



COOPER FOREVER

www.coopercorp.in

ENGINEERED FOR **RELIABILITY.** BUILT FOR SAVINGS

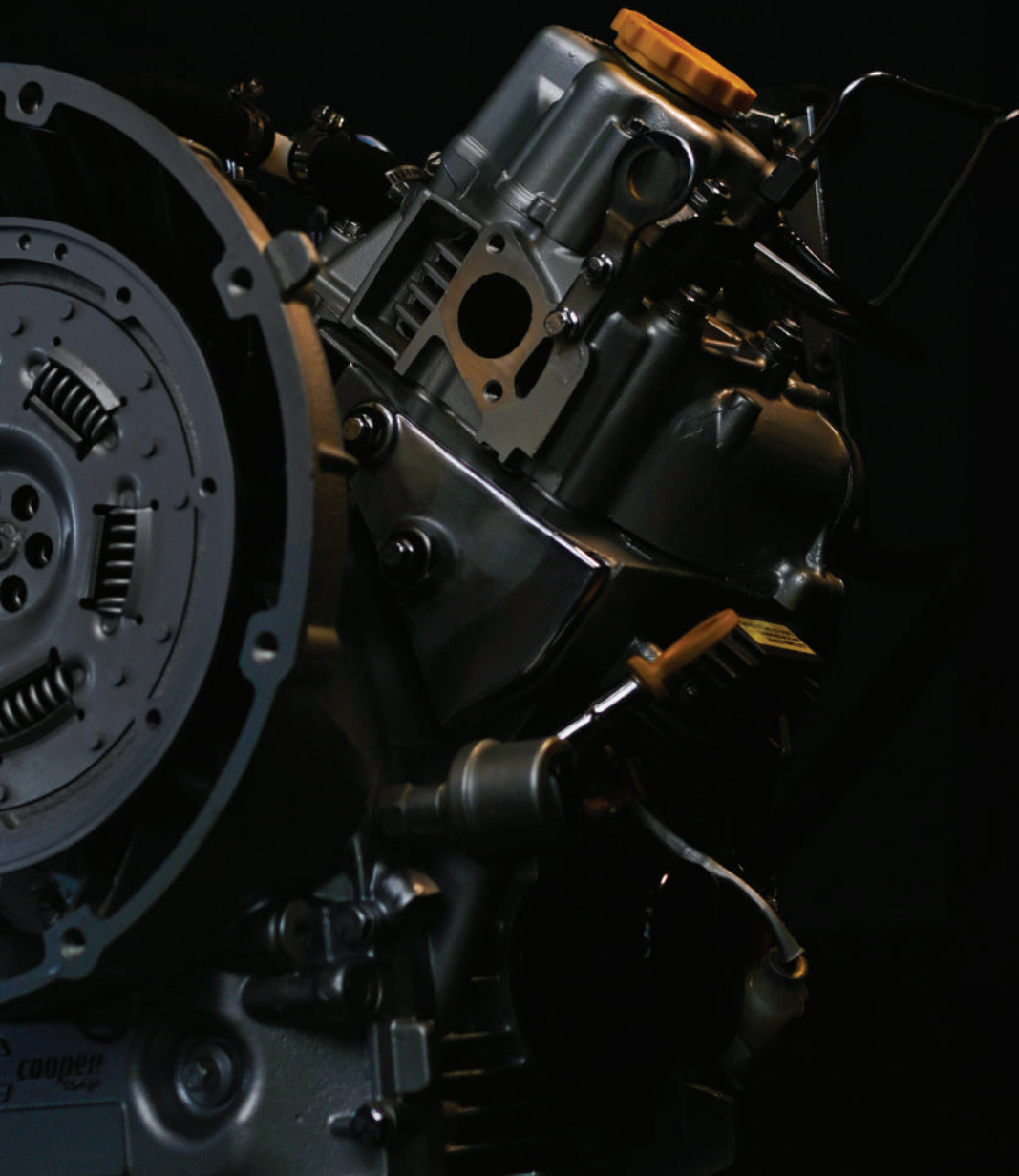



**COOPER
GENSETS**
WEATHER ANY STORM

COOPER CORPORATION

Cooper Corporation has powered billions of dreams for over a century. Pioneers of diesel engines in India , today Cooper is a world renowned name in Engine Components for the leading OEMs. Cooper engines hum in gensets across 16 countries offering reliable and robust power solutions. A manufacturing powerhouse with over 13 factories in Satara, India , the company's manufacturing and engineering skills are acknowledged globally.

