sup> /S	1.	.36	1.36		
Net weight kg 420 442	Overall dimension			mm	1550×7	720×810	1550×720	×810	
	Net weight			kg	4	20	442		

Part	Generating set			KDE6500T3	KDE6700T3	
Filter power   Filter power   Filter power   Filter power   Filter power po	Rated frequency		Hz	50 60	50 60	
NAME			kVA	5.5 6.3	5.5 6.3	
No.   No.	Prime power		KW	4.4 5	4.4 5	
No			kVA	6 7	6 7	
Railed current         A         7.9         8.7         7.9         8.7           Railed rotation speed         r/min         3000         3600         3000         3600           Cenerator type         KTSS         KTSS           Pole No         2           Phase number         Three phase         Three phase           Ecitation mode         Self-excitation and constant voltage(with AVR)           Power factor         COSsp         0.8(lags)         0.8(lags)           Brain and constant voltage (with AVR)           Power factor         COSsp         0.8(lags)         0.8(lags)           Brain and constant voltage (with AVR)         Not Milled FACET           Self-excitation and constant voltage (with AVR)         Not Milled FACET           Self-excitation and constant voltage (with AVR)         Not Milled FACET	Standby power		KW	4.8 5.6	4.8 5.6	
Rated rotation speed   Firmin   S000   3600   30	Rated voltage		V	400/230 416/240	400/230 416/240	
Cenerator type         KTSS         KTSS         KTSS         KTSS         KTSS         KTSS         KTSS         KTSS         PROPERTION OF Three phase of	Rated current		А	7.9 8.7	7.9 8.7	
Pole No.   2	Rated rotation speed		r/min	3000 3600	3000 3600	
Pole No.   2	Generator					
Pase number	Generator type			KTS5	KTS5	
Power factor	Pole No.			2	2	
Power factor	Phase number			Three phase	Three phase	
Final   Fin	Excitation mode			Self-excitation and constant	nt voltage(with AVR)	
Engine type         KM186FAGET         KM186FAGET         KM186FAGET         KM186FAGET         KM186FAGET         Single cylinder, in-lined, 4-stroke, air cooled, firet-thijected           Structure type         Image: cylinder, in-lined, 4-stroke, air cooled, direct-hijected         Single cylinder, in-lined, 4-stroke, air cooled, direct-hijected           Bore×stroke         mm         88×72         86×72         86×72         86×72         Box 18         Colspan="2">Cols	Power factor		COSΦ	0.8(lag)	0.8(lag)	
Structure type         KM186FAGET         KM186FAGET         KM186FAGET         Single cylinder, in-lined, 4-stroke, alrowled, direct-injected           Bore*stroke         mm         86×72         86×72           Displacement         L         0.418         0.418           Compression ratio         KW         5.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.3         5.7         6.5         6.5 </td <td>Insulation grade</td> <td></td> <td></td> <td>В</td> <td>В</td>	Insulation grade			В	В	
Structure type	Engine					
Structure type	Engine type			KM186FAGET	KM186FAGET	
Displacement         L         0.418         0.418           Compression ratio         19 : 1         19 : 1         19 : 1           Rated power         KW         5.7	Structure type			in-lined, 4-stroke,	in-lined, 4-stroke,	
Part	Bore×stroke		mm	86×72	86×72	
Rated power         KW         5.7 e.3         5.7 e.3         6.3           Luberication system         Pressure splashed           Lube oil brand         Above CD SAE 10W-30. 15W-40           Lube capacity         V-KW         12V Electric system	Displacement		L	0.418	0.418	
Pressure splashed           Lube oil brand         Above CD SAE 10W-30 · 15W-40           Lube capacity         Left 1.65         1.65           Starting motor capacity         V-KW         12V Electric system         12V Electric system           Starting motor capacity         V-KW         12V 36W         12V 36Ah         12V 36Ah <th cols<="" td=""><td>Compression ratio</td><td></td><td></td><td>19 : 1</td><td>19 : 1</td></th>	<td>Compression ratio</td> <td></td> <td></td> <td>19 : 1</td> <td>19 : 1</td>	Compression ratio			19 : 1	19 : 1
Lube oil brand         Above CD SAE 10W-30. 15W-40           Lube capacity         L         1.65         1.65           Starter system         12V Electric system         12V Electric system           Starting motor capacity         V-KW         12V 0.8KW         12V 0.8KW           Charging generator capacity         V-A         12V 36Ah         12V 36Ah           Battery capacity         V-Ah         12V 36Ah         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 ± (summer) -10 ± (winter) -35 ± (cold)         Condition         Common panel           Genset           Panel type         Common panel         Common panel           EXXX:gVX         1-Single phase,1-Three phase         1-Single phase,1-Three phase           Output         6baaX\(\frac{1}{2}\) bac\(\frac{1}{2}\) bigcha         Without         Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Rated power		KW	5.7 6.3	5.7 6.3	
Lube capacity         L         1.65         1.85           Starter system         12V Electric system         12V Electric system           Starting motor capacity         V-KW         12V 0.8KW         12V 0.8KW           Charging generator capacity         V-A         12V 3A         12V 36Ah           Battery capacity         V-Ah         12V 36Ah         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 ** (summer) -10 ** (winter) -35 ** (cold)           Genset           Panel type         Common panel         Common panel           Compon panel         Common panel         Common panel           Output         6baaXkgba*cbX         Without         Without         Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15         5           Overall dimension         mm         912×532×740         930×535×742	Lubrication system			Pressure sp	plashed	
Starter system         12V Electric system         12V Electric system           Starting motor capacity         V-KW         12V 0.8KW         12V 0.8KW           Charging generator capacity         V-A         12V 36Ah         12V 36Ah         12V 36Ah         12V 36Ah         Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5         Comsor         Comsor         Common panel         Without         Without         Without         Without         Without         Nosie level(7m         dB(A)         72         72         Fuel tank capacity         L         15         15         Output         Mithout <th col<="" td=""><td>Lube oil brand</td><td></td><td></td><td>Above CD SAE 10\</td><td>W-30、15W-40</td></th>	<td>Lube oil brand</td> <td></td> <td></td> <td>Above CD SAE 10\</td> <td>W-30、15W-40</td>	Lube oil brand			Above CD SAE 10\	W-30、15W-40
Starting motor capacity         V-KW         12V 0.8KW         12V 0.8KW           Charging generator capacity         V-A         12V 3A         12V 3A           Battery capacity         V-Ah         12V 36Ah         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 ** (summer) -10 ** (winter) -35 ** (cold)           Genset           Panel type         Common panel         Common panel           Coutput         EXXX: gVX         1-Single phase, 1-Three phase         1-Single phase, 1-Three phase           Output         6baaXigta cbX         Without         Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Lube capacity		L	1.65	1.65	
Charging generator capacity         V-A         12V 3A         12V 36Ah           Battery capacity         V-Ah         12V 36Ah         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 # (summer) -10 # (winter) -35 # (cold)           Gensot           Panel type         Common panel         Common panel           EXWc/g/VX         1-Single phase, 1-Three phase         1-Single phase, 1-Three phase           Output         6baaXilgba cb,X         Without         Without           Nosie level(7m         dB(A)         72         Tele tank capacity         L         15         15         Overall dimension         mm         912×532×740         930×535×742	Starter system			12V Electric system	12V Electric system	
Battery capacity         V-Ah         12V 36Ah         12V 36Ah           Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 # (summer) -10 # (winter) -35 # (cold)           Panel type         Common panel         Common panel           Output         EXWcgIVX         1-Single phase,1-Three phase         1-Single phase,1-Three phase           Output         6baaXkigba*cb.X         Without         Without           Nosie level(7m         dB(A)         72         Teul tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Starting motor capacity	,	V-KW	12V 0.8KW	12V 0.8KW	
Fuel consumption ratio         g/KW.h         275.1         281.5         275.1         281.5           Fuel type         Engine fuel consumption: 0 ‡ (summer) -10 ‡ (winter) -35 ‡ (cold)           Genset           Panel type         Common panel         Common panel           EXWcgIVX         1-Single phase,1-Three phase         1-Single phase,1-Three phase           Output         6baaXvgba*cb.X         Without         Without           Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Charging generator ca	pacity	V-A	12V 3A	12V 3A	
Engine fuel consumption: 0 * (summer) -10 * (winter) -35 * (cold)           Genset           Panel type         Common panel         Common panel           EXXX-glVX         1-Single phase,1-Three phase         1-Single phase,1-Three phase           6baaXigba*cbX         Without         Without           765¼ 'bhg*hg         Without         Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Battery capacity		V-Ah	12V 36Ah	12V 36Ah	
Genset           Panel type         Common panel         Common panel           EXXX:gVX         1-Single phase,1-Three phase         1-Single phase,1-Three phase           Output         6baaXigba cb.X         Without         Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Fuel consumption ratio		g/KW.h	275.1 281.5	275.1 281.5	
Panel type         Common panel         Common panel           Output         EXXx-gVX         1-Single phase,1-Three phase         1-Single phase,1-Three phase           6baaXxiba cbX         Without         Without           76 SNI bhgr.hg         Without         Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Fuel type			Engine fuel consumption: 0 # (su	ımmer) -10 # (winter) -35 # (cold)	
Output         EXXx-gIVX         1-Single phase,1-Three phase         1-Single phase,1-Three phase           Output         6baaXigba cbX         Without         Without           76 SNI bhgr.hg         Without         Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Genset					
Output         6baaXkgba*cb.X         Without         Without           76 SM bhg-hg         Without         Without           Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Panel type			Common panel	Common panel	
Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742		EXVXcgIV <u>X</u>		1-Single phase,1-Three phase	1-Single phase,1-Three phase	
Nosie level(7m         dB(A)         72         72           Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742	Output	6baaXVgba*cb_X		Without	Without	
Fuel tank capacity         L         15         15           Overall dimension         mm         912×532×740         930×535×742		768% bhgchg		Without	Without	
Overall dimension mm 912*532*740 930*535*742	Nosie level(7m		dB(A)	72	72	
	Fuel tank capacity		L	15	15	
Net weigh kg 165 177	Overall dimension		mm	912×532×740	930×535×742	
	Net weigh		kg	165	177	

