

# Powering Tomorrow, Sustainably Today

**STAGE**  
LOW EMISSIONS CERTIFIED



Diesel Generator  
10-200 kw | Stage V Certified



## Empowering a Sustainable Future

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As a leading manufacturer of next-generation energy solutions, CAMPES offers a full range of **Stage V-compliant diesel generators**, spanning from **10 kW to 200 kW**. Built to support the global energy transition, our generators deliver exceptional fuel efficiency and significantly reduced emissions, meeting the strictest environmental standards. From industrial applications to residential backup, CAMPES is dedicated to providing **clean, reliable, and flexible power — anytime, anywhere.**

## EURO Stage V Certified Generator

Our diesel generators deliver reliable, high-performance power engineered for harsh environments. Equipped with electronically controlled engines and 50°C-rated radiators, they ensure optimal fuel efficiency, superior load response, and enhanced reliability—even in extreme heat. Robust SPCC steel housing with a C3M anti-rust coating allows for durable, long-lasting outdoor use. Smart digital controls enable remote monitoring, auto start/stop, and generator synchronization for seamless power management. With plug-and-play installation, these generators offer a user-friendly, hassle-free experience.

<b>WEATHER-PROOF CANOPY</b> 	<b>UP TO 25% SMALLER FOOTPRINT</b> 	<b>STABLE POWER &lt;10 SECONDS</b> 
<b>PLUG &amp; PLAY INSTALLATION</b> 	<b>CIRCUIT BREAKER, WITH RCD 4P</b> 	<b>SCADA INTEGRATION ATS READY</b> 
<b>UP TO 10% SAVINGS OPERATIONAL COSTS</b> 	<b>SERVICE &lt;2 Hrs EVERY 1000 Hrs</b> 	<b>DUAL STAGE AIR FILTER DOUBLE LIFETIME</b> 

# Properties advantages

- **Reliability and Durability:** CAMPES generators are engineered for high performance in demanding environments. With sound insulation and all-around protection, they provide reliable operation through robust engines and premium alternators.
- **Lower Operating and Service Costs:** High fuel efficiency, reduced downtime, and cost-effective spare parts minimize the lifetime running costs of the generator.

## A RELIABILITY AND DURABILITY



### Reliable Engineering

Powered by durable, water-cooled 1500rpm diesel engines from Yangdong, YTO, and Yuchai, equipped with high-performance 50 C radiators, committed to operating even in extreme conditions.



### Premium Alternator

Our brushless, electronically regulated synchronous alternators are built with high-quality copper windings and class H insulation to deliver stable, pure power with a distortion factor  $\leq 5\%$ .



### Robust Construction

Constructed with an IP 23-rated housing, the generators are weatherproof, protecting against dust and water. 360° accessible design guarantees easy maintenance and extends service life.

## B LOWER OPERATING AND SERVICE COSTS



### Exceptional Fuel Efficiency

The electronically controlled engine adjusts fuel injection rates based on load conditions, optimizing fuel consumption and cost-effectiveness.



### Dual-Stage Air Filtration

The dual-stage filtration system protects the engine in dusty environments, enhancing reliable performance and extending engine life.



### Cost-Effective Maintenance

With long maintenance intervals, minimal downtime, and affordable spare parts, these generators are crafted for your savings.

# Properties advantages

- **Built Tough, Easy to handle:** C3M-grade anti-corrosion canopy offers lasting protection in harsh environments. Its compact design makes handling easy and reduces shipping costs.
- **Smart and Easy Control:** The user-friendly control panel provides seamless operation and monitoring. With SCADA integration and ATS compatibility, these generators offer efficient power management.

## C BUILT TOUGH, EASY TO HANDLE



### Advanced Corrosion Protection

The housing is made of durable SPCC steel and coated with a C3M anti-rust treatment, promising longevity in tough conditions.



