

Cooper Genset Comparison with Competitors for 25KVA

27/10/2010

	Cummins	Kirloskar	Cooper	Advantages of Cooper over Cummins	Advantages of Cooper over Kirloskar
Power rating (KVA)	25	25	25		
Engine Model	X2.5G2	RB33	2A2D1C		
No of Cylinders	3	3	2		
Features					
Genset Size (L x W x H mm)	2200 x 900 x 1375	2150 x 990 x 1740	1950 x 950 x 1400	5% smaller in size	30% smaller in size
Genset Weight (kg)	1100	1300	750	31% lighter in weight	38% 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	70	4 Times less sound	4 Times less sound
Lube Oil consumption					
Oil sump capacity (liter)	6.5	8	4.5	30% lower initial oil cost	43% lower initial oil cost
Oil change period (hr)	300	400	500	40% lower oil consumption	20% lower oil consumption
Oil consumption (liter/year)	52	48	21.6		
Oil Consumption (% of Fuel consumption)	<0.1	<0.2	<0.1	Same	200% lower oil consumption
Oil Consumption (liter/year)	12.00	26.40	11.52		
Total Oil Consumption (liter/year)	64.00	74.40	33.12	47% lower oil consumption	55% lower oil consumption
Lube Oil Cost per year (Rs)	12,800.00	14,880.00	6,624.00	Rs.6,176/- saving per year	Rs.8,256/- saving per year
Fuel consumption					
Fuel consumption (liter/hr) At 75% load	5	5.5	4.8	4% less fuel consumption	13% less fuel consumption
Fuel consumption (liter/year)	12000.00	13200.00	11520.00		
Fuel cost per year (Rs)	5,04,000.00	5,54,400.00	4,83,840.00	Rs.20,160/- saving per year	Rs.70,560/- saving per year
Total Saving					
Total Saving (Rupees per year)				Rs.26,336.00	Rs. 78,816.00

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.