KDE6700TA3	KDE7500TA3	KDE7000STA3
50 60	50 60	50 60
5.5 6.3	6.5 7	5.5 6.3
4.4 5	5.2 5.6	4.4 5
6 7	7.1 7.7	6 7
4.8 5.6	5.7 6.2	4.8 5.6
400/230 416/240	400/230 416/240	400/230 416/240
7.9 8.7	9.4 9.7	7.9 8.7
3000 3600	3000 3600	3000 3600
KTS5	KTS6	KTS5
2	2	2
Three phase	Three phase	Three phase
	Self-excitati	on and constant voltage(with AVR)
0.8(lag)	0.8(lag)	0.8(lag)
В	В	В
KM186FAGET	KM188F	KM186FAGET
Single cylinder, in-lined, 4-stroke, air cooled, direct-injected	Single cylinder, in-lined, 4-stroke, air cooled, direct-injected	Single cylinder, in-lined, 4-stroke, air cooled, direct-injected
86×72	88×86	86×72
0.418	0.532	0.418
19 1	19 : 1	19 : 1
5.7 6.3	6.6 7.35	5.7 6.3
Pressure splashed	Pressure splashed	Pressure splashed
	Abo	ve CD_SAE 10W-30
1.65	1.65	1.65
12V Electric system	12V Electric system	12V Electric system
12V 0.8KW	12V 0.8KW	12V 0.8KW
12V 3A	12V 3A	12V 3A
12V 36Ah	12V 36Ah	12V 36Ah
275.1 281.5	275.1 281.5	275.1 281.5
	Engine fuel consumption:	0 # (summer) -10 # (winter) -35 # (cold)
KI simple smart panel	KP310 smart panel	Common panel
1-Single phase,1-Three phase	1-Single phase,1-Three phase	1-Single phase,1-Three phase
Without	Without	Without
Without	Without	Without
72	73	72
15	15	15
930×535×742	870×645×740	870×645×710
177	195	177

Generating set			KDE7500STA3	KDE12000T3
Rated frequency		Hz	50 60	50 60
Prime power		kVA	6.5 7	10 11.5
riiile powei		KW	5.2 5.6	8 9.2
		kVA	7.1 7.7	11 12.65
Standby power		KW	5.7 6.2	8.8 10.1
Rated voltage		V	400/230 416/240	400/230 416/240
Rated current		A	9.4 9.7	14.4 16
Rated rotation speed		r/min	3000 3600	3000 3600
Generator				
Generator type			KTS6	KTS12
Pole No.			2	2
Phase number			Three phase	Three phase
Excitation mode			Self-excitation and c	constant voltage(with AVR)
Power factor		COSΦ	0.8(lag)	0.8(lag)
Insulation grade			В	В
Engine				
Engine type			KD188F	KD2V86FGET
Structure type			Single cylinder, in-lined, 4-stroke, air cooled, direct-injected	V type double cylinder 4-stroke, air cooled, direct-injected
Bore×stroke		mm	88×86	86×72
Displacement		L	0.532	0.836
Compression ratio			19:1	19:1
Rated power		KW	6.6 7.35	11 12
•	Engine	L	-	-
Water-cooled water ca	Radiator tank	L	-	-
Lubrication system			Pressure	splashed
Lube oil brand			Above CD SAE 1	10W-30、15W-40
		L	1.65	4
Lube capacity		L	1.65 12V Electric system	4 12V Electric system
Lube capacity Starter system	V	L V-KW	1.65 12V Electric system 12V 0.8KW	4 12V Electric system 12V 1.4KW
Lube capacity Starter system Starting motor capacity			12V Electric system 12V 0.8KW	12V Electric system 12V 1.4KW
Lube capacity Starter system Starting motor capacity Charging generator ca		V-KW V-A	12V Electric system 12V 0.8KW 12V 3A	12V Electric system 12V 1.4KW 12V 3A
Lube capacity Starter system Starting motor capacity Charging generator ca Battery capacity	pacity	V-KW V-A V-Ah	12V Electric system 12V 0.8KW 12V 3A 12V 36Ah	12V Electric system 12V 1.4KW 12V 3A 12V 45Ah
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio	pacity	V-KW V-A	12V Electric system 12V 0.8KW 12V 3A 12V 36Ah 275.1 281.5	12V Electric system 12V 1.4KW 12V 3A
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio	pacity	V-KW V-A V-Ah	12V Electric system 12V 0.8KW 12V 3A 12V 36Ah 275.1 281.5	12V Electric system 12V 1.4KW 12V 3A 12V 45Ah 273.5 285.7
Lube capacity Starter system Starting motor capacity Charging generator ca Battery capacity Fuel consumption ratio	pacity	V-KW V-A V-Ah	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (	12V Electric system 12V 1.4KW 12V 3A 12V 45Ah 273.5 285.7
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio  Fuel type  Genset	pacity	V-KW V-A V-Ah	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (KP310 smart panel	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel
Lube capacity Starter system Starting motor capacity Charging generator ca Battery capacity Fuel consumption ratio Fuel type Gensot Panel type	pacity	V-KW V-A V-Ah	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio  Fuel type  Genset	Pacity  Receptacle	V-KW V-A V-Ah	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (  KP310 smart panel  1-Single phase,1-Three phase	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel  2-Single phase,1-Three phase  With
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio  Fuel type  Genset  Panel type  Output	Receptacle Connection pole	V-KW V-A V-Ah g/KW.h	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (  KP310 smart panel  1-Single phase,1-Three phase  Without	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel  2-Single phase,1-Three phase  With
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio  Fuel type  Gensot  Panel type  Output  Nosie level (7m)	Receptacle Connection pole	V-KW V-A V-Ah	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (  KP310 smart panel  1-Single phase,1-Three phase  Without	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel  2-Single phase,1-Three phase  With
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio  Fuel type  Genset  Panel type  Output  Nosie level (7m)  Fuel tank capacity	Receptacle Connection pole DC 12V output	V-KW V-A V-Ah g/KW.h  dB(A)	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (  KP310 smart panel  1-Single phase,1-Three phase  Without  Without	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel  2-Single phase,1-Three phase  With  Without  73
Lube capacity Starter system Starting motor capacity Charging generator ca Battery capacity Fuel consumption ratio Fuel type Genset Panel type Output Nosie level (7m)	Receptacle Connection pole DC 12V output	V-KW V-A V-Ah g/KW.h	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (  KP310 smart panel  1-Single phase,1-Three phase  Without  Without  73  15	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel  2-Single phase,1-Three phase  With  Without  73  25
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio  Fuel type  Genset  Panel type  Output  Nosie level (7m)  Fuel tank capacity  Air filter intake capacity  Exhaust temperature	Receptacle Connection pole DC 12V output	V-KW V-A V-Ah g/KW.h  dB(A) L m³/S *C	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (  KP310 smart panel  1-Single phase,1-Three phase  Without  Without  73  15	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel  2-Single phase,1-Three phase  With  Without  73  25  -
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio  Fuel type  Genset  Panel type  Output  Nosie level (7m)  Fuel tank capacity  Air filter intake capacity  Exhaust temperature  Silencer exhaust capacit	Receptacle Connection pole DC 12V output	V-KW V-A V-Ah g/KW.h  dB(A) L m³/S	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (  KP310 smart panel  1-Single phase,1-Three phase  Without  Without  73  15  -	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 ‡ (winter) -35 ‡ (cold)  KI simple smart panel  2-Single phase,1-Three phase  With  Without  73  25  -
Lube capacity  Starter system  Starting motor capacity  Charging generator ca  Battery capacity  Fuel consumption ratio  Fuel type  Genset  Panel type  Output  Nosie level (7m)  Fuel tank capacity  Air filter intake capacity	Receptacle Connection pole DC 12V output	V-KW V-A V-Ah g/KW.h  dB(A) L m³/S °C m³/S	12V Electric system  12V 0.8KW  12V 3A  12V 36Ah  275.1 281.5  Engine fuel consumption: 0 # (  KP310 smart panel  1-Single phase,1-Three phase  Without  Without  73  15	12V Electric system  12V 1.4KW  12V 3A  12V 45Ah  273.5 285.7  (summer) -10 # (winter) -35 # (cold)  KI simple smart panel  2-Single phase,1-Three phase  With  Without  73  25