### Compact and Easy to Transport

With a 25% reduction in size, CAMPES generators are easier to transport and position. For models up to 58KVA, two layers fit in a standard 20ft container, optimizing shipping costs.



### Safe Lifting and Handling

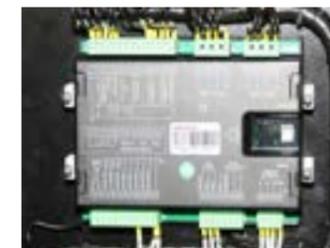
Reinforced lifting points and forklift pockets provide secure handling during transport and installation, ensuring safe and easy setup.

## D SMART AND EASY CONTROL



### User-Friendly Operation

The digital control panel is versatile in use and user-friendly at the same time. Large display screen and operating keys, combined with clear menu navigation, the main focus is on easy and clear operation.



### SCADA Integration

Equipped with an RS485 communication port, the control panel supports SCADA integration. Optional LAN or SIM connectivity allows remote monitoring and control of the generator from any location.



### ATS Ready

With AC connection terminals and an ATS communication port, the generator can be easily integrated into an ATS system for seamless power supply.

# Properties advantages

- **Plug-and-Run:** The dedicated socket compartment, AC connection terminals, and pre-installed maintenance-free battery make setup quick, safe, and hassle-free.
- **Safety and Protection:** CAMPES generators come with built-in safety features, including a 4-pole circuit breaker, emergency stop button, battery isolator and etc., offering reliable protection, rapid shutdown, and safe maintenance.

## E PLUG-AND-RUN



### Sufficient Socket Availability

Equipped with IP44 CEE 230V/400V sockets, CAMPES generators provide ample power connections for various applications on-site.



### AC Connection Terminals

Quick and secure AC connection terminals simplify installation, especially when integrating into an ATS system.



### Pre-Installed Battery

The installed battery, complete with a battery isolator, allows quick generator setup and immediate use right from the start.

## F SAFETY AND PROTECTION



### 4P Circuit Breaker with 30mA RCD

4-pole circuit breaker provides full phase protection, detecting electrical leaks and preventing damage to both personnel and equipment.



### Emergency Stop Button

Easily accessible emergency stop button enables immediate shutdown, ensuring safe operation in any emergency.



### Battery Isolator Switch

Battery isolator secures complete disconnection during maintenance, preventing accidental starts or battery drain during storage.

# Properties advantages

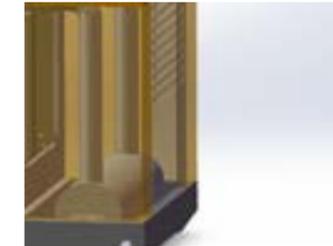
- **Noise Reduction:** Advanced soundproofing, a residential-grade silencer, and optimized airflow minimize noise levels, ensuring compliance with environmental and workplace regulations.
- **Customer Service:** As a service-oriented company, we offer premium support and innovative solutions to drive your success.

## G High-Density Soundproofing



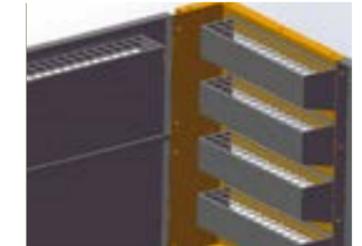
### High-Density Soundproofing

Noise-insulating housing and sound-absorbing materials significantly reduce noise emissions.



### Residential Silencer

High-performance residential silencer significantly decreases exhaust noise, guaranteeing quieter operation in noise-sensitive areas.



### Optimized Airflow

Improved duct design reduces airflow resistance, lowering both noise emissions and internal temperatures for stable, quiet operation.

## H CUSTOMER SERVICE



### Documentation & Spare Parts

Comprehensive after-sales documentation, replacement parts, and accessories are available, making sure you're always well-equipped with the support you need.



### Timely Technical Assistance

CAMPES dedicated technical support team is always ready to provide real-time assistance whenever you need it.



