





AKSA Power Generation has been producing industrial generator sets with an innovative compact design and excellence in quality for over **30 years**. AKSA has been providing reliable power through three main production plants and over 15 branch offices worldwide.

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General Character	istics				
Model Name	AP103-6		Frequency / PF	60Hz, 1800	rpm, 0.8pf
Engine Make & Mode	el Perkins 1104	1A-44TG2	Alternator Make	Stamford	
Control Panel Model	DSE 6020		Base Frame / Enclosure	AKSA AK40	
Genset Rating – 60Hz, 1800rpm, 0.8pf					
Engine	Alternator	Voltage	Standby Power	Prime Power	Standby Current
	UCI224F	480 / 277V	103kVA	93kVA	123 A
	UCI274C	380 / 222V	103kVA	93kVA	156 A
1104A-44TG2	UCI224G	220 / 127V	103kVA	93kVA	270 A
	UCI224G	208 / 120V	103kVA	93kVA	285 A
Stand-by Power (Maximum). Power available at variable lo	ad in the event of mai	n power network failure. No over	load is permitted	

Stand-by Power (Maximum): Power available at variable load in the event of main power network failure. No over load is permitted. Prime Power: Power available at variable load in lieu of a main power network. Overload of 10% is permitted for 1 hour in every 12 hours of operation. The above ratings represent the engine performance capabilities to conditions specified in accordance with ISO 8528/5 & ISO3046. **Derating may be required for conditions outside of the test conditions.**

Codes & Standards

The Generator set is designed and manufactured in a facility certified to ISO9001 standards.

The Generator set is designed and manufactured in a facility certified to ISO14001:2015 standards.

AKSA Power Generation provides single source responsibility for the generator set & accessories.

The generator set, with its components, are **prototype tested** and **production tested**



AKSA POWER GENERATION

AP103-6

DIESEL GENERATING SETS

40 IPESA

AKSA POWER GENERATION

AP103-6



Alternator Data		Controller Data		
Manufacturer	Stamford	Manufacturer	DSE	
Standards	BS EN 60034	Model	6020	
Control System	Self Excited	Туре	Auto Mains Failure Control	
A.V.R.	AS440			
Voltage Regulation	\pm 1 %	Controller Features & Benefits		
Insulation System	Class H	Microprocessor controlled		
Protection	IP23	License free PC Software		
Rated Power Factor	0.8	IP65 rating offers increased resistan	ace to water ingress	
Stator Winding	Double Layer Concentric	Front Panel Editing		
Winding Pitch	Two Thirds	Event log		
Winding Leads	12	Back-lit icon LCD display		
Telephone Interference	THF < 2 %	LED and LCD alarm indication		
Waveform Distortion	No Load < 1.5 %	Power save mode		
Maximum Over speed	2250 rev/min	PC and front panel configuration	ňoc	
		Configurable timers and alarms	105	
Battery Charger & Electrica		Alternative configuration		
Manufacturer	AKSA	Three phase generator monitoring		
Model	SmartGen BACo6A	Current monitoring and protection		
Input Voltage	100V ~ 250V AC	Power monitoring (kW, kVA, kVAr)		
Output Voltage / Current	13,8V DC / 6A	Reverse power (kW & kVAr) protect	ion	
Jacket Water Heater Data		Three phase utility monitoring		
Manufacturer	AKSA	Test feature		
Model	HTR1000W 100-120F	Battery voltage monitoring		
Input Voltage	1 ph, Based on gen voltage	Hours counter		
Power	1000W	Comprehensive warning or shutdow	vn on fault condition	

A KSA POWER GENERATION	P103-6
GIND GENERATION	
	Enclosure Features
	✓ Heavy Duty Steel Structure
	✓ E-Stop on Enclosure
7	✓ Control Panel Eliminated from Engine Vibrations
	✓ Control Panel Window
	✓ Plastic Covered Corrosion Resistant Locks & Hinges
3	✓ Internally Mounted Exhaust System with RainCap
	✓ Coolant Fill Cap
5	✓ Enclosure Top Lifting Hooks
	✓ Base Fuel Tank
	✓ Easy Access for Maintenance
	✓ Sound Absorb High Density Foam
Open Skid Gen-Set Dimensions	
Length 2150 mm	
Width 1050 mm	
Height 1460 mm	

Tank Capacity

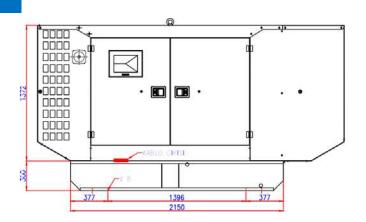
Dry Weight

Enclosed Gen-Set Dimensions

1040 kg

240 L

Length	3100 mm
Width	1113 mm
Height	1741 mm
Dry Weight	1380 kg
Tank Capacity	240 L
Sound Pressure @ 7 meters	66 dB(A)



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DIESEL

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AP103-6



GENERATING SETS

DIESEL

CINDC GENERATION	
Standard Features & Accessories	Optional Accessories
✓ Heavy Duty Steel Base Frame	□ Main Line CB (3 / 4 Poles)
✓ Integral Fuel Tank, Single Wall	D PMG
✓ Fuel Drain Plug	□ Anti-condensation Heater
✓ Control Panel Window	□ Single wall fuel tank – 24hours capacity
✓ Engine Jacket Water Heater	Double wall fuel tank
✓ Battery and Battery Rack	□ Fuel Level Display & Alarm on Controller
✓ Battery Charger	□ Low / High Fuel Alarms
✓ Radiator fill cap on enclosure	Fuel Water Separator Filter
✓ Anti Vibration Pads between Engine/Alternator & Base Frame	Auto Fuel Fill Control System
✓ Residential Grade Silencer Inside Enclosure	Oil Temperature Display on Controller
✓ Industrial Grade Silencer Set for Open Skid Sets	Manual Speed Adjust Rheostat
✓ Sound Absorb Foam for Enclosure	Manual Voltage Adjust Rheostat
✓ Air Inlet & Outlet Rodent Guards	Remote Annunciator Panel
✓ Oil Drain Valve	Remote Control & Monitoring Panel
✓ Coolant Drain Valve	Advanced SMS Messaging
✓ Flex Fuel Lines	Control Panel Heater
✓ Air Filter Restriction Gauge	Battery Disconnect Switch
✓ Engine Manifold Cover	Battery Heater
✓ Turbocharger Cover	□ 10A Battery Charger
✓ Protection Covers for Rotating Parts	□ Battery Charge Ammeter
✓ Exhaust Insulation Cover	□ Tool Kit for Maintenance
✓ Control Panel Window	Dever Plug Outlet Kit
✓ Operations Manual	□ Automatic Transfer Panel (ATS) – Contactor Design
✓ 24 Months / 2000 hours Limited Standby Warranty	□ Automatic Transfer Panel (ATS) – Changeover Design
*Manufacturer reserves the right to make changes in model technical	specifications color equipment and accessories without prior notice

*Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

SEDE PRINCIPAL:

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