Concreting est	_				25742	VDE4603	.v3	
Generating set				KDE12		KDE16ST		
Rated frequency			Hz	50	60	50	60	
Prime power			kVA	10	11.5	13.5	15.5	
			KW	8	9.2	10.8	12.6	
Standby power			kVA	11	12.65	15	17	
Rated voltage			KW V	8.8 400/230	10.1 416/240	12 400/230	13.6 416/240	
Rated current			A	14.5	16	19.5	21.5	
Rated rotation speed			r/min	3000	3600	3000	3600	
Generator			17111111	3000	3000	3000	3000	
Generator type				KTS	312	KTS16		
Pole No.				2		2	<u>'</u>	
Phase number				Three		Three pha	ase	
Excitation mode						d constant voltage(with AVR)		
Power factor			COSΦ	0.8(		0.8(lag	)	
Insulation grade				E		F	,	
Engine								
Engine type				KM2\	/80G	KM376A	.G	
					double	3-cylinde	er,	
Structure type				cylinder water-cooled	4-stroke, , turbocharged		in-lined, water-cooled, 4-stroke, turbocharged	
Bore×stroke			mm	80×	80×79			
Displacement			L	0.7	94	1.048		
Compression ratio			23	: 1	21.5 : 1	1		
Rated power			KW	12.5	14.5	15.3	17.5	
Water-cooled water capa	acity.	Engine	L	0.4	0.45			
water-cooled water capa	acity	Radiator tank	L	3.0	)5	5		
Lubrication system					Pressu	ire splashed		
Lube oil brand					Above CD SA	E 10W-30、15W-40		
Lube capacity			L	2.2	27	4.8		
Starter system				12V Elect	ric system	12V Electric	system	
Starting motor capacity			V-KW	12V 1	12V 1.4KW		(W	
Charging generator capa	acity		V-A	12V	20A	14V 20	A	
Battery capacity			V-Ah	12V 3	6Ah	12V 65A	h	
Fuel consumption ratio			g/KW.h	285	297	280 2	95	
Fuel type				Eng	ine fuel consumption: 0 #	(summer) -10 # (winter) -35 #	(cold)	
Genset								
Panel type				KI smal	rt panel	KI smart p	anel	
	_	eptacle		2-Single	phase	2-Single ph	nase	
Output		nection pole		Wi	ith	With		
	DC 1	12V output		-		-		
Nosie level (7m)			dB(A)	7:		72		
Fuel tank capacity			L	2		38		
Air filter intake capacity			m <sup>3</sup> /S	0.0		0.12		
Exhaust temperature			°C	≤51		≤520		
Silencer exhaust capacity	У		m <sup>3</sup> /S	0.2		0.27		
ntake air flow			m <sup>3</sup> /S	3.0		1.36		
Overall dimension			mm	1350×6		1550×720>	810	
Net weight		kg	31	310		420		

Generating set			KDE19STA3	KDE40ST3
Rated frequency		Hz	50 60	50
		kVA	16.25 19	38
Prime power		KW	13 15.2	30.4
		kVA	18.75 21	40
Standby power		KW	15 16.8	32
Rated voltage		V	400/230 416/240	400/230
Rated current		A	23.5 26.4	54.8
Rated rotation speed		r/min	3000 3600	3000
Generator				
Generator type			KTS19	KFS38-2P
Pole No.			2	2
Phase number			Three phase	-
Excitation mode			Self-excitation and const	ant voltage(with AVR)
Power factor		COSΦ	0.8(lag)	0.8(lag)
Insulation grade			F	Н
Engine				
Engine type			KM376AG	KM493G
Structure type			3-cylinder, in-lined, water-cooled, 4-stroke, turbocharged	4-cylinder, in-lined, water-cooled, 4-stoke,direct-injected
Bore×stroke		mm	76×77	93×102
Displacement		ı	1.048	2.771
Compression ratio			21.5 : 1	18.2: 1
Rated power		KW	15.3 17.5	40
	Engine	L <sub>a</sub>	1	3.9
Water-cooled water capac	Radiator tank	L	5	8
Lubrication system			Pressure splashed	Pressure splashed
Lube oil brand			Above CD SAE 10W	V-30、15W-40
Lube capacity		L	4.8	8.5
Starter system			12V Electric system	12V Electric system
Starting motor capacity		V-KW	12V 1.4KW	12V 2.8KW
Charging generator capac	city	V-A	14V 20A	14V 20A
Battery capacity		V-Ah	12V 65Ah	12V 80Ah
Fuel consumption ratio		g/KW.h	280 295	272
Fuel type			Engine fuel consumption: 0 # (summe	er) -10 # (winter) -35 # (cold)
Genset				
Panel type			KI smart panel	KI smart pane
	Receptacle		2-Single phase	2-Single phase
Output	Connection pole		With	With
-	DC 12V output		-	-
Nosie level (7m)		dB(A)	72	68
Fuel tank capacity		L	38	95
Air filter intake capacity		m³/S	0.12	0.1
Exhaust temperature		°C	≤520	≤550
Silencer exhaust capacity		m <sup>3</sup> /S	0.27	0.14
Intake air flow		m <sup>3</sup> /S	1.36	2.27
Overall dimension		mm	1550×720×810	1900×950×1200
Net weight		kg	442	985

