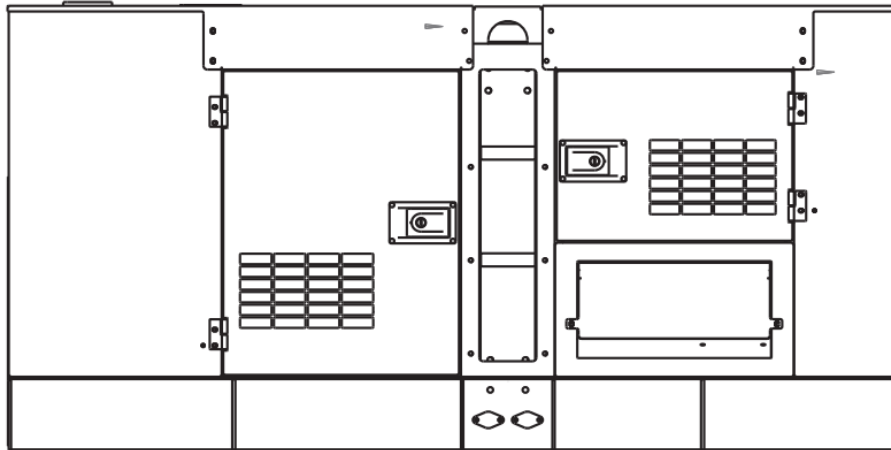


SPECIALIZED POWER ECONOMY SERIES

DIESEL GENERATOR SET

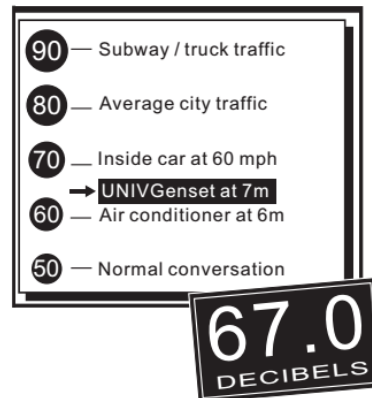
28kW | 40kW



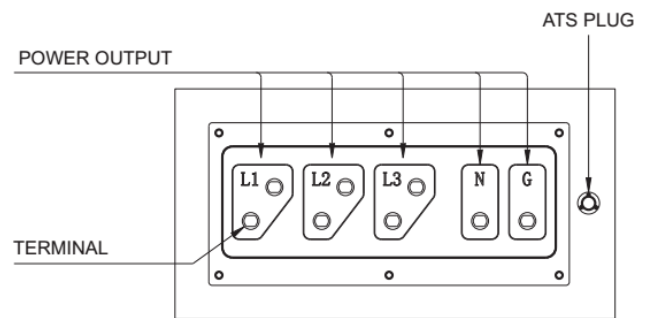
STANDARD FEATURES

- Heavy duty, 4-cycle, variable speed fan, diesel engine provides maximum reliability.
- Brushless alternator reduces service and maintenance requirements. Class H protection.
 - Open delta alternator design provides virtually unlimited excitation for maximum motor starting capability.
 - Automatic voltage regulator (AVR) provides precise regulation.
- Electronic governor system maintains frequency to $\pm 0.25\%$.
- Full load acceptance of standby nameplate rating in one step
- Soundproof, weather resistant, steel housing provides operation at 67dB (A) at 7meters. Fully lockable enclosure allows safety operation. Outdoor operation available.
- Internal fuel tank with direct observing glass, and fuel level meter display on control panel
- E-coat and powder coat paint provides durability and weather protection.
- Digital engine gauges including oil pressure, water temperature, battery volts, engine speed, and fuel level.
- Analog generator instrumentation including Ampere meter, Voltage meter, frequency meter, ammeter phase selector switch, voltmeter phase selector switch. Analog generator instrumentation and regulator adjustment.
- Deepsea/Comap professional generator controller.
 - High visibility LCD display with heated screen and alphanumeric readout.
 - IP65 Protection standard, operational temperature range of -40° to 85° C.
 - Modbus interface for gauge panel and expansion options.
 - DPF cleaningcycle indication.
 - Log record for inspection
- Automatic safety shutdown system monitors the water temperature, engine oil pressure, low coolant, low DEF, overspeed, and overcrank. Warning lights indicate abnormal conditions.
- Fuel/water separator. Removes condensation from fuel for extended engine life.
- Emergency stop switch — when manually activated, shuts down in any emergency.