### Customized Product Design

We offer tailored solutions: 24-hour integrated fuel tank, 3-way valve for direct fueling, double-walled tank with 110% spillage catchment and leak sensor. Whatever your needs, we integrate them into your ideal generator.

Electrical Data		KDE14SS3	KDE18SS3	KDE21SS3	KDE40SS3
Rated Frequency	Hz	50	50	50	50
Phase		3 Phase	3 Phase	3 Phase	3 Phase
Rated Voltage	V	230/400	230/400	230/400	230/400
Prime Rated Power (PRP)	kVA / kW	12.5/10	16/12.8	19/15.2	36.3/29
Limited-Time Power (LTP)	kVA / kW	13.8/11	17.6/14.1	20.9/16.7	39.9/31.9
Power Factor cos φ		0.8	0.8	0.8	0.8
Rated Current	Amp	18	23.1	27.4	52.3
Total Harmonic Distortion (THD) No Load < 1.5%, Non-Distorting Linear Load < 5.0%					
Battery		45Ah maintenance-free battery with isolator switch			80Ah maintenance-free with isolator switch
Air Circuit Breaker		4P 20A, with 30mA RCD	4P 25A, with 30mA RCD	4P 32A, with 30mA RCD	4P 63A, with 30mA RCD
AC output		1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A AC Connection Terminals: R+S+T+N			1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 1×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N
Control					
Control Panel Model-standard		SmartGen 4020NC AMF	SmartGen 4020NC AMF	SmartGen 4020NC AMF	SmartGen 6120CAN AMF
Communication Port-standard		RS-485, USB Type-B, ATS communication port	RS-485, USB Type-B, ATS communication port	RS-485, USB Type-B, ATS communication port	RS-485, USB Type-B, ATS communication port
Engine					
Model		Yangdong YD480DE	Yangdong YND485DE	Yangdong YND490DE	YTO YTN4054-53Z
Rated Rotation Speed	rpm	1500	1500	1500	1500
Continued Power	kW	14	17	18.9	37
Number and Arrangement of Cylinders		I4	I4	I4	I4
Bore×Stoke	mm	80×90	85×95	90×95	98×120
Displacement	Liter	1.809	2.156	2.417	3.62
Aspiration		Natural	Natural	Natural	Turbocharged
Injection		Direct Injection with In-line Pump, Mechanical Governor*	Direct Injection with In-line Pump, Mechanical Governor*	Direct Injection with In-line Pump, Mechanical Governor*	High-Pressure Common Rail Direct Injection, ECU-controlled
Cooling		Forced Water Cooling	Forced Water Cooling	Forced Water Cooling	Forced Water Cooling
Starting		Electric, 12V	Electric, 12V	Electric, 12V	Electric, 12V
Firing Order		1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Compression Ratio		(18±0.5):1	(18±0.5):1	(18±0.5):1	(17.5±0.5):1
Valves per Cylinder		2V per Cylinder	2V per Cylinder	2V per Cylinder	2V per Cylinder
Max. Fuel Consumption at Full Load	g/kW.h	≤250	≤247	≤245	≤235
Lub. Oil Capacity	Liter	5	11	11	11
Alternator					
Model		KWISE S164G108B3	KWISE S164G128C4	KWISE S184G16C6	S184G30E12
Rated Power	kVA	14	16	20	38
Insulation Class		H, Temp Rise 125 °C (Ambient 40 °C)			
Degree of Protection		IP23	IP23	IP23	IP23
Excitation, AVR model		Brushless, Self-Excited, SX460			
Winding Pitch, Winding Connection		2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)
Fuel Tank					
Fuel Tank Capacity-standard	Liter	30	30	30	90
Fuel Autonomy at Full Load-standard	Hour	8	8	8	8
Noise Level					
Sound Pressure Level (LpA) (7m)	dB(A)	65~67	65~67	65~67	68~70
Dimensions and Weight					
Dimensions L × W × H	mm	1750×720×960	1750×720×960	1750×720×960	2080×950×1130
Package Dimensions L × W × H	mm	1770×740×980	1770×740×980	1770×740×980	2100×970×1150
Dry Weight	kg	560	592	602	930