Generating set			KGE2500X		KGE4000X	
Rated frequency		Hz	50	60	50 60	
Prime power		kVA	2	2.2	3 3.5	
		KW	2	2.2	3 3.5	
Observation		kVA	2.2	2.4	3.3 4	
Standby power		KW	2.2	2.4	3.3 4	
Rated voltage		V	115/230	120/240	115/230 120/240	)
Rated current		A	17.4/8.7	18.3/9.2	26/13 29.2/14.6	6
Rated rotation speed		r/min	3000	3600	3000 3600	
Generator						
Generator type			KT-2.5(16	60motor)	KT-3(190motor)	
Pole No.			2			
Phase number			Single	phase	Single phase	
Excitation mode				Self-excitation ar	nd constant voltage(with AVR)	
Power factor		COSΦ	1.	0	1.0	
Insulation grade			В	3	В	
Engine	Engine					
Engine type			KG200G(1)X(high cover)		KG280G(1)(high cover)	
Structure type			Single cylinder, 4-stroke,air cooled, cylinder inclined,overhead valve		Single cylinder, 4-stroke,air cooled, cylinder inclined,overhead val	llve
Bore×stroke	ore×stroke mm 68×54 78×58		78×58			
Displacement		L	0.1	96	0.277	
Compression ratio			8.5	: 1	8.5 : 1	
Rated power		KW	3.6	4	5 5.5	
Inigation system			Indu vtiv	ve(TCI)	Indu vtive(TCI)	
Lubrication system			Splas	shed	Splashed	
Lube oil brand				Abov	ve SF SAE 10W-30 15W-40	
Lube capacity		L	0.0	6	1.1	
Starter system			Recoil	starter	Recoil starter	
Starting motor capacity		V-KW	-		-	
Charging generator capa	acity	V-A	-		-	
Battery capacity		V-Ah	-		-	
Fuel consumption ratio		g/KW.h	39	95	374	
Fuel type			Vehicle lead	I-free petrol	Vehicle lead-free petrol	
Genset						
Panel type			Commo	n panel	Common panel	
	Receptacle		2-Single	phase	3-Single phase	
Output	Connection pole		With	nout	Without	
	DC12V output		Connection	pole output	Connection pole output	
Nosie level(7m		dB(A)	66	6	69	
Fuel tank capacity		L	13.	.5	25	
Overall dimension		mm	590×43	80×430	675×520×540	
Net weigh		kg	46	6	71	

Generating set			KGE6500X	KGE6500E	
Rated frequency		Hz	50 60	50 60	
		kVA	5 5.5	5 5.5	
Prime power		KW	5 5.5	5 5.5	
		kVA	5.5 6.5	5.5 6.5	
Standby power		KW	5.5 6.5	5.5 6.5	
Rated voltage	-	V	115/230 120/240	115/230 120/240	
Rated current		А	43.5/21.7 45.8/22.9	43.5/21.7 45.8/22.9	
Rated rotation speed		r/min	3000 3600	3000 3600	
Generator					
Generator type			KT6	KT6	
Pole No.			2	2	
Phase number			Single phase	Single phase	
Excitation mode			Self-excitation and co	enstant voltage(with AVR)	
Power factor		COSΦ	1.0	1.0	
Insulation grade			В	В	
Engine					
Engine type KG390GX		KG390GX	KG390GEX		
Structure type	ructure type 4-stroke,air cold, 4-strok		Single cylinder, 4-stroke,air cold, cylinder inclined,overhead valve		
Bore×stroke		mm	88×64	88×64	
Displacement	splacement L 0.389		0.389	0.389	
Compression ratio			8.5 : 1	8.5 : 1	
Rated power		KW	7 7.7	7 7.7	
Inigation system			Indu vtive(TCI)	Indu vtive(TCI)	
Lubrication system			Splashed	Splashed	
Lube oil brand			Above SF SA	E 10W-30 15W-40	
Lube capacity		L	1.1	1.1	
Starter system			Recoil starter	12V Electric system / recoil starter	
Starting motor capacity	у	V-KW	-	12V 0.4KW	
Charging generator ca	spacity	V-A	-	12V 8A	
Battery capacity		V-Ah	-	12V 11Ah	
Fuel consumption ratio	)	g/KW.h	374	374	
Fuel type			Vehicle lead-free petrol	Vehicle lead-free petrol	
Genset					
Panel type			Common panel	Common panel	
	Receptacle		3-Single phase	3-Single phase	
Output	Connection pole		Without	Without	
	DC12V output		Without	Connection pole output	
Nosie level(7m		dB(A)	74	74	
Fuel tank capacity		L	25	25	
Overall dimension		mm	675×520×540	675×520×540	
Net weigh		kg	83	90	

	Generating set KGE12E KGE12EA					
Generating set					KGE12EA	
Rated frequency		Hz	50	60	50 60	
Prime power		kVA	8.5	9.5	8.5 9.5	
		KW	8.5	9.5	8.5 9.5	
Standby power		kVA	9.5	10.5	9.5 10.5	
		KW	9.5	10.5	9.5 10.5	
Rated voltage		V	115/230	120/240	115/230 120/240	
Rated current		A	73.9/36.9	79.2/39.6	73.9/36.9 79.2/39.6	
Rated rotation speed		r/min	3000	3600	3000 3600	
Generator						
Generator type			KT1	12	KT12	
Pole No.			2		2	
Phase number			Single p	phase	Single phase	
Excitation mode				Self-excitation	and constant voltage(with AVR)	
Power factor		COSΦ	1.0	0	1.0	
Insulation grade			В		В	
Engine						
Engine type			KG690G		KG690G	
Structure type Vtype double Structure type oylinder, 4-stroke, air cooled, overhead camshaft air co		V type double cylinder, 4-stroke, air cooled, overhead camshaft				
Bore×stroke		mm	78×	72	78×72	
Displacement		L	0.68	88	0.688	
Compression ratio			8.5	: 1	8.5 : 1	
Rated power		KW	12	14	12 14	
Inigation system			Indu vtiv	re(TCI)	Indu vtive(TCI)	
Lubrication system			Pressure s	splashed	Pressure splashed	
Lube oil brand				Above SF	SAE 10W-30 15W-40	
Lube capacity		L	1.3	3	1.3	
Starter system			12V Electri	ic system	12V Electric system	
Starting motor capacity		V-KW	12V 1.	.4KW	12V 1.4KW	
Charging generator capa	acity	V-A	12V	8A	12V 8A	
Battery capacity		V-Ah	12V 36	6Ah	12V 36Ah	
Fuel consumption ratio		g/KW.h	370	0	370	
Fuel type			Vehicle lead-	-free petrol	Vehicle lead-free petrol	
Genset						
Panel type			Commor	n panel	KI simple smart panel	
	Receptacle		3-Single	phase	2-Single phase	
Output	Connection pole		Wit	th	With	
	DC12V output		With	out	Without	
Nosie level(7m		dB(A)	77	7	77	
Fuel tank capacity		L	25	5	25	
Overall dimension		mm	910×600	0×620	910×600×620	
Net weigh		kg	16	1	168	