With an obsession for quality engrained in their DNA, Cooper Corp today designs, manufactures, and exports over a 100 products, which include Engines, Auto - Components, Gensets, AgriPumps, Lighting Towers, and Tractors to more than 40 countries.



RELIABLE SUPER PERFORMERS

The superior 22-150 kW NG standby power gensets from Cooper Corporation are now available in USA. Powered by turbocharged Cooper Engines and built on a rugged bedplate design it's what you need to tide over a power cut or snowstorm or a hurricane at the press of a button.



DIGITAL
CONTROLLER



B10 LIFE
7000 HRS



PATENTED BED
PLATE DESIGN



HYDRAULIC
LASH ADJUSTER



PISTON
COOLING JETS



BLOCK LOADING
IN 5 SEC



COMPACT
DESIGN



OVERLOAD
PROTECTION

COOPER GENSET EDGE

- Quick Block Loading - In 5s
- Automatic Voltage Regulator (AVR) - Protects connected equipment
- Super Silent – Quieter operations - Noise measures 60db @ 7m
- Electronic Governor Control - For steady power output & fuel efficiency.
- Sound-Attenuated Enclosure - Weatherproof, insulated acoustic enclosure
- Weather-Proof / Outdoor Enclosure - protection from rain, dust etc
- Digital Controller (with Remote Monitoring) - Remote diagnostics & control.
- Vibration Isolation Mounts - Minimize vibration transmission & extend life
- Overload & Short Circuit Protection - Protects generator & connected loads



