

**Technical Specification:**

**Environment Friendly Genset**

<b>Generator</b>		
<b>FREQUENCY</b>		50 Hz
<b>PHASE</b>		SINGLE
<b>AC OUTPUT</b>	MAXIMUM POWER	5 KVA
	RATED POWER	4 KVA
	RATED VOLTAGE	220 V
	RATED CURRENT	17.4 A
	VOLTAGE REGULATION SYSTEM	CAPACITOR
<b>ENGINE</b>		
<b>MAKE</b>		Lombardini
<b>MODEL</b>		LD 440
<b>BORE (MM)</b>		86
<b>STROKE (MM)</b>		76
<b>NO. OF CYLINDERS</b>		1
<b>ENGINE RATING* (KW/HP @3600 )</b>		8.1/11
<b>STARTER</b>		ELECTRIC START

<b>COMBUSTIBLE CYCLE</b>		4-STROKE
<b>RPM</b>		3000
<b>DISPLACEMENT CM3</b>		442
<b>LUBER OIL CONSUMPTION (KG./H)</b>		0.0048
<b>LUBR. OIL SUMP CAPACITY</b>		1.5LTRS
<b>COOLING TYPE</b>		AIR COOLED
<b>LOW LUBE OIL PROTECTION</b>		YES
<b>FUEL</b>		DIESEL
<b>CONTROL PANEL</b>		
<b>PILOT LAMP</b>		YES
<b>AC</b>	OUTPUT	PLUG SOCKET
	CICR	PLUG SOCKET
	CIRCUIT PROTECTOR	YES
<b>DC</b>	OUTPUT	OPTIONAL
<b>OTHER SPECIFICATIONS</b>		
<b>DIMENSIONS LxWxH (EXCLUDING GRAB RAILS)</b>		1100 x 750 x 900 MM(APPROX.)

<b>DRY WEIGHT</b>		235 KG.(APPROX.)
<b>FUEL TANK CAPACITY</b>		20 LTR

### **Diesel Generator Sets**

<b>DG SET</b>	<b>Model</b>	<b>30K-3KSWTC105</b>
	RATING (KVA)	30
	Rated kW	24
	Rated Current (Amps)	42
	LengthxwidthxHeight(mm)	2600x1250x1600
	Total Dry Weight(Kgs)	1125
<b>ENGINE</b>	Make	KAYTEE
	Model	3KSWTC105
	BHP	46
	No. of Cylinders	3
	RPM	1500
	Bore(mm)	105
	Stroke(mm)	125
	Displacement(ltrs)	3.25
	Compression ratio	16:01
	SFC (gms/BHP-hr)	158
	Governor	Mech
	Class of Governing	A
	Aspiration	TC

Air filter	Dry Type
Fuel	HSD
Type of oil	20W/40W
Oil sump capacity(ltrs)	8
Lub Oil consumption (gms/BHP-hr)	1.2
Cooling	WC / Radiator / Force Cooled
Bare Radiator water capacity(ltrs)	7
Water Capacity with engine Jacket(ltrs)	9
Engine Dry Weight(Kgs)	395
Electric Starting System	12V/24V

**ALTERNATOR**

Make	KEC
Model	4AB180M1
Type	Brushless
Rating(KVA)	30
Voltage(V)	415
No. of Phases	3
Power Factor	0.8
Speed (rpm) / Frequency (Hz)	1500/50
Voltage Regulation	
Enclosure	SPDP
Insulation class	H

	Weight of ACG (Kgs)	210
<b>CONTROL PANEL</b>	Type	INBUILT
	Metering	Voltmeter, Ammeter, Frequency Meter, RPM Meter, Hour Meter(kW, kWh Meters Optional Upto 63 kVA
	Guages	Fuel Level Indicator, Lub Oil Pressure, Water Temperature, Oil Temperature
	Functions	Start/Stop
	Protection	Short Circuit, Over Load,
	Safeties	Low Lub Oil Pressure, High Water Temperature, Auto Shutdown, Visual&Audio Alarm Against Fault
<b>BATTERY</b>	Make	Exide
	Type	Dry Type
	Rating(AH)	95
	Quantity(Nos.)	1 or 2
	Charging Facility	Charging Alternator
	Battery Metering	Ammeter
<b>EXHAUST SYSTEM</b>	Silencer type	Residential
	location	TOP
	Exhaust pipe size(inches)	3"
<b>FUEL TANK</b>	Type	INBUILT
	Capacity (Liters)	90
<b>CANOPY</b>	Type	BOLTED
	Sheetmetal	CRCA
	Draft	NATURAL
	Insulation	FOAM/ROCK WOOL

	Noise level at 1 m	LESS THAN 75 DB
<b>OTHER ITEMS</b>	Base frame	Pressed CRCA Channel
	AVMs Qty(Nos.)	5
	Emergency stop	YES
	Internal Lights	YES

### **Environment Friendly Genset**

<b>Genset Model</b>	<b>Engine Model</b>	<b>Colling</b>	<b>Maximum Recommended Genset kVA (KW) Rating</b>	<b>Dimensions L x W x H (in mm)</b>	<b>Approx Wt. (Kg)</b>
SE KG 2.5 WS	AV1XL	Liquid	2.5 (2.0)	1575 x 820 x 1600	700
SE KG 5 AS	EA 10	Air	5.0(4.0)	1575 x 820 x 1600	800
SE KG 7.5 WS	EW14	Liquid	7.5(6.0)	1850 x 800 x 1060	900
SE KG 10 AS	EA 20	Air	10.0(8.0)	1750 x 820 x 1600	925
SE KG 15 WS	EW 28	Liquid	15.0(12.0)	2190 x 950 x 1500	925
Se KG 20 WS	EW 28	Liquid	20.0(16.0)	2190 x 950 x 1500	925

- With UV resistant powder coating, can withstand extreme environments
- Use of stainless steel hardware
- Insulation material meets exacting IS 8183 specs for better attenuation