

INDIA'S #1 GENSET BRAND

DV SERIES GENSET 320- 1010 kVA



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

EFFICIENCY HAS A NEW NAME

Prime Rating at rated rpm (as per ISO8528) ¹		kVA	320 HD	380 HD	400 HD	500 HD	600 HD	625 HD	750 HD	900 HD	1010 HD	
		kW	256	304	320	400	480	500	600	720	808	
Genset Model			KG1-320WS	KG1-380WS	KG1-400WS	KG1-500WS	KG1-600WS	KG1-625WS	KG1-750WS	KG1-900WS	KG1-1010WS	
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 KOE for Details
Fuel Consumption #	At 100 % Load	Ltrs/hr	69	83.3	86.9	107.5	125.9	130.5	154	197	199	
	At 75 % Load		52.5	61.2	65.1	81.9	94.2	98.6	126.4	163	155	
	At 50 % Load		37.6	44.1	46	57.1	63.8	66.2	89.7	120	112	
Fuel tank capacity		Ltrs	850	850	850	990	990	990	990	990	990	
Weight of genset with canopy (approx.) [§]	Dry	Kg	5910	6000	6050	7200	7700	7800	8300	13600	13200	
Overall dimensions of genset ^	Length	mm	5180	5446	5650	5650	6560	6560	6800	8000	7800	
	Width	mm	2000	2000	2000	2000	2000	2000	2300	2300	2300	
	Height	mm	2408	2408	2408	2558	2710	2710	2713	2713	2713	
Electrical Battery starting voltage		Volts-DC	24									
ENGINE												
Engine Model (Parent Engine)			DV8TA	DV8TA	DV8TA	DV10TA	DV12TA	DV12TA	DV12ETA	DV16ETA	DV16ETA	
Rated output (Prime Continuous rating as per ISO 3046)	kW	294	346	360	447	532	552	663	799	889		
	HP	400	470	490	608	723	750	901	1086	1210		
No. of cylinder		Number	8			10	12			16		
Cubic capacity ²		Ltrs	15.92			19.9	23.88			31.84		
Bore x Stroke		mm	130 x 150									
Rated Speed		RPM	1500									
Aspiration		NA/TC/TA	TA									
Lube Oil change period		hrs	500									
Lube Oil Sump Capacity		Ltrs	41			45	50		73	130	130	
Coolant Capacity with Radiator		Ltrs	55	65	65	80	100	100	175	180	180	
ALTERNATOR												
Insulation Class			Class H									
Ingress Protection						IP 23						
Alternator Efficiency (at 100% load) 0.8 pf*			94.6	93.3	93.4	94.6	95.5	95	94.6	95.3	95.1	
Alternator Efficiency (at 75% load) 0.8 pf*			95.5	93.8	94	94.9	95.4	95.2	94.9	95.5	95.4	
Permissible Voltage Dip at Full Load 0.8 pf Lag Time Permitted to build up rated voltage at rated RPM			< 3 sec, provided engine should reach rated RPM	≤ 20 %								
			< 1 sec, provided engine should reach rated RPM									
			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									