Electrical Data		KDE44SS3	KDE51SS3	KDE58SS3	KDE72SS3
Rated Frequency	Hz	50	50	50	50
Phase		3 Phase	3 Phase	3 Phase	3 Phase
Rated Voltage	V	230/400	230/400	230/400	230/400
Prime Rated Power (PRP)	kVA / kW	40/32	46.3/37	52.5/42	65/52
Limited-Time Power (LTP)	kVA / kW	44/35.2	50.9/40.7	57.8/46.2	71.5/57.2
Power Factor cos φ		0.8	0.8	0.8	0.8
Rated Current	Amp	57.7	66.8	75.8	93.8
Total Harmonic Distortion (THD) No Load < 1.5%, Non-Distorting Linear Load < 5.0%					
Battery		80Ah maintenance-free with isolator switch			
Air Circuit Breaker		4P 80A, with 30mA RCD	4P 80A, with 30mA RCD	4P 100A, with 30mA RCD	4P 125A, with 30mA RCD
AC output		1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 1×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N			
Control					
Control Panel Model-standard		SmartGen 6120CAN AMF			
Communication Port-standard		RS-485, USB Type-B, ATS communication port			
Engine					
Model		YTO YTN4059-53Z	YTO YTN4068-53Z	YTO YTN4076-53Z	YTO YTN3092-53
Rated Rotation Speed	rpm	1500	1500	1500	1500
Continued Power	kW	40	45	51	62
Number and Arrangement of Cylinders		I4	I4	I4	I4
Bore×Stoke	mm	98×120	98×120	98×120	95×115
Displacement	Liter	3.62	3.62	3.62	3.26
Aspiration		Turbocharged	Turbocharged	Turbocharged	Turbocharged and Inter-cooled
Injection		High-Pressure Common Rail Direct Injection, ECU-controlled			
Cooling		Forced Water Cooling	Forced Water Cooling	Forced Water Cooling	Forced Water Cooling
Starting		Electric, 12V	Electric, 12V	Electric, 12V	Electric, 12V
Firing Order		1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Compression Ratio		(17.5±0.5):1	(17.5±0.5):1	(17.5±0.5):1	(17.5±0.5):1
Valves per Cylinder		2V per Cylinder	2V per Cylinder	2V per Cylinder	4V per Cylinder
Max. Fuel Consumption at Full Load	g/kW.h	≤235	≤235	≤235	≤235
Lub. Oil Capacity	Liter	11	11	11	14
Alternator					
Model		KWISE S184G32E13	KWISE S224G40B3	KWISE S224G45B4	S224G54C6
Rated Power	kVA	40	50	56	68
Insulation Class		H, Temp Rise 125 °C (Ambient 40 °C)			
Degree of Protection		IP23	IP23	IP23	IP23
Excitation, AVR model		Brushless, Self-Excited, SX460			
Winding Pitch, Winding Connection		2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)
Fuel Tank					
Fuel Tank Capacity-standard	Liter	90	90	90	150
Fuel Autonomy at Full Load-standard	Hour	8	8	8	8
Noise Level					
Sound Pressure Level (LpA) (7m)	dB(A)	68~70	68~70	68~70	68~70
Dimensions and Weight					
Dimensions L × W × H	mm	2080×950×1130	2080×950×1130	2080×950×1130	2500×900×1250
Package Dimensions L × W × H	mm	2100×970×1150	2100×970×1150	2100×970×1150	2520×920×1270
Dry Weight	kg	940	950	960	1231

