

Ultra Silent Generator

More Powerful Performance

Our exclusive technology provides greater motor starting capability for large loads such as central air conditioners while still running other home appliances and electronics.

Automatic, Hands-off Operation

In the event of a utility power outage, automatically the generator automatically starts to restore power to the home, whether you're home or away.

Digital Electronic Iso Chronous Governor

Safer Power for Sensitive Electronics

Our residential generators protect all of your valuable appliances and sophisticated electronics with cleaner, safe and stable power

Digital Voltage Regulator

Easier Service and Installation

Our new easy-connection terminal block provides faster, flexible installations.
LED Display Provides Diagnostic Capability

Quieter Operation

Sound enclosure maintains neighborhood solitude whether you are in self-test or full operation mode

Meets Environmental

Protection Agency (EPA) nonstationary unit requirements

Faster Response

While many competitive products can leave you in the dark for 25 seconds or more during an outage, our generators restore power in as little as 10 seconds.

- Advanced Digital Control
- More sophisticated diagnostic self-test

KDE 12STA/KDE 16STA/KDE 16STA3



Ultra Silent Generator

Model	KDE 12STA	KDE 16STA	KDE 16STA3
Rated Frequency(Hz)	50/60	50/60	50/60
Rated Output(kVA)	8.5 9.5	12 14	13.5 15.5
Max. Output(kVA)	9.5 10.5	13 15	15 17
Rated Voltage(V)	115/230 120/240		230/400 240/416
Rated Current(A)	73.9/37 79.2/39.6	104.4/52.2 116.6/58.3	19.5 21.5
Rated speed(r/min)	3000/3600		
Generator model	KT12	KT14	KTS16
Pole No.	2		
Loop mode	Single-phase three-line		Three-phase, four-line, Y-connection
Excitation mode	Self-excitation and constant voltage(AVR)		
Power factor(cosΦ)	0.9(Lag)		0.8(Lag)
Insulation grade	F		
Engine model	KM2V80G	KM376AG	
Engine type	Two-cylinder, v-twin, water-cooled, four-stroke, swirl chamber	Three-cylinder, in-lined, four-stroke, swirl chamber, water-cooled	
BoreXstroke(mm)	80x79	76X77	
Total displacement(L)	0.794	1.048	
Compression ratio	23:1	21.5:1	
Rated power(kW)	12.5 14.5	15.3 17.5	
Cooling water capacity(engine)(L)	-	1	6
Radiator tank(L)	-	5	
Lubricating system	Pressure splashed		
Lube oil brand	SAE10W-30,15W-40(above CD grade)		
Lube oil capacity(L)	2.27	4.8	
Starting system	12V Electric starter		
Starting motor capacity(V-kW)	12V 1.4kW		
Charging generator capacity (V-A)	12V 20A	14V 20A	14V 25A
Battery capacityXNo.(V-Ah)	12V 36Ah	12V 65AhX1	12V 65Ah
Fuel type	0 #summer -10 #winter -35 #(chillness) diesel		
Fuel consumption(g/kW.h)	≤340	≤320	
Panel type	Digital panel		
Output voltage(V)	115/230 120/240		230/400 240/416
Receptacle	Two single-phase receptacles		
Connection pole	Available		
Noise level(zero load-full load)[dB(A)/7m]	72		
Structure type	Super silent		
Fuel tank capacity(L)	26	38	
Continous running time(hr)	7	7 6	7 5
Overall dimension(LXWXH)(mm)	1350X795X850 1350X650X760(without wheels)	1550X720X810	1540X845X925 1540X700X810(without wheels)
Dry weight(kg)	310	420	

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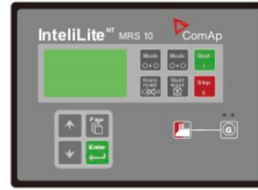
DG12000XSE-T Diesel Generator