Generating set		KGE65	00X3	KGE650	0E3
Rated frequency	Hz	50	60	50	60
	kVA	5.6	6.2	5.6	6.2
Prime power	KW	4.5	5	4.5	5
	kVA	6	7	6	7
Standby power	KW	4.8	5.6	4.8	5.6
Rated voltage	V	400/230	416/240	400/230	416/240
Rated current	A	8	8.6	8	8.6
Rated rotation speed	r/min	3000	3600	3000	3600
Generator					
Generator type		KTS	66	KTS6	3
Pole No.		2		2	
Phase number		Three p	hase	Three ph	nase
Excitation mode			Self-excitation and c	onstant voltage(with AVR)	
Power factor	COSΦ	0.8(la	ag)	0.8(la	9)
Insulation grade		В		В	
Engine					
Engine type		KG390GX		KG390GEX	
Structure type		Single cylinder, 4-stroke,air cooled, cylinder inclined,overhead valve		Single cylinder, 4-stroke,air cooled, cylinder inclined,overhead valve	
Bore×stroke	mm	88×6	88×64 88×64		4
Displacement	isplacement L		39	0.389	)
Compression ratio		8.5 :	: 1	8.5 :	1
Rated power	KW	7	7.7	7	7.7
Inigation system		Indu vtive	e(TCI)	Indu vtive	(TCI)
Lubrication system		Splasi	hed	Splash	ed
Lube oil brand			Above SF S	AE 10W-30 15W-40	
Lube capacity	L	1.1	l	1.1	
Starter system		Recoil s	starter	12V Electric system	or recoil starter
Starting motor capacity	V-KW	-		12V 0.4	KW
Charging generator capacity	V-A	-		12V 8	A
Battery capacity	V-Ah	-		12V 11	Ah
Fuel consumption ratio	g/KW.h	374	4	374	
Fuel type		Vehicle lead-	-free petrol	Vehicle lead-f	ree petrol
Genset					
Panel type		Common	panel	Common	panel
Receptacle		2-Single phase,1	1-Three phase	2-Single phase,1-	Three phase
Output Connection pole		Witho	out	Witho	ut
DC12V output		Connection p	pole output	Connection po	ole output
Nosie level(7m	dB(A)	74		74	
Fuel tank capacity	L	25		25	
Fuel tank capacity  Overall dimension	mm	25 675×520		25 675×520	×540

Generating set			KGE12E	:3	KGE12EA3	
Rated frequency	T	Hz	50	60	50 60	
Prime power		kVA	9.5	10.5	9.5 10.5	
		KW	7.6	8.4	7.6 8.4	
Standby power		kVA	10.5	11.5	10.5 11.5	
Standby power		KW	8.4	9.2	8.4 9.2	
Rated voltage		V	400/230	416/240	400/230 416/240	
Rated current		A	13.7	14.6	13.7 14.6	
Rated rotation speed		r/min	3000	3600	3000 3600	
Generator						
Generator type			KTS12		KTS12	
Pole No.			2		2	
Phase number			Three pha	ase	Three phase	
Excitation mode				Self-excitation and	d constant voltage(with AVR)	
Power factor		COSΦ	0.8(lag)	)	0.8(lag)	
Insulation grade			В		В	
Engine						
Engine type	igine type KG690G KG690G				KG690G	
Structure type	V type double cylinder, 4-stroke, air cooled, overhead camshaft air		V type double cylinder, 4-stroke, air cooled, overhead camshaft			
Bore×stroke		mm	78×72		78×72	
Displacement		L	0.688	0.688		
Compression ratio			8.5 : 1		8.5 : 1	
Rated power		KW	12	14	12 14	
Inigation system			Indu vtive(	TCI)	Indu vtive(TCI)	
Lubrication system			Pressure spla	ashed	Pressure splashed	
Lube oil brand				Above SF S	SAE 10W-30 15W-40	
Lube capacity		L	1.3		1.3	
Starter system			12V Electric s	system	12V Electric system	
Starting motor capacity		V-KW	12V 1.4K	W	12V 1.4KW	
Charging generator capa	acity	V-A	12V 8A		12V 8A	
Battery capacity		V-Ah	12V 36A	h	12V 36Ah	
Fuel consumption ratio		g/KW.h	370		370	
Fuel type			Vehicle lead-fre	ee petrol	Vehicle lead-free petrol	
Genset						
Panel type			Common pa	anel	KI simple smart panel	
	Receptacle		2-Single phase,1-T	hree phase	2-Single phase	
Output	Connection pole		With		With	
	DC12V output		Without		Without	
Nosie level(7m		dB(A)	77		77	
Fuel tank capacity		L	25		25	
Overall dimension		mm	910×600×6	620	910×600×620	
Net weigh		kg	161		168	

# PORTABLE WELDING GEN SERIES

Kipor Portable welding generator series is a dual use unit featuring welding and power generation. Power ranges from 2 to 10 kVA. Welding current ranges from 160 to 450A. This generator set is developed upon Kipor's latest technology built upon Kipor's 10 year history of manufacturing welder/generators.

The power supply for welding is self-driven. It can be used in a host of applications- railroading, highway construction, port operations, oil fields, chemical plants, building construction, agriculture and many more. Self-excitation and constant voltage enhance the generator performance. The lightweight and compact design facilitates on-site maneuverability and saves storage space.

1

## One unit, dual function

KIPOR original technology has been utilized to develop and advanced product with dual functions- welding and power generation. 3

## **Perfect welding**

The unit can achieve a perfect waveform of the welding voltage by utilizing IGBT and PWM technology. The non-fluctuating welding current produces a high quality welding operation. 5

## Easy maneuver ability

A lightweight and compact design improves on-site maneuverability and saves storage space. It has four durable casters to facilitate movement.

2

## Simultaneous use

Generating and welding can be performed simultaneously. The welding operation won't impact the waveform and voltage of the generator.

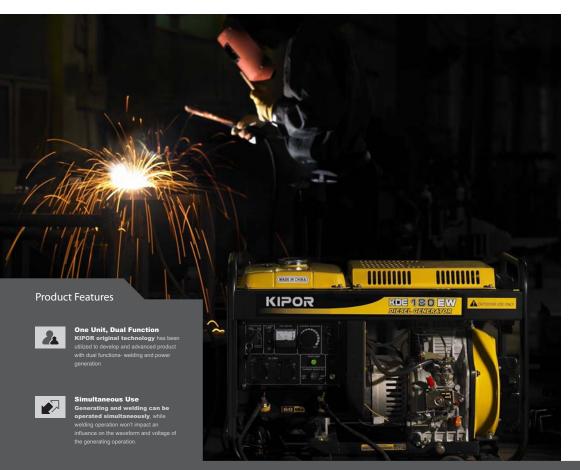
4

## **Excellent electricity**

A new AVR (automatic voltage regulator) and damper winding further enhances the electricity production with extremely low voltage fluctuation and minimum waveform distortion. 6

## Wide application

The welding arc is super smooth to get perfect quality welds. The welding current regulation is broad to accommodate a variety of welding rods.





- ▶ One unit, dual function
- ▶ Simultaneous use
- ▶ Perfect welding
- ► Excellent electricity
- ► Easy maneuverability



Kipor's welding and generating dual use diesel generator sets:

Power supply ranges from 2 to 10 kVA. Welding current ranges from 160 to 450A. This generator set is developed upon Kipor's latest technology built upon Kipor's 10 year history of manufacturing welder/generators.

The power supply for welding is self-driven. It can be used in a host of applications- railroading, highway construction, port operations, oil fields, chemical plants, building construction, agriculture and many more. Self- excitation and constant voltage enhance the generatorperformance. The lightweight and compact design facilitates on-site maneuverability and saves storage space.



Perfect Welding
The unit can achieve a perfect waveform of the welding voltage by utilizing IGBT and PWM technology. The non-fluctuating welding current



## High Quality Power

voltage regulator) and damper



#### **Easy Maneuverability**

saves storage space. It has four durable casters to facilitate movement.



#### **Wide Application**

The welding arc is super smooth to get perfect quality welds. The welding current regulation is broad to accommodate a variety of welding rods.

## **KDE** diesel models





	KDE5000XW	KDE5000EW
Rated frequency (Hz)	50/60	50/60
Rated generating output(KVA)	2.0 2.2	2.0 2.2
Rated generating voltage(V)	115/230 120/240	115/230 120/240
Rated welding voltage(V)	65-70	65-70
Rated welding current (A)	160	160
let weight(kg)	105	112
Dimensions(mm)	720x492x655	720x492x655

The unit can achieve a perfect welding waveform voltage by utilizing IGBT and PWM technology. A non-fluctuating current produces high quality welding.