Electrical Data		KDE83SS3	KDE91SS3
Rated Frequency	Hz	50	50
Phase		3 Phase	3 Phase
Rated Voltage	V	230/400	230/400
Prime Rated Power (PRP)	kVA / kW	75/60	82.5/66
Limited-Time Power (LTP)	kVA / kW	82.5/66	90.8/72.6
Power Factor cos φ		0.8	0.8
Rated Current	Amp	108.3	119.1
Total Harmonic Distortion (THD)		No Load < 1.5%, Non-Distorting Linear Load < 5.0%	
Battery		80Ah maintenance-free with isolator switch	2×80Ah maintenance-free battery with isolator switch
Air Circuit Breaker		4P 125A, with 30mA RCD	4P 160A, with 30mA RCD
AC output		1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 1×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N	1×IP44 CEE 230V 2P+PE 16A 2×IP44 CEE 400V 3P+N+PE 32A 1×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N
<b>Control</b>			
Control Panel Model-standard		SmartGen 6120CAN AMF	
Communication Port-standard		RS-485, USB Type-B, ATS communication port	
<b>Engine</b>			
Model		YTO YTN3104-53	YTO YTN3115-53
Rated Rotation Speed	rpm	1500	1500
Continued Power	kW	70	77
Number and Arrangement of Cylinders		I4	I4
Bore×Stoke	mm	95×115	95×115
Displacement	Liter	3.26	3.26
Aspiration		Turbocharged and Intercooled	
Injection		High-Pressure Common Rail Direct Injection, ECU-controlled	
Cooling		Forced Water Cooling	Forced Water Cooling
Starting		Electric, 12V	Electric, 12V
Firing Order		1-3-4-2	1-3-4-2
Compression Ratio		(17.5±0.5):1	(17.5±0.5):1
Valves per Cylinder		4V per Cylinder	4V per Cylinder
Max. Fuel Consumption at Full Load	g/kW.h	≤235	≤235
Lub. Oil Capacity	Liter	14	14
<b>Alternator</b>			
Model		KWISE S224G64D8	KWISE S224G68D9
Rated Power	kVA	80	85
Insulation Class		H, Temp Rise 125 °C (Ambient 40 °C)	
Degree of Protection		IP23	IP23
Excitation, AVR model		Brushless, Self-Excited, SX460	
Winding Pitch, Winding Connection		2/3, Star(Y)	2/3, Star(Y)
<b>Fuel Tank</b>			
Fuel Tank Capacity-standard	Liter	150	150
Fuel Autonomy at Full Load-standard	Hour	8	8
<b>Noise Level</b>			
Sound Pressure Level (LpA) (7m)	dB(A)	68~70	68~70
<b>Dimensions and Weight</b>			
Dimensions L × W × H	mm	2500×900×1250	2500×900×1250
Package Dimensions L × W × H	mm	2520×920×1270	2520×920×1270
Dry Weight	kg	1251	1311