SILENT SERIES



GENERATOR OUTPUT PANEL



28kW Standby Output | 25kW Prime Power

SPECIFICATIONS

Generator Specifications	
Standby Output	28 KW (28 KVA)
Prime Output	25 KW (25 KVA)
Power Factor	1.0
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	60 Hz
No. of Poles	4
Excitation	Brushless with AVR
Frequency Regulation: No Load to Full Load	Isochronous under varying loads from no load to 100% rated load
Frequency Regulation: Steady State	±0.25% of mean value for constant loads from no load to full load.
Insulation	Class H
Sound Level dB(A) Full load at 7M	65

Engine Specifications	
Make / Model	FAW/ 4DW92-42D
Emissions	/
Starting System	Electrical start
Design	4 cylinder ,4-cycle, water cooled, direct injection, Turcharged inner cooling
Displacement	2.54 Liters
No. cylinders	4
Bore x Stroke	90*100mm
Gross Engine Power Output	45.5hp (34 kW)
Compression Ratio	17:1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	2.11 gallons (8 liters)
Coolant Capacity	5.55 gallons (21 liters)
Battery	12V 60Ah x 1

Fuel System	
Fuel Tank Capacity	18.4 gallons (70 liters)
Fuel Consumption	L / h
At full load	6.5
At 3/4 load	5.8
At 1/2 load	4.6
At 1/4 load	3.7

Alternator	
Alternator Brand	KWISE
Alternator Model	KAL184E3
Excitation	Brushless, Self-Excited system
Capacity(KVA)	28 kva
Power(KW)	28 kw
Efficiency(%)	83.7%
Insulation class	Class H
Protection class	Ip23
Steady state voltage regulation	±1%
Voltage control	AVR

Control system	
Controller Brand	DEESEA
Model	DSE4520
Module	Manual/Auto start/stop module
Standard function	Engine control
	Generator monitoring
	Generator protection
	Specification
Display	Frequency
	Battery voltage
	Running hour
Warning/shutdown	under/over voltage
	under/over speed
	under/over frequency
	Low oil pressure
Communication port	High water temperature
	USB

WARRANTY*

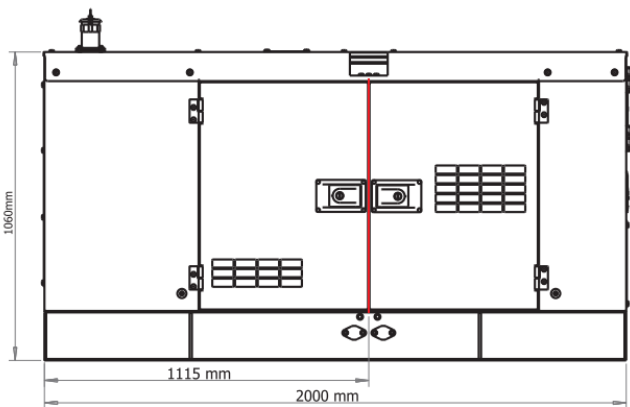
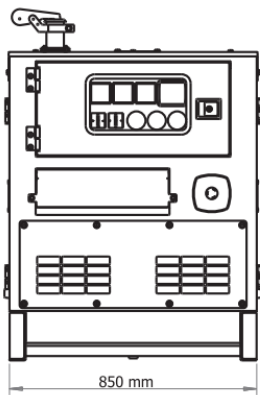
Generator

12 months from date of purchase or 1000 running hours (whichever occurs first).

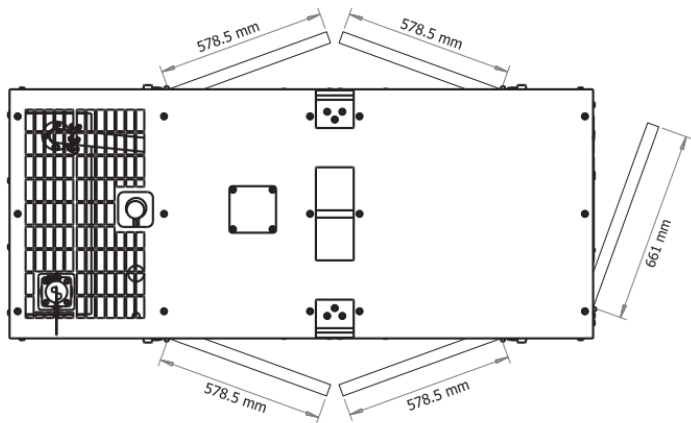
NOTICE

Enough Air flow is extremely important to Generator operation.
Improper connection can cause electrocution and/or property damage.
Do not connect to any electrical system except through an approved device.
Specifications are subject to change without notice.