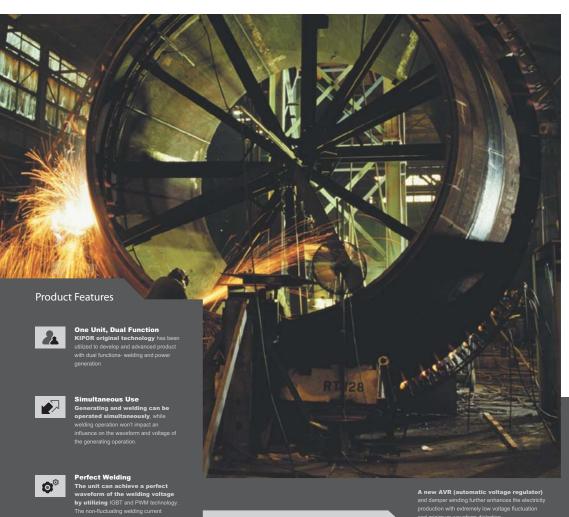






	KDE180XW	KDE180EW	KDE180TW
Rated frequency (Hz)	50/60	50/60	50/60
Rated generating output(KVA)	2.8 2.8	2.8 2.8	2.8 2.8
Rated generating voltage(V)	115/230 120/240	115/230 120/240	115/230 120/240
Rated welding voltage(V)	65-70	65-70	65-70
Rated welding current (A)	160	160	160
Net weight(kg)	130	147	191
Dimensions(mm)	840x535x650	840x535x650	930x545x740





A new AVR (automatic voltage regulator) and damper winding further enhances the electricity production with extremely low voltage fluctuation and minimum waveform distortion.

**KDE** Single-phase models





	KDE280EW	KGE280EW
Rated frequency (Hz)	50/60	50/60
Rated generating output(KVA)	5 5	5 5
Rated generating voltage(V)	115/230 120/240	115/230 120/240
Rated welding voltage(V)	70-75	70-75
Rated welding current (A)	250	250
Net weight(kg)	225	190
Dimensions(mm)	1135x605x650	910x600x620



- ▶ One unit, dual function
- ▶ Simultaneous use
- ▶ Perfect welding
- ► Excellent electricity
- ► Easy maneuverability



KIPOR's welding and generating dual use diesel generator sets:

Power supply ranges from 2 to 10 kVA. Welding current ranges from 160 to 450A. This generator set is developed upon Kipor's latest technology built upon Kipor's 10 year history of manufacturing welder/generators





A lightweight and compact design improves on-site maneuverability and saves storage space. It has four durable casters to facilitate movement.

## Three-phase models





	KDE300STW3	KDE500STW3
Rated frequency (Hz)	50/60	50/60
Rated generating output(KVA)	5 5	10 10
Rated generating voltage(V)	400/230 416/240	400/230 416/240
Rated welding voltage(V)	70-75	75-78
Rated welding current (A)	280	Single 500 double 2x250
Net weight(kg)	520	850
Dimensions(mm)	1380x685x765	1650x820x980

saves storage space. It has four durable casters to facilitate movement.

High Quality Power
New A new AVR (automatic voltage regulator) and damper



The welding arc is super smooth to get perfect quality welds. The welding current regulation is broad to accommodate a variety of welding rods.



Туре		KDE50	00XW	KDE500	0EW
Rated frequency	Hz	50	60	50	60
Rated power	kW	2.0	2.2	2.0	2.2
Rated voltage	V	115/230	120/240	115/230	120/240
Rated current	A	17.4/8.7	18.3/9.2	17.4/8.7	18.3/9.2
Rated rotation speed	r/m in	3000	3600	3000	3600
Phase No.		Single-phas	e three-loop	Single-phase	three-loop
Power factor	cosφ	1.	0	1.0	
Welding					
Rated welding voltage	V	65	-70	65-70	
Rated welding current	A	1	60	160	
Welding voltage	V	25	-30	25-30	
Welding load continous ratio		60	1%	60%	
Welding current adjustment range	А	50-	180	50-180	
Electrode diameter	mm	1.6	-4.0	1.6-4.0	
Excitation mode			Separate excitation+	AVR voltage regulator	
Recifying mode		Dic	de	Diod	e
Connection mode		Drive shaft rag	id connection	Drive shaft ragio	d connection
Insulation grade		E	1	В	
Pole number		2	!	2	
Engine					
Engine model		KM186	AGXW	KM186FA	GEW
Engine type		Single	cylinder, four-stroke, air-coo	oled, directed injection, diesel engi	ine
Displacement	L	0.4	118	0.418	
Bore x stroke	mm	1-8	3x72	1-86x72	
Compression ratio		19	0:1	19:1	
Rated power	kW	5.7	6.3	5.7	6.3
Lubrication system		Pressure	splashed	Pressure s	olashed
Lube oil brand			SF SAE10W	/-30, 15W-40	
Lube capacity	L	1.0	\$5	1.65	
Lube capacity Starting system	L	1.i		1.65 Recoil starter or 12	v electric starter
	L V-Ah		starter		
Starting system		Recoil	starter	Recoil starter or 12	
Starting system Battery capacity	V-Ah	Recoil	starter	Recoil starter or 12: 12V-36 275.1	iAh
Starting system  Battery capacity  Fuel consumption ratio	V-Ah	Recoil	starter 281.5	Recoil starter or 12: 12V-36 275.1	iAh
Starting system  Battery capacity  Fuel consumption ratio  Fuel type	V-Ah	Recoil	starter 281.5	Recoil starter or 12: 12V-36 275.1	iAh
Starting system  Battery capacity  Fuel consumption ratio  Fuel type  Generator set	V-Ah g/KW.h	Recoil	281.5 0#(summer), -10#(winter	Recoil starter or 12 12V-36 275.1 -),-35#(chill cold) diesel	iAh
Starting system  Battery capacity  Fuel consumption ratio  Fuel type  Generator set  Fuel tank capacity	V-Ah g/KW.h L	Recoil	281.5 0#(summer), -10#(winter	Recoil starter or 12 12V-36 275.1 	iAh
Starting system  Battery capacity  Fuel consumption ratio  Fuel type  Generator set  Fuel tank capacity  Continous running time	V-Ah g/KW.h L hr	Recoil	281.5 0#(summer), -10#(winter	Recoil starter or 12 12V-36 275.1 27),-35#(chill cold) diesel	281.5
Starting system  Battery capacity  Fuel consumption ratio  Fuel type  Generator set  Fuel tank capacity  Continous running time  Noise	V-Ah g/KW.h L hr	275.1 1:	281.5 0#(summer), -10#(winter).5	Recoil starter or 12 12V-36 275.1 27),-35#(chill cold) diesel 13.5 6 77	281.5
Starting system  Battery capacity  Fuel consumption ratio  Fuel type  Generator set  Fuel tank capacity  Continous running time  Noise  Structure type	V-Ah g/KW.h  L hr dB(A)/7m	720x4	281.5 0#(summer), -10#(winter) 3.5 3.7 7	Recoil starter or 12 12V-36 275.1 275.1 13.5 6 77 Open-fran	281.5