Electrical Data		KDE69SS3	KDE80SS3	KDE88SS3	KDE115SS3
Rated Frequency	Hz	50	50	50	50
Phase		3 phase	3 phase	3 phase	3 phase
Rated Voltage	V	230/400	230/400	230/400	230/400
Prime Rated Power (PRP)	kVA / kW	63/50	75/60	80/64	100/80
Limited-Time Power (LTP)	kVA / kW	69/55	80/64	88/70	110/88
Power Factor cos φ		0.8	0.8	0.8	0.8
Rated Current	Amp	91	108	115	144
Total Harmonic Distortion (THD)		No Load < 1.5%, Non-Distorting Linear Load < 5.0%			
Battery		2×60Ah maintenance-free battery			
Air Circuit Breaker		4P 100A, with 30mA RCD	4P 125A, with 30mA RCD	4P 160A, with 30mA RCD	4P 160A, with 30mA RCD
AC output		1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 1×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N	1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 1×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N	1×IP44 CEE 230V 2P+PE 16A 2×IP44 CEE 400V 3P+N+PE 32A 1×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N	1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N
<b>Control</b>					
Control Panel Model-standard		SmartGen 6120CAN AMF			
Communication Port-standard		RS-485, USB Type-B, ATS communication port			
<b>Engine</b>					
Model		YUCHAI YCA0595-GS50	YUCHAI YCA05110-GS50	YUCHAI YCA05120-GS50	YUCHAI YCA05140-GS50
Rated Rotation Speed	rpm	1500	1500	1500	1500
Continued Power	kW	64	74	80	95
Number and Arrangement of Cylinders		I4	I4	I4	I4
Bore×Stoke	mm	108×132	108×132	108×132	108×132
Displacement	Liter	4.84	4.84	4.84	4.84
Aspiration		Turbocharged and Intercooled			
Injection		High-Pressure Common Rail Direct Injection, ECU-controlled			
Cooling		Forced Water Cooling	Forced Water Cooling	Forced Water Cooling	Forced Water Cooling
Starting		Electric, 12V	Electric, 12V	Electric, 12V	Electric, 12V
Firing Order		1-3-4-2	1-3-4-2	1-3-4-2	1-3-4-2
Compression Ratio		(16.5±1):1	(16.5±1):1	(16.5±1):1	(16.5±1):1
Valves per Cylinder		2V per Cylinder	2V per Cylinder	2V per Cylinder	2V per Cylinder
Max. Fuel Consumption at Full Load	g/kW.h	≤215	≤215	≤215	≤215
Lub. Oil Capacity	Liter	17	17	17	17
<b>Alternator</b>					
Model		KWISE S224G50C5	KWISE S224G64D8	KWISE S224G68D9	KWISE S274G80B1
Rated Power	kVA	63	80	85	100
Insulation Class		H, Temp Rise 125 °C (Ambient 40 °C)			
Degree of Protection		IP23	IP23	IP23	IP23
Excitation, AVR model		Brushless, Self-Excited, SX460			
Winding Pitch, Winding Connection		2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)
<b>Fuel Tank</b>					
Fuel Tank Capacity-standard	Liter	130	150	162	193
Fuel Autonomy at Full Load-standard	Hour	8	8	8	8
<b>Noise Level</b>					
Sound Pressure Level (LpA) (7m)	dB(A)	69~71	69~71	69~71	69~71
<b>Dimensions and Weight</b>					
Dimensions L × W × H	mm	2800×930×1420	2900×930×1420	2900×930×1420	2800×930×1420
Package Dimensions L × W × H	mm	2820×950×1440	2920×950×1440	2920×950×1440	2820×950×1440
Dry Weight	kg	1483	1543	1563	1598