High Savings



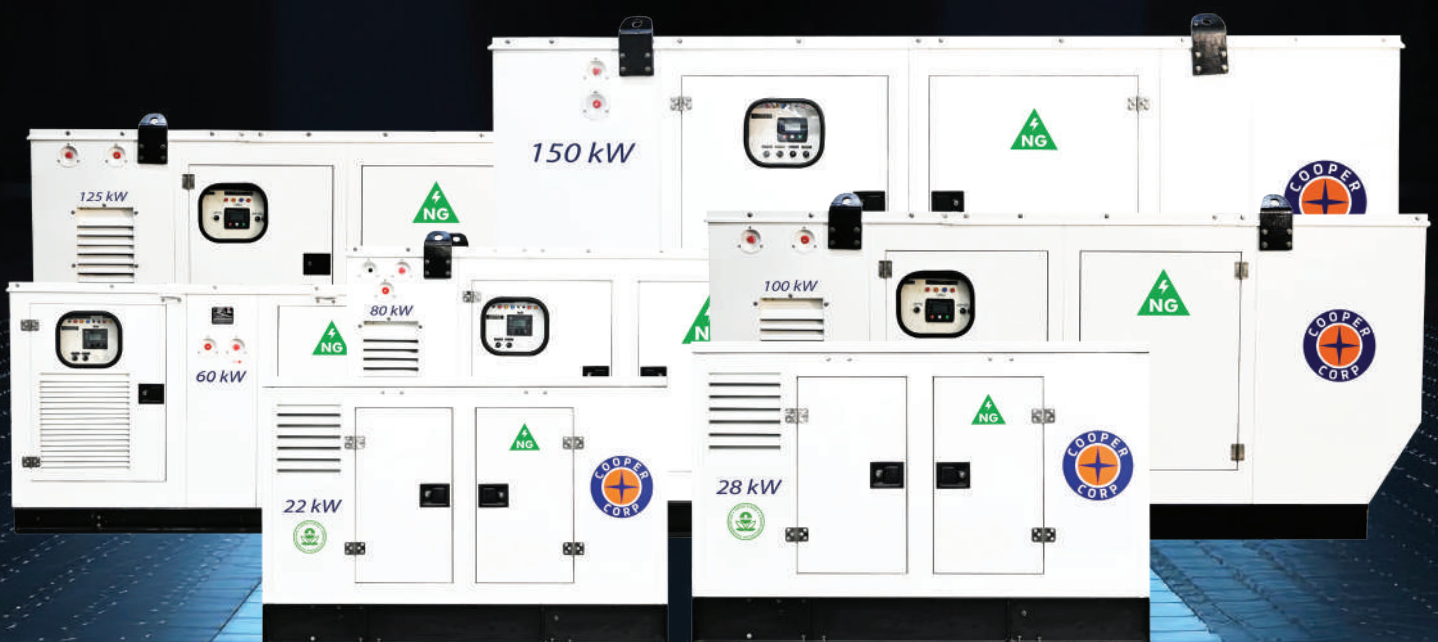
Proven Performance



Reliable Power Supply



Rugged & Robust



COOPER ENGINE ADVANTAGE

- Low oil consumption - Consumes less than 0.01% of fuel
- Small sump capacity- lower oil cost
- Hydraulic Lash Adjusters - no tappet setting needed after break in
- Four valve arrangement ensures high volumetric efficiency
- Centralized injectors enable uniform combustion & best in class fuel efficiency
- Extremely quick block loading- full power & torque in 5s
- Bed plate design for less vibration & wear
- Low Noise 60db@7m for quiet operation
- Turbocharged with intercooler for increased horsepower & torque
- Gallery cooled piston for reduced wear
- Piston cooling jets - Allows higher thermal loads & extends engine life
- High power to weight ratio - Compact design + Higher power density
- B10 life >7000 hrs highly durable engines with extended overhaul intervals
- Least cost of ownership - less maintenance and longer oil change intervals