28kW Standby Output | 25kW Prime Power



Weight	
Dry Weight	900 kg
Wet Weight	1,032 kg
Max. Lifting Point Capacity	2,064 kg



40kW Standby Output | 35kW Prime Power

SPECIFICATIONS

Generator Specifications	
Standby Output	40 KW (40KVA)
Prime Output	35 KW (35KVA)
Power Factor	1.0
Voltage Regulation (No load to full load)	±0.5%
Generator RPM	1800
Frequency	60 Hz
No. of Poles	4
Excitation	Brushless with AVR
Frequency Regulation: No Load to Full Load	Isochronous under varying loads from no load to 100% rated load
Frequency Regulation: Steady State	±0.25% of mean value for constant loads from no load to full load.
Insulation	Class H
Sound Level dB(A) Full load at 7M	67

Fuel System	
Fuel Tank Capacity	18.4 gallons (70 liters)
Fuel Consumption	L / h
At full load	12.5
At 3/4 load	11.2
At 1/2 load	10.3
At 1/4 load	9.8

Control system	
Controller Brand	DEEPSEA
Model	DSE4520
Module	Manual/Auto start/stop module
Standard function	Engine control
	Generator monitoring
	Generator protection
	Specification
Display	Frequency
	Battery voltage
	Running hour
Warning/shutdown	under/over voltage
	under/over speed
	under/over frequency
	Low oil pressure
	High water temperature
Communication port	USB

Engine Specifications	
Make / Model	FAW/ 4DX21-61D
Emissions	/
Starting System	Electrical start
Design	4 cylinder, 4-cycle, water cooled, direct injection, Turcharged
Displacement	3.86 Liters
No. cylinders	4
Bore x Stroke	102*118mm
Gross Engine Power Output	67hp (50 kW)
Compression Ratio	17.5:1
Engine Speed	1800 rpm
Overspeed Limit	2070 rpm
Oil Capacity	3.43 gallons (13 liters)
Coolant Capacity	5.55 gallons (21 liters)
Battery	24V 60Ah x 1

Alternator	
Alternator Brand	KWISE
Alternator Model	KAL184H5
Excitation	Brushless, Self-Excited system
Capacity(KVA)	36 kva
Power(KW)	36 kw
Efficiency(%)	83.8%
Insulation class	Class H
Protection class	Ip23
Steady state voltage regulation	± 1%
Voltage control	AVR

WARRANTY*

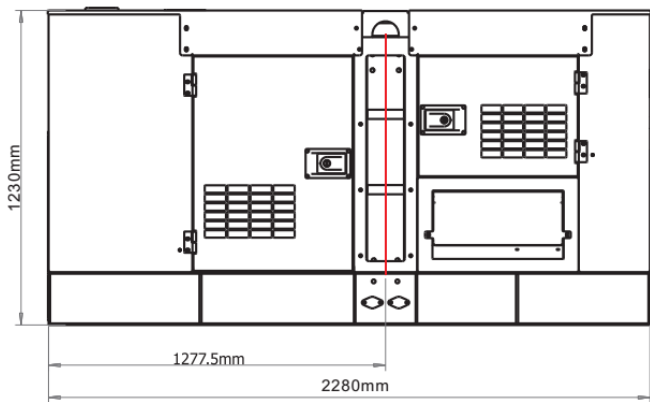
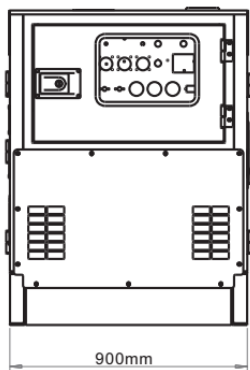
Generator

12 months from date of purchase or 1000 running hours (whichever occurs fi

NOTICE

Enough Air flow is extremely important to Generator operation. Improper connection can cause electrocution and/or property damage. Do not connect to any electrical system except through an approved device. Specifications are subject to change without notice.

35kW Standby Output | 40kW Prime Power



Weight	
Dry Weight	1,200 kg
Wet Weight	1,332 kg
Max. Lifting Point Capacity	2,664 kg