Electrical Data		KDE125SS3	KDE150SS3	KDE165SS3	KDE170SS3
Rated Frequency	Hz	50	50	50	50
Phase		3 phase	3 phase	3 Phase	3 Phase
Rated Voltage	V	230/400	230/400	230/400	230/400
Prime Rated Power (PRP)	kVA / kW	113/90	138/110	150/120	150/120
Limited-Time Power (LTP)	kVA / kW	125/100	150/120	165/132	165/132
Power Factor cos φ		0.8	0.8	0.8	0.8
Rated Current	Amp	163	199	217	217
Total Harmonic Distortion (THD) No Load < 1.5%, Non-Distorting Linear Load < 5.0%					
Battery		2×60Ah maintenance-free battery with isolator switch		2×80Ah maintenance-free battery with isolator switch	
Air Circuit Breaker		4P 250A, with 30mA RCD			
AC output		*1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N*	*1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N*	*1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N*	*1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N*
Control					
Control Panel Model-standard		SmartGen 6120CAN AMF			
Communication Port-standard		RS-485, USB Type-B, ATS communication port			
Engine					
Model		YUCHAI YCA05165-GS50	YUCHAI YCA05190-GS50	YUCHAI YCA05210-GS50	YUCHAI YCA08215-GS50
Rated Rotation Speed	rpm	1500	1500	1500	1500
Continued Power	kW	110	125	140	145
Number and Arrangement of Cylinders		I4	I4	I4	I6
Bore×Stoke	mm	108×132	108×132	108×132	110×132
Displacement	Liter	4.84	4.84	4.84	7.525
Aspiration Turbocharged and Intercooled					
Injection		High-Pressure Common Rail Direct Injection, ECU-controlled			
Cooling		Forced Water Cooling	Forced Water Cooling	Forced Water Cooling	Forced Water Cooling
Starting		Electric, 12V	Electric, 12V	Electric, 12V	Electric, 12V
Firing Order		1-3-4-2	1-3-4-2	1-3-4-2	1-5-3-6-2-4
Compression Ratio		(16.5±1):1	(16.5±1):1	(16.5±1):1	(16.5±1):1
Valves per Cylinder		2V per Cylinder	2V per Cylinder	2V per Cylinder	4V per Cylinder
Max. Fuel Consumption at Full Load	g/kW.h	≤215	≤215	≤215	≤215
Lub. Oil Capacity	Liter	17	17	17	21
Alternator					
Model		KWISE S274G90B2	KWISE S274G112C4	KWISE S274G120C5	KWISE S274G120C5
Rated Power	kVA	113	140	150	150
Insulation Class		H, Temp Rise 125 °C (Ambient 40 °C)			
Degree of Protection		IP23	IP23	IP23	IP23
Excitation, AVR model		Brushless, Self-Excited, SX460			
Winding Pitch, Winding Connection		2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)
Fuel Tank					
Fuel Tank Capacity-standard	Liter	225	255	285	295
Fuel Autonomy at Full Load-standard	Hour	8	8	8	8
Noise Level					
Sound Pressure Level (LpA) (7m)	dB(A)	69~71	69~71	69~71	69~71
Dimensions and Weight					
Dimensions L × W × H	mm	2900×930×1420	3000×930×1420	3000×930×1420	3250×1300×1565
Package Dimensions L × W × H	mm	2920×950×1440	3020×950×1440	3020×950×1440	3270×1320×1585
Dry Weight	kg	1632	1695.5	1720.5	2294

Electrical Data		KDE188SS3	KDE200SS3	KDE225SS3	KDE250SS3
Rated Frequency	Hz	50	50	50	50
Phase		3 Phase	3 Phase	3 Phase	3 Phase
Rated Voltage	V	230/400	230/400	230/400	230/400
Prime Rated Power (PRP)	kVA / kW	175/140	188/150	200/160	230/184
Limited-Time Power (LTP)	kVA / kW	188/150	200/160	225/180	250/200
Power Factor cos φ		0.8	0.8	0.8	0.8
Rated Current	Amp	253	271	289	332
Total Harmonic Distortion (THD) No Load < 1.5%, Non-Distorting Linear Load < 5.0%					
Battery		2×80Ah maintenance-free with isolator switch			
Air Circuit Breaker		4P 400A, with 30mA RCD			
AC output		*1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N*	*1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N*	*1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N*	*1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N*
Control					
Control Panel Model-standard		SmartGen 6120CAN AMF			
Communication Port-standard		RS-485, USB Type-B, ATS communication port			
Engine					
Model		YUCHAI YCA08245-GS50	YUCHAI YCA08260-GS50	YUCHAI YCA08285-GS50	YUCHAI YCA08315-GS50
Rated Rotation Speed	rpm	1500	1500	1500	1500
Continued Power	kW	165	175	190	210
Number and Arrangement of Cylinders		I6	I6	I6	I6
Bore×Stoke	mm	110×132	110×132	110×132	110×132
Displacement	Liter	7.525	7.525	7.525	7.525
Aspiration Turbocharged and Intercooled					
Injection		High-Pressure Common Rail Direct Injection, ECU-controlled			
Cooling		Forced Water Cooling	Forced Water Cooling	Forced Water Cooling	Forced Water Cooling
Starting		Electric, 12V	Electric, 12V	Electric, 12V	Electric, 12V
Firing Order		1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4	1-5-3-6-2-4
Compression Ratio		(16.5±1):1	(16.5±1):1	(16.5±1):1	(16.5±1):1
Valves per Cylinder		4V per Cylinder	4V per Cylinder	4V per Cylinder	4V per Cylinder
Max. Fuel Consumption at Full Load	g/kW.h	≤215	≤215	≤215	≤215
Lub. Oil Capacity	Liter	21	21	21	21
Alternator					
Model		KWISE S274G140C7	KWISE S274G150D8	KWISE S274G160D9	KWISE S274G200E11
Rated Power	kVA	175	188	200	250
Insulation Class		H, Temp Rise 125 °C (Ambient 40 °C)			
Degree of Protection		IP23	IP23	IP23	IP23
Excitation, AVR model		Brushless, Self-Excited, SX460			
Winding Pitch, Winding Connection		2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)	2/3, Star(Y)
Fuel Tank					
Fuel Tank Capacity-standard	Liter	335	355	385	425
Fuel Autonomy at Full Load-standard	Hour	8	8	8	8
Noise Level					
Sound Pressure Level (LpA) (7m)	dB(A)	69~71	69~71	69~71	69~71
Dimensions and Weight					
Dimensions L × W × H	mm	3250×1300×1565	3300×1300×1565	3300×1300×1565	3500×1300×1565
Package Dimensions L × W × H	mm	3270×1320×1585	3320×1320×1585	3320×1320×1585	3520×1320×1585
Dry Weight	kg	2349	2374	2414	2489