50Hz FullPower



DG12000XSE-T FullPower

Prime Power (kVA) (Single Three Phase)	9	11.4
Prime Power (kW) (Single Three Phase)	9	9
Standby Power (KVA) (Single Three Phase)	10	12.5
Standby Power (KW) (Single Three Phase)	10	10
Power Factor (Single Three Phase)	1	0.8
Frequency (Hz)	50	
Rate Voltage (V) (Single Three Phase)	230	230/400
Rate Current (A) (Single Three Phase)	39	16
Controller	MRS10	
Control Voltage (DC/V)	12	
Battery Capacity (Ah)	45	
Coolant Capacity (L)	5	
Fuel Tank Capacity(Base frame) (L)	30	
Fuel Consumption (L/Hour)	4.2	
Running Time (Hour)	7	
Sound @7 meter (dBA)	75	
Product size (mm)	1360x650x980	
Weight net (kg)	318	
Package size (mm)	1410x700x1015	
Package Weight net (kg)	360	
Engine Model	EV80	
Prime power (kW)	12	
Structure	2 cylinder,V type	
Fuel type	Diesel	
Fuel consumption (L/Hour)	4.2	
Lubricant consumption (L/Hour)	0.05	
Governor	Electrical	
Cooling	Water	
Lubricant capacity (L)	2.27	
Air intake flow (m³/min)	1.4	
Exhaust gas flow (m³/min)	4.2	
Exhaust gas temperature (°C)	550	
Exhaust gas back pressure (Kpa)	5	
Compression ratio	23	
Aspiration	Natural	
Bore (mm)	80	
Stroke	79	
Displacement (L)	0.794	
SAE	J1349	
Dimension (mm)	650x486x528	
Net weight (Kg)	58	
Alternator Model	KTDS-10	
Prime power (kVA)	10	
Structure	1 bearing / Brush	
Excitation mode	Self – excitation	
Insulation class	F	
Protection class	IP23	
TIF	<50	
THF	<2%	
Air flow (m³/s)	0.071	
AVR Model	Capacitance	



Support engine and alternator monitoring, measurement and protection. This is long-running and back-up unit to integrate the best way to control. support Modbus standard, modem,RS232, RS485, USB and internet.

Measurement, displayment	MRS10
Genset prime power Kw	●
Power factor	●
Engine speed	●
Phase to neutral voltage	●
Phase to phase voltage	●
Genset frequency	●
Genset current	●
Mains Phase to neutral voltage	×
Mains Phase to phase voltage	×
Mains frequency	×
Engine oil pressure	●
Engine water temperature	●
Fuel level	×
Battery voltage	●
Genset power KVA	●
Genset running time	●
Genset output KWh	×
History file	×
Alarm, shutdown function	
Low oil pressure warning,shutdown	●
High water temperature warning,shutdown	●
Engine over and under speed shutdown	●
Low fuel level warning,shutdown	●
Battery low and high voltage warning	●
Battery charging failure	●
Genset low and high voltage warning, shut down	●
Alternator 3 phase voltage unbalance shut down	●
Alternator low and high frequency warning,shut down	●
Genset over load shutdown	●
Alternator 3 phase current unbalance shutdown	●
Mains low and high voltage warning	×
Mains low and high frequency warning	×
Optional	
Remote start and stop	●
RS232 card	○
USB card	○
RS485 card	○
Multi language display	○
GPRS communication	○
GPS communication	○

● standard ○ Optional × None

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POWER PRODUCTS



KDE 6500SE

Silent Diesel Generator

- > Single cylinder, air cooled diesel engine
- > High performance
- > High reliability



KDE 6500E

Diesel Generator

- > Single cylinder, air cooled diesel engine
- > High performance
- > High reliability

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POWER PRODUCTS

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POWER PRODUCTS

- > YAMA Diesel Power
- > Unique and compact design
- > Low fuel consumption
- > Low emission