Built For Extreme
Conditions



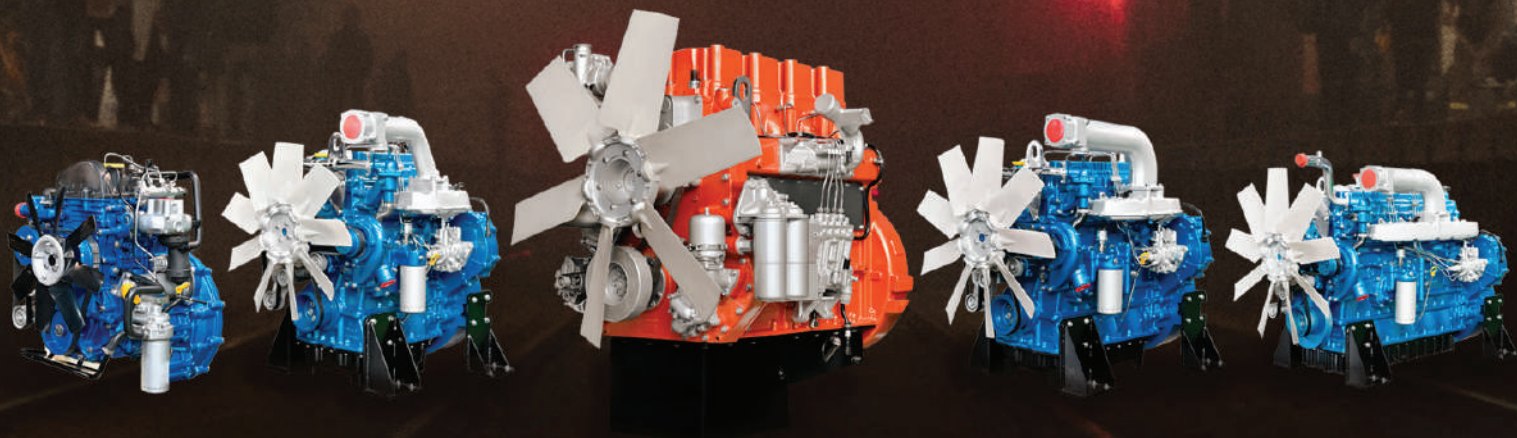
Long Life Precision
Components



Low Cost of
Operation



Engine Designed
by Ricardo UK



TECHNICAL SPECIFICATION

Title	Description	Unit	Specification	Specification
Basic Generator set	Fuel		Natural Gas (NG)	Natural Gas (NG)
	Genset rating	kVA	27.5	35
	Genset Electrical Power Rating	kWe	22	28
	Current	Amp	76	97.2
	No. of Phase	-	3 Ph	3 Ph
	Power factor	-	0.8	0.8
	Genset dry weight	Kg	750	750
	Canopy Dimension including duct (LxWxH)	mm	1950 X 950 X 1530	1950 X 950 X 1530
	Enclosure	-	IP23	IP23
	Class of insulation	-	Class H	Class H
Basic Engine	Engine Rated Power	kW	26	33
	Aspiration	-	TCIC	TCIC
	Cooling System	-	Water Cooled (WC)	Water Cooled (WC)
	Starting System	V	12	12
	Governing	-	G2	G2
	No. of Cylinder	nos	2	2
	Bore X Stroke	mm	87x100	87x100
	Displacement	Ltr	1.2	1.2
	Compression Ratio	-	12:01	12:01
	Engine Speed	rpm	1800	3600
Oil System	Type of Oil	-	-100C to 450C: 15W30 NG -100C to 300C: 10W40 NG	-100C to 450C: 15W30 NG -100C to 300C: 10W40 NG
	Lube Oil Specification	-		
	Lube Oil Capacity	Ltr	5	5
Cooling System	Type of cooling		Water cooled	Water cooled
	Total Coolant Capacity	Ltr	5.5	5.5
Battery capacity ^(*)	Voltage	V	12	12
	Capacity	AH	65	65
Alternator	Type	-	Brushless	Brushless
	Voltage	V	1 Phase : 120/240 3 Phase : 120/208	120/208
	Speed/Frequency	RPM/Hz	1800/60	3600/60
	Phase	-	1 Phase/ 3 Phase	3 Phase
	Voltage Regulation	-	-0.01	+/-1%

The Powerful Range of
NextGen Standby NG Generators.



Specification	Specification	Specification	Specification	Specification
Natural Gas (NG)	Natural Gas (NG)	Natural Gas (NG)	Natural Gas (NG)	Natural Gas (NG)
75	100	125	156.3	156.3
60	80	100	125	150
208.2	277.5	347	433.7	433.7
3 Ph	3 Ph	3 Ph	3 Ph	3 Ph
0.8	0.8	0.8	0.8	0.8
2250	750	2770	2930	2930
3374 X 1100 X 2235	3374 X 1100 X 2235	4548 X 1600 X 2150	4548 X 1600 X 2150	4548 X 1600 X 2150
IP23	IP23	IP23	IP23	IP23
Class H	Class H	Class H	Class H	Class H
68.8	93.1	114	140.3	140.3
TCIC	TCIC	TCIC	TCIC	TCIC
Water Cooled (WC)	Water Cooled (WC)	Water Cooled (WC)	Water Cooled (WC)	Water Cooled (WC)
12	24	24	24	24
G2	G2	G2	G2	G2
4	4	6	6	6
107x126	107x126	107x126	107x145	107x145
4.5L	4.5	6.8	7.8	7.8
12:01	12:01	12:01	12:01	12:01
1800	1800	1800	1800	1800
-100C to 450C: 15W30 NG -100C to 300C: 10W40 NG	-100C to 450C: 15W30 NG -100C to 300C: 10W40 NG	-100C to 450C: 15W30 NG -100C to 300C: 10W40 NG	-100C to 450C: 15W30 NG -100C to 300C: 10W40 NG	-100C to 450C: 15W30 NG -100C to 300C: 10W40 NG
8	8	11	13	13
Water cooled	Water cooled	Water cooled	Water cooled	Water cooled
17	17	22	28	28
12	24	24	24	24
65	2 X 88	2 X 88	2 X 88	2 X 88
Brushless	Brushless	Brushless	Brushless	Brushless
120/208	120/208	120/208	120/208	120/208
1800/60	1800/60	1800/60	1800/60	1800/60
3 Phase	3 Phase	3 Phase	3 Phase	3 Phase
+/-1%	+/-1%	+/-1%	+/-1%	+/-1%



100 KW



125 KW



150 KW

Compliant with



PROVEN RELIABILITY | PEAK PERFORMANCE.
LOWER OPERATING COSTS | BIGGER BOTTOM LINE SAVINGS



Heavy Duty
Cooper Engine



Turbocharged



Super Quiet
Operation



Low Maintenance
Cost

14°F

Easy Cold Start



Remote Monitoring
System


COOPER
GENSETS
WEATHER ANY STORM

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