KDE	180XW	KDE	180EW	KDE180T	w
50	60	50	60	50	60
2.8	2.8	2.8	2.8	2.8	2.8
115/230	120/240	115/230	120/240	115/230	120/240
24.3/12.2	23.3/11.7	24.3/12.2	23.3/11.7	24.3/12.2	23.3/11.7
3000	3600	3000	3600	3000	3600
Single-phas	se three-loop	Single-phas	se three-loop	Single-phase the	nree-loop
	1.0	1	1.0	1.0	
65	5-70	65	5-70	65-70	
1	160	1	60	160	
25	5-30	25	5-30	25-30	
6	0%	6	0%	60%	
50	-180	50	-180	50-180	)
1.6	6-4.0	1.6	6-4.0	1.6-4.0	)
Self-excitation and o	constant voltage (AVR)	Self-excitation and cor	nstant voltage(with AVR)	Self-excitation and constant	nt voltage(with AVR)
Three-phase bri	idge+IGBT (PWM)	Three-phase bri	idge+IGBT(PWM)	Three-phase bridge	+IGBT(PWM)
Drive shaft ri	igid connection	Drive shaft ra	agid connection	Drive shaft ragid	connection
	В		В	В	
	2		2	2	
KM186	BFAGXW	KM186	BFAGEW	KM186FAG	ETW
	Sin	gle-cylinder, four-stroke, air-coo	oled,directed injection, diese	I engine	
0.	418	0.	418	0.418	
1-8	36x72	1-8	6x72	1-86x72	2
1	9:1	1	9:1	19:1	
5.7	6.3	5.7	6.3	5.7	6.3
Pressure	e splashed	Pressure	e splashed	Pressure spl	ashed
SF SAE10V	V-30, 15W-40	SF SAE10V	V-30, 15W-40	SF SAE10W-30	, 15W-40
1	.65	1	.65	1.65	
Recoi	il starter	Recoil starter or	12v electric starter	12v electric	starter
12V	′-36Ah	12V	-36Ah	12V-36A	.h
275.1	281.5	275.1	281.5	275.1	281.5
			0#	#(summer), -10#(winter),-35#(chill	cold) diesel
1	3.5	1	3.5	15	
	6		6	6.5	
	78		78	70	
			78 n-frame	70 Silent	
Oper	78	Oper			740

Туре		KGE	280EW	KDE280E	w		
Rated frequency	Hz	50	60	50	60		
Rated power	kW	5	5	5	5		
Rated voltage	V	115/230	120/240	115/230	120/240		
Rated current	А	43.5/21.7	41.7/20.8	43.5/21.7	41.7/20.8		
Rated rotation speed	r/m in	3000	3600	3000	3600		
Phase No.		Single-pha	se three-loop	Single-phase th	ree-loop		
Power factor	cosφ		1.0	1.0			
Welding							
Rated welding voltage	V	70	)-75	70-7	5		
Rated welding current	Α	2	50	250	)		
Welding voltage	V	25	5-30	25-3	0		
Welding load continous ratio		6	0%	60%	,		
Welding current adjustment range	А	50	-280	50-28	30		
Electrode diameter	mm	2.0	)-6.0	2.0-6	.0		
Excitation mode			Self-excitation a	and constant voltage (AVR)			
Recifying mode			Three-phas	se bridge+IGBT (PWM)			
Connection mode		Drive shaft,r	igid connection	Drive shaft,ri	gid connection		
Insulation grade			В В		В		
Pole number			2	2			
Engine							
Engine model		KG6	90GW	KM2V8	ogw		
Engine type		V-twin,four-stroke, air-co	oled,OHC, gasoline	V-twin,four-stroke, water-cooled	swirl chamber,diesel		
Displacement	L	0.	688	0.79	4		
Bore x stroke	mm	2-7	8x72	2-80x	79		
Compression ratio		8.	5:1	23:	ı		
Rated power	kW	12	14	12.5	14.5		
Lubrication system		Pressur	e splashed	Pressure s	plashed		
Lube oil brand			SF S/	AE10W-30, 15W-40			
Lube capacity	L		1.3	2.2	7		
Starting system		12v elec	ctric starter	12v electric	starter		
Battery capacity	V-Ah	12\	/-36Ah	12V-4	5Ah		
Fuel consumption ratio	g/KW.h	370	370	285	297		
Fuel type		Veicle lea	d-free petrol	0#(summer), -10#(winer	),-35#(chill cold) dies		
Generator set							
Fuel tank capacity	L	:	25	25			
Continous running time	hr		5	6.5			
Noise	dB(A)/7m		78	80			
Structure type		Oper	-frame	Open-fr	ame		
Overall dimensions(LxWxH)	mm	With wheels	:910x600x760	With wheels:11	30x600x790		
Dry weight	kg	1	90	225			
	-		-	-	-		

KDE300STW3			KDE500STW3	
50			50 60	
5	5	10	10	
400/230	416/240	400/230	416/240	
7.2	6.9	14.4	13.9	
3000	3600	3000	3600	
	5000	Single-phase four-line Y-connection	3000	
0.	.8(lag)	0.8(lag)		
70-75		75-78	75-78	
280		Single torch:500 Dua	Single torch:500 Dual torch:2x250	
25-30		30-38	30-38	
	50%	60%	60%	
5	5-300	Single torch:90-500 Du	Single torch:90-500 Dual torch:55-250	
2	.0-6.0	2.0-8.0		
	Brus	shless self excitation and constant volage(with AVR)		
Three-phase bridge+IGBT (PWM)				
	Single-bearing disc-connection			
	F	Н	Н	
	2	2	2	
KD	373GW	KD488GV	V	
KD Three-cylinder, in-lined, four-str				
Three-cylinder, in-lined, four-str				
Three-cylinder, in-lined, four-str	roke, water-cooled,swirl ch	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct	t injection, diesel	
Three-cylinder, in-lined, four-str	roke, water-cooled,swirl ch	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19	t injection, diesel	
Three-cylinder, in-lined, four-str	roke, water-cooled,swirl ch 0.979 73x78	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled,direct 2.19 4-88x90	t injection, diesel	
Three-cylinder, in-lined, four-str	oke, water-cooled,swirl ch 0.979 73x78 12.5:1	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1 32.2 Pressure spla	t injection, diesel	
Three-cylinder, in-lined, four-str	oke, water-cooled,swirl ch 0.979 73x78 12.5:1 14.7	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1	t injection, diesel	
Three-cylinder, in-lined, four-str	oke, water-cooled,swirl ch 0.979 73x78 12.5:1 14.7	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1 32.2 Pressure spla	t injection, diesel	
Three-cylinder, in-lined, four-str	oke, water-cooled,swirt ch 0.979 73x78 12.5:1 14.7 re splashed	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1 32.2 Pressure spla	t injection, diesel	
Three-cylinder, in-lined, four-str 3- 2 13.3 Pressu 12V el	coke, water-cooled, swirt ch 0.979 73x78 14.7 re splashed 4.5 ectric starter	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1 32.2 Pressure spla SF SAE10W-30, 15W-40 8.5 12V electric s	35.5 shed	
Three-cylinder, in-lined, four-str 3- 2 13.3 Pressu	coke, water-cooled, swirt ch 10.979 73x78 14.7 re splashed 4.5 ectric starter 276	### Three-cylinder, in-lined, four-stroke, water-cooled, direct  ### 2.19  ### 4-88x90  ### 18.2:1  ### 32.2    Pressure spla  ### SF SAE10W-30, 15W-40  ### 8.5  ### 12V electric s  ### 12V-65Ar  ### 230 23	35.5 shed	
Three-cylinder, in-lined, four-str  3- 2 13.3 Pressu 12V el	coke, water-cooled, swirt ch 10.979 73x78 14.7 re splashed 4.5 ectric starter 276	amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1 32.2 Pressure spla SF SAE10W-30, 15W-40 8.5 12V electric s	35.5 shed	
Three-cylinder, in-lined, four-str  3- 2 13.3 Pressu 12V el	ooke, water-cooled, swirt ch 0.979 73x78 (2.5:1 14.7 re splashed 4.5 ectric starter V-45Ah 276	### Three-cylinder, in-lined, four-stroke, water-cooled, direct  2.19  4-88x90  18.2:1  32.2  Pressure spla  SF SAE10W-30, 15W-40  8.5  12V electric s  12V-65At  230  23  0#(summer), -10#(winter), -35#(chill cold) diesel	35.5 shed	
Three-cylinder, in-lined, four-str 3- 2 13.3 Pressu 12V el	oke, water-cooled, swirt ch 0.979 73x78 12.5:1 14.7 re splashed 4.5 ectric starter 276	### Amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct  ### 2.19  ### 4-88x90  ### 18.2:1  ### 32.2    Pressure spla  ### SF SAE10W-30, 15W-40  ### 8.5  ### 12V electric s  ### 12V-65At  ### 230	35.5 shed	
Three-cylinder, in-lined, four-str 3- 2 13.3 Pressu 12V el	73x78 22.5:1 14.7 re splashed 4.5 ectric starter V-45Ah 276	### Three-cylinder, in-lined, four-stroke, water-cooled, direct  2.19  4-88x90  18.2:1  32.2  Pressure spla  SF SAE10W-30, 15W-40  8.5  12V electric s  12V-65At  230  23  0#(summer), -10#(winter),-35#(chill cold) diesel	35.5 shed	
Three-cylinder, in-lined, four-str	0.979 73x78 12.5:1 14.7 re splashed 4.5 ectric starter V-45Ah 276	Amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1 32.2 Pressure spla SF SAE10W-30, 15W-40 8.5 12V electric s 12V-65At 230 23 0#(summer), -10#(winter),-35#(chill cold) diesel	35.5 shed	
Three-cylinder, in-lined, four-str  3-  13.3  Pressu  12V el  12  270	70xe, water-cooled, swirt ch 2.979 73x78 12.5:1 14.7 re splashed 4.5 ectric starter V-45Ah 276 30 8 70	Amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1 32.2 Pressure splat SF SAE10W-30, 15W-40 8.5 12V electric strong 230 23 0#(summer), -10#(winter), -35#(chill cold) diesel 65 10 70 Silent	35.5 shed	
Three-cylinder, in-lined, four-str  3-  13.3  Pressu  12V el  12  270	0.979 73x78 12.5:1 14.7 re splashed 4.5 ectric starter V-45Ah 276	Amber, diesel Three-cylinder, in-lined, four-stroke, water-cooled, direct 2.19 4-88x90 18.2:1 32.2 Pressure spla SF SAE10W-30, 15W-40 8.5 12V electric s 12V-65At 230 23 0#(summer), -10#(winter),-35#(chill cold) diesel	35.5 shed	