Model		KDE6500SE\KDE6500E	
Generator	Rated Frequency(Hz)	50	
	Rated Rotation Speed(rpm)	3000	
	DC Output(V.A)	12V,8.3A	
	Rated Voltage(V)	220\380,230\400	
	Rated Output Power(kW)	4.5	
	Max Output Power(kW)	5.0	
	Power Factor cos Φ	1\0.8	
	Phase Number	Single Phase\Three Phases	
	Excitation Transistorized	Self-excitation and constant voltage(with AVR)	
	Structure Type	Silent / Open frame	
	Fuel Tank Capacity(L)	12.5	
	Continuous Running Time (hr)(at Rated Power)	6.5	
	Noise Level(dB@7m)	71	96
	Net Weight(Kg)	185	128
	Overall Dimension (mm)(LxWxH)	1070x540x740	740x630x735
Optional Standard	ATS		
Engine	Engine Model	186 FA	
	Starting System	Electric Starter	
	Engine Type	1-Cylinder,4-Stroke,Air Cooled, Vertical, Diesel Engine	
	BorexStroke(mm)	86x72	
	Displacement(L)	0.418	
	Compression Ratio	19.5:1	
	Rated Power(KW/rpm)	5.8/3000	
	Fuel Consumption(g/KW.h)	275	
	Fuel Type	0#(Summer),-10#(Winter), -35#(Arctic) Diesel Oil	
	Lube Type	SAE10W30(CD grade above)	

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KDE 7500SE

Silent Diesel Generator

- > Single cylinder, air cooled diesel engine
- > High performance
- > High reliability

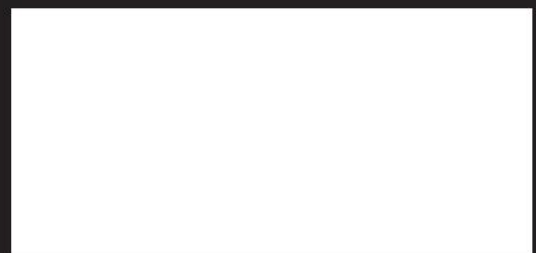


KDE 7500E

Diesel Generator

- > Single cylinder, air cooled diesel engine
- > High performance
- > High reliability

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POWER PRODUCTS

- > YAMA Diesel Power
- > Unique and compact design
- > Low fuel consumption
- > Low emission

Model		KDE7500SE\KDE7500E	
Generator	Rated Frequency(Hz)	50	
	Rated Rotation Speed(rpm)	3000	
	DC Output(V.A)	12V,8.3A	
	Rated Voltage(V)	220\380,230\400	
	Rated Output Power(kW)	5.0	
	Max Output Power(kW)	5.5	
	Power Factor cos Φ	1\0.8	
	Phase Number	1\3	
	Excitation Transistorized	Self-excitation and constant voltage(with AVR)	
	Structure Type	Silent / Open frame	
	Fuel Tank Capacity(L)	12.5	
	Continuous Running Time (hr)(at Rated Power)	6.5	
	Noise Level(dB@7m)	72	96
	Net Weight(Kg)	185	128
	Overall Dimension (mm)(LxWxH)	1070x540x740	740x630x735
Optional Standard	ATS		
Engine	Engine Model	188 FB	
	Starting System	Electric	
	Engine Type	1-Cylinder,4-Stroke,Air Cooled, Vertical, Diesel Engine	
	BorexStroke(mm)	88x75	
	Displacement(L)	0.456	
	Compression Ratio	19.5:1	
	Rated Power(KW/rpm)	6.6/3000	
	Fuel Consumption(g/KW.h)	275	
	Fuel Type	0#(Summer),-10#(Winter), -35#(Arctic) Diesel Oil	
Lube Type	SAE10W30(CD grade above)		

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POWER PRODUCTS



KDE 8500SE

Silent Diesel Generator

- > Single cylinder, air cooled diesel engine
- > High performance
- > High reliability