Electrical Data		KDE275SS3
Rated Frequency	Hz	50
Phase		3 Phase
Rated Voltage	V	230/400
Prime Rated Power (PRP)	kVA / kW	250/200
Limited-Time Power (LTP)	kVA / kW	275/220
Power Factor cos φ		0.8
Rated Current	Amp	361
Total Harmonic Distortion (THD)		No Load < 1.5%, Non-Distorting Linear Load < 5.0%
Battery	H	2×80Ah maintenance-free with isolator switch"
Air Circuit Breaker		4P 400A, with 30mA RCD
AC output		"1×IP44 CEE 230V 2P+PE 16A 1×IP44 CEE 400V 3P+N+PE 32A 2×IP44 CEE 400V 3P+N+PE 63A AC Connection Terminals: R+S+T+N"
Control		
Control Panel Model-standard		SmartGen 6120CAN AMF
Communication Port-standard		RS-485, USB Type-B, ATS communication port
Engine		
Model		YUCHAI YCA08350-GS50
Rated Rotation Speed	rpm	1500
Continued Power	kW	235
Number and Arrangement of Cylinders		I6
Bore×Stoke	mm	110×132
Displacement	Liter	7.525
Aspiration		Turbocharged and Intercooled
Injection		"High-Pressure Common Rail Direct Injection, ECU-controlled"
Cooling		Forced Water Cooling
Starting		Electric, 12V
Firing Order		1-5-3-6-2-4
Compression Ratio		(16.5±1):1
Valves per Cylinder		4V per Cylinder
Max. Fuel Consumption at Full Load	g/kW.h	≤215
Lub. Oil Capacity	Liter	21
Alternator		
Model		KWISE S274G200E11
Rated Power	kVA	250
Insulation Class		H, Temp Rise 125 °C (Ambient 40 °C)
Degree of Protection		IP23
Excitation, AVR model		Brushless, Self-Excited, SX460
Winding Pitch, Winding Connection		2/3, Star(Y)
Fuel Tank		
Fuel Tank Capacity-standard	Liter	475
Fuel Autonomy at Full Load-standard	Hour	8
Noise Level		
Sound Pressure Level (LpA) (7m)	dB(A)	69-71
Dimensions and Weight		
Dimensions L × W × H	mm	3500×1300×1565
Package Dimensions L × W × H	mm	3520×1320×1585
Dry Weight	kg	2489



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