# PORTABLE LIGHT TOWER

After developing various backup and prime power systems, KIPOR is increasing its power systems offerings and introducing innovative products for industry.

The KIPOR mobile light towers can be utilized in a variety of situations such as construction sites, disaster recovery,

Industry, mining, and event lighting

All KIPOR light towers are equipped with KIPOR high quality digital generators or advanced conventional models. The new mobile light towers feature high wind resistance and a wide area of illumination. KIPON's compact mobile light towers are available with 1000, 4000, and 6000 halide lights, designed for a compact and efficient installation. You can choose the suitable power and light levels to fit your requirements

Both the telescoping mast and illumination angle of the lights can be easily adjusted giving the operator great flexibility in lighting the area. The tower is designed to be user friendly in terms of both operation and handling.

2

## **KIPOR IGLB3000**

- 1, 400 or 1000W metal halide lamps
- 2. Optimally designed lamp bracket, easily transportable
- Advanced digital generator provides a high quality power supply
- 4. Digitally controlled inverter technology ensures a stable power output
- 5. Integrated control panel makes operation easy and convenient
- 6. Both recoil and electric starting systems

4

## **KIPOR KLTD11000T**

- 1. 1000W metal halide lamp applicable for all climates
- 2. Manual and automatic telescopic link
- 3. Advanced technology ensures a high quality power supply
- 4. Folding mast facilitates storage
- Optimally designed lamp bracket makes transporting easy and safe.

1

## **KIPOR IGLA3000**

- 1. 400 or 1000W metal halide lamps
- 2. Optimally designed lamp bracket, easily transportable
- 3. Advanced digital generator provides a high quality power supply
- 4. Digitally controlled inverter technology ensures a stable power output
- 5. Integrated control panel makes operation easy and convenient
- 6. Both recoil and electric starting systems
- 7. Modular lamps

3

## **KIPOR IGLB6000**

- 1. 400 or 1000W metal halide lamps
- Optimally designed lamp bracket, easily transportable
- 3. Advanced digital generator provides a high quality power supply
- 4. Digitally controlled inverter technology ensures a stable power output
- Integrated control panel makes operation easy and convenient
- 6. Both recoil and electric starting

5

## KLBH500-1 KLBH500-2

- 1. Die-cast aluminum bracket
- 2. Adjustable windshield
- 3. Protective front shield
- 4. Adjustable swivel head
- Built-in ON-OFF switch with two swivel heads
- 6. Fixed metal tripod with telescopic link
- 7. Folding bracket facilitates storage
- 8. 500W 118mm metal halide lamp





	IGLB3000	IGLA3000	IGLB6000
Floodlight model	KLB400-4/KLB1000-2	KLA1000-1	KLB1000-4
Lamp power (W)-No.of lamp	400-4/1000-2	1000-1	1000-4
Total power of the lamps (W)	1600/2000	1000	4000
Luminuous flux (Im)	144000/220000	110000	440000
Mast	4 stages lifting mast	4 stages lifting mast	4 stages lifting mast
Net weight (kg)	135/140	150	220



- ▶ 1000, 4000, or 6000W halide lights
- ▶ Optimally designed lamp bracket for easy transport
- Advanced digital generator provides a high quality power supply
- ▶ Integrated control panel makes operation easy and convenient

The KIPOR mobile light towers can be utilized in a variety of situations such as construction sites, disaster recovery, industry, mining, and event lighting. All the light towers are equipped with KIPOR high quality digital or conventional generators.

#### **Product Features**



#### Wide Lighting Area

Kipor's light tower parallel lamp structure is more efficient than competitive lighting systems and provides up to 50% more light output. The unique top structure of the lamp shade directs up to 10% of previously wasted upward light directly to the work site.



## Easy for Transport

The generator powering the light tower can be used a backup power in emergency situations.
There are two receptacles on the light tower mast. You can switch off the light tower mast. You can switch off the light and then connect another electrical load to get a quality output from the generator. The receptacles can be configured to your voltage requirement of 110, 120, 230, or 240V.



#### **Dual Application**

The generator inside the light tower can be used as back-up power for emergency applications. There are two receptacles on the mast of the light tower. You can switch off the light and then connect another electrical load treet a quality power output from the generator. The receptacles can be confligured to your voltage requirements of 101/v1/2012-2013/v1/2012-01



### Advantages of Halide Lamp

The internal structure of the metal halide lamp is unique. The light is produced through the discharge of its internal gasses. There is no filament to break or deteriorate over time and no bulb to throw away.



#### Safe operation

The mast incorporates a safety feature by not permitting the mast to be raised unless the footbrake is on. If the footbrake is release, the mast will automatically lower to the travel position. The light tower trolley has stabilizers to keep the light tower steady on all surfaces.



handling.

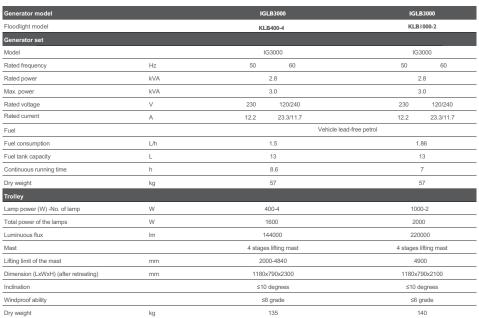
giving the operator great flexibility in lighting the area. The tower is designed to be user friendly in terms of both operation and

















IGLB6000	KLTD1100T
KLA1000-4	KLT1500-4
IG6000	KDE11T
50 60	50 60
5.5	8.5 10.5
6	9.5 11.5
230 120/240	230 240
23.9 45.8/22.9	-
Vehicle lead-free petrol	Diesel
3.7	4
22	70
6	17.5
96.5	-
1000-4	1500-4
4000	6000
440000	660000
4 stages lifting mast	3 stages lifting mast
2100-4900	4800-9000
1180x790x2100	3600x1250x1680
≤10 degrees	≤10 degrees
≤6 grade	≤6 grade
220	700
	IG6000     50   60     5.5     6     230   120/240     23.9   45.8/22.9     Vehicle lead-free petrol     3.7     22     6     96.5     1000-4     4000     440000     4 stages lifting mast     2100-4900     1180x/99x2100     ≤10 degrees     ≤6 grade