

# KMA550

ISO9001:2015, ISO14001:2015, CE, ISO8528, ISO3046, IEC34

## GENERATOR

Prime power (kVA/kW) as ISO8528		500/400
Standby power (kVA/kW) as ISO8528		550/440
Rate voltage (V)		380/220;400/230
Speed (Rpm)		1500
Rated current: approx (A)		~ 755
Circuit breaker capacity (A)		800
Phase No.		3
Frequency (Hz)		50
P.F		0.8
Fuel		Diesel
	100%	≤ 110
Fuel consumption (L/h)	75%	≤ 85
	50%	≤ 56
Fuel tank capacity (L)		~ 910
Dimension LxWxH (mm)		~ 4.400x 1.600x 2.250 mm
Weight (KG)		~ 4200 KG

## ENGINE

Brand		KUMA
Model		KM6L470
Engine type		Diesel,4 stoke, 6-L Cylinder
Prime/ Standby power (KW)		450/470
Bore x Stroke (mm)		130x163
Speed regulation (%)		±1
Displacement (L)		13
Cylinder arrangement		6-L
Compression ratio		17:1
Aspiration		Turbocharged, Intercooler
Governor		Electric
Injection		Common rail
Cooling type		Radiator & Fan
Starting motor (Vdc)		24
Oil capacity (L)		45.42
Coolant capacity (L)		23.1

## ALTERNATOR

Brand		KUMA
Model		KM354C
Prime/ Standby power (kVA)		500/550
Type		Brushless, Sefl-excited
Voltage regulator		AVR
Voltage regulation		±1
Mechanical protection class		IP23
Insulation class		H
No Of Phase/Pole		3/4
Cooling		Air-cooled
(Cos φ)		0.8
Bearing		Single



## BASE FRAME | CANOPY

- Noise level lower 80±5 dB at 7m
- Durable enclosure & base frame made from ≥2mm plate steel, powder-coated for heat, moisture, and corrosion resistance
- Fire-retardant insulation helps reduce noise
- User-friendly doors with viewing windows and secure locks, allowing quick access for operation, inspection, and maintenance
- Advanced anti-vibration mounts ensure stable and quiet performance
- Outdoor & weatherproof canopy type

## CONTROL SYSTEM

Brand		KUMA
Model		KM6010
Type		Digital
Display		LCD
Language support		Multilingual
Operation mode		AUTO    MAN    RESET
		START   STOP   E-STOP
LED light		Gen On   Load on Gen   Alarm
		Main On   Load on Gen   Status



- Voltage L-L, L-N (Gen & Main)
- Frequency (Gen & Main)
- Phase sequence (Gen & Main)
- Monitoring Current, kVA, kVAr, kW, %kW, kWh, P.F
- Battery Volt, Charger Volt
- Speed, Oil pressure, Cooling Temperature
- Running hour, Event, Real clock

		Volt	Freq	Speed
Protecting	Over	Load	Current	Bat Volt
function		Cooling temp		
(Warning/Shutdown)	Under	Volt	Freq	Speed
		Bat Volt	Oil pressure	
		Loss of phase		Emergency stop
		Failure to start		Failure to stop
		Failure to charging	Maintenance alert	

## Accessories

- Exhaust silencer, Flexible exhaust pipe, Starting batteries, Auto battery charger, Anti-vibration mountings, MCCB breaker, Base fuel tank, Technical documents & operation manual.