

**Cooper Genset Comparison with Competitors for 15KVA**

27/10/2010

	<b>Cummins</b>	<b>Kirloskar</b>	<b>Cooper</b>	<b>Advantages of Cooper over Cummins</b>	<b>Advantages of Cooper over Kirloskar</b>
<b>Power rating (KVA)</b>	<b>15</b>	<b>15</b>	<b>15</b>		
Engine Model	X1.7G1	RV2PG	2A2D1C		
No of Cylinders	2	2	2		
<b>Features</b>					
Genset Size (L x W x H mm)	2200 x 900 x 1375	2260 x 990 x 1600	1950 x 950 x 1400	5% smaller in size	28% smaller in size
Genset Weight (kg)	1100	1200	700	36% lighter in weight	42% lighter in weight
Emission norms	CPCB Stage I	CPCB Stage I	CPCB Stage II	50% lower pollution	50% lower pollution
Noise level (dB)	75	75	65	8 Times less sound	8 Times less sound
<b>Lube Oil consumption</b>					
Oil sump capacity (liter)	5	5.4	4.5	10% lower initial oil cost	17% lower initial oil cost
Oil change period (hr)	300	400	500	40% lower oil consumption	20% lower oil consumption
Oil consumption (liter/year)	40	32.4	21.6		
Oil Consumption (% of Fuel consumption)	<0.1	<0.2	<0.1	Same	200% lower oil consumption
Oil Consumption (liter/year)	7.20	14.40	6.00		
<b>Total Oil Consumption (liter/year)</b>	<b>47.20</b>	<b>46.80</b>	<b>27.60</b>	42% lower oil consumption	42% lower oil consumption
<b>Lube Oil Cost per year (Rs)</b>	<b>9,440.00</b>	<b>9,360.00</b>	<b>5,520.00</b>	<b>Rs.3,920/- saving per year</b>	<b>Rs.3,840/- saving per year</b>
<b>Fuel consumption</b>					
Fuel consumption (liter/hr) At 75% load	3	3	2.5	17% less fuel consumption	17% less fuel consumption
Fuel consumption (liter/year)	7200.00	7200.00	6000.00		
<b>Fuel cost per year (Rs)</b>	<b>3,02,400.00</b>	<b>3,02,400.00</b>	<b>2,52,000.00</b>	<b>Rs.50,400/- saving per year</b>	<b>Rs.50,400/- saving per year</b>
<b>Total Saving</b>					
<b>Total Saving (Rupees per year)</b>				<b>Rs. 54,320.00</b>	<b>Rs. 54,240.00</b>

Note:

Considering Genset running 8 hr / day = 2400 hr / year

Source for the Cummins data: product catalogue from Sudhir Gensets

Source for the Kirloskar data: product catalogue from Summit / Kala Gensets

Source for Cooper data : product catalogue and actual fuel consumption measurement.

Due to continuous development and product improvements, the specifications are subject to change without prior notice.