KDE 8500E

Diesel Generator

- > Single cylinder, air cooled diesel engine
- > High performance
- > High reliability

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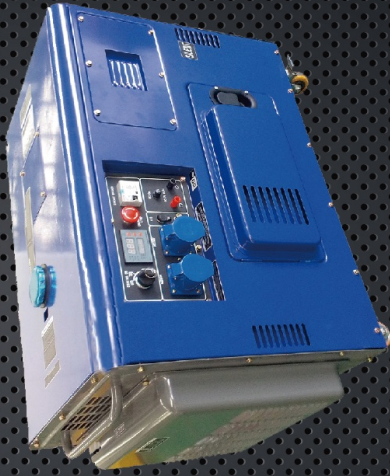
POWER PRODUCTS

- > YAMA Diesel Power
- > Unique and compact design
- > Low fuel consumption
- > Low emission

Model		KDE8500SE\KDE8500E	
Generator	Rated Frequency(Hz)	50	
	Rated Rotation Speed(rpm)	3000	
	DC Output(V.A)	12V,8.3A	
	Rated Voltage(V)	220\380,230\400	
	Rated Output Power(kW)	6.0	
	Max Output Power(kW)	6.5	
	Power Factor cos Φ	1\0.8	
	Phase Number	Single Phase\Three Phases	
	Excitation Transistorized	Self-excitation and constant voltage(with AVR)	
	Structure Type	Fully closed (square canopy)	
	Fuel Tank Capacity(L)	12.5	
	Continuous Running Time (hr)(at Rated Power)	6.5	
	Noise Level(dB@7m)	71	96
	Net Weight(Kg)	195	128
	Overall Dimension (mm)(LxWxH)	1070x540x740	740x630x735
Optional Standard	ATS		
Engine	Engine Model	192 FB	
	Starting System	Electric Starter	
	Engine Type	1-Cylinder,4-Stroke,Air Cooled, Vertical, Diesel Engine	
	BorexStroke(mm)	92*75	
	Displacement(L)	0.499	
	Compression Ratio	19.5:1	
	Rated Power(KW/rpm)	7.6/3000	
	Fuel Consumption(g/KW.h)	275	
	Fuel Type	0#(Summer),-10#(Winter),-35#(Arctic) Diesel Oil	
	Lube Type	SAE10W30(CD grade above)	

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POWER PRODUCTS



KDE12000SE

INDUSTRIAL SERIES

SILENT DIESEL GENERATOR

- V-twin, air-cooled diesel engine
- Canopy for sound reduction
- Steady frequency governing ratio < 3%
- Water oil separator/filter



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 AIR COOLED

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POWER PRODUCTS

- **YAMAHA Diesel Power**
- *Unique and compact design*
- *Low fuel consumption*
- *Low emission*

SPECIFICATIONS

ITEM	MODEL	MODEL
		KDE12000SE
	Frequency(Hz)	50
	Rated power(KVA)	10
	Max.power (KVA)	11
	Rated voltage (A.C)(V)	230
	Rated current (A.C)(A)	43.5
	Speed(r/min)	3000
	Power factor	0.9
	Phase NO	SINGLE
	Pole No	2
	Excitation way	Self-exciting and voltage-costant with AVR
	Insulation	F
	Engine model	R2V840
	Type	V twin, two cylinders, 4-stroke, air cooled
	Bore x stroke (mm)	86x72
	Total displacement(ml)	836
	Cooling system	Forced cooling
	Lubricating way	Pressure& Splash
	Lube oil capacity(L)	2.3
	Starting system	Electric start
	Fuel Diesel	Diesel
	Panel type	General Panel
	Structure type	S: Silent L:open frame
	Noise level (7m) dB	70
	Capacity of fuel tank(L)	21
	Working time at full fuel tank (h)	6
	Gross weight(kg)	245
	Overall dimension(mm)(LxWxH)	1095x640x780
ALTERNATOR		
DIESEL ENGINE		
GENERATOR		

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