

INDIA'S #1 GENSET BRAND

UHHP GENSET  
750 - 1500 kVA



India's first IOT enabled Genset  
The Complete Power Back-up Solution

EFFICIENCY HAS A NEW NAME

Ultra High Horse Power

750 - 1500 kVA

Prime Rating at rated rpm (as per ISO8528 ) <sup>1</sup>		kVA kW	750 HD 600	900 HD 720	1010 HD 808	1250 HD 1000	1500 HD 1200
Genset Model			KG1-750WS	KG1-900WS	KG1-1010WS	KG1-1250WS	KG1-1500WS
Frequency		Hz	50				
Power factor		lagging	0.8				
Voltage		V	415 3Ø				
Governing class (As per ISO 8528 Part-V)			G3				
DG set Noise level at 1Mtr with Genset Canopy		dBA	≤ 75		Contact Kirloskar Oil Engines Ltd. for Details		
Fuel Consumption*	At 100 % Load	Ltrs/hr	154	197	199	250	310
	At 75 % Load		126.4	163	155	189	230
	At 50 % Load		89.7	120	112	134	157
Fuel tank capacity		Ltrs	990	990	990	880	880
Weight of genset with canopy (approx.) <sup>§</sup>		Dry Kg	8300	13600	13200	13075 <sup>+</sup>	
Overall dimensions of genset <sup>^</sup>	Length	mm	6800	8000	7800	5650 <sup>+</sup>	
	Width	mm	2300	2300	2300	2300 <sup>+</sup>	
	Height	mm	2713	2713	2713	2680 <sup>+</sup>	
Electrical Battery starting voltage		Volts-DC	24				
ENGINE							
Engine Model (Parent Engine)			DV12ETA	DV16ETA	DV16ETA	12K4300-E2	12K4300-E1
Rated output (Prime Continuous rating as per ISO 3046)		kW	663	799	889	1090	1294
		HP	901	1086	1210	1482	1760
No. of cylinder		Number	12	16		12	
Cubic capacity <sup>2</sup>		Ltrs	23.88	31.84		51.73	
Bore x Stroke		mm	130 x 150			170 x 190	
Rated Speed		RPM	1500				
Aspiration		NA/TC/TA	TA				
Lube Oil change period		hrs	500				
Lube Oil Sump Capacity		Ltrs	73	130	130	265	
Coolant Capacity with Radiator		Ltrs	175	180	180	210	
ALTERNATOR							
Insulation Class			Class H				
Ingression Protection			IP 23				
Alternator Efficiency (at 100% load) 0.8 pf*			94.6	95.3	95.1	95.7	95.4
Alternator Efficiency (at 75% load) 0.8 pf*			94.9	95.5	95.4	95.9	95.8
Permissible Voltage Dip at Full Load 0.8 pf Lag			< 20 %				
Time Permitted to build up rated voltage at rated RPM			< 1 sec, provided engine should reach rated RPM				
Short Circuit Withstand Time		sec	3 Times rated current for “10 sec”				
Overload Withstand Capacity		%	10% overload for one hour once in 12 hours				