

## TECHNICAL SPECIFICATIONS

400 kVA / 500 kVA / 625 kVA

<b>Genset Prime Rating (kVA) *</b>	<b>400</b>	<b>500</b>	<b>625</b>
Genset Prime Rating (KW)	320	400	
Phase / Voltage (V)	3/415	3/415	3/415
Power Factor	0.8 (lagging)	0.8 (lagging)	0.8 (lagging)
Current (A)	556	695	868
Frequency (Hz)& RPM	50/1500	50/1500	50/1500
Governing class	G2 as per ISO 8528 Part V	G2 as per ISO 8528 Part V	G2 as per ISO 8528 Part V
Starting system	24 V DC Elec	24 V DC Elec	24 V DC Elec
Fuel tank capacity	900	900	900
Canopy dimensions w/o silencer (mm) (L x W x H) approx.	5950x2000x2350	5950x2000x2350	5950x2000x2350
Genset Weight (kg) approx.	5950	6500	7500
<b>Engine Specification</b>			
Make / Series	Perkins	Perkins	Perkins
Engine Model	2206D-E13TAG3	2506D-E15TAG2	2806D-E18TAG 1A
Rated Power at 100% Load @ 1500 RPM (HP)	367	453	540
Aspiration	Turbo Charged After Cooled	Turbo Charged After Cooled	Turbo Charged After Cooled
No. of cylinders	6	6	6
Bore x Stroke (mm)	130*157	137*171	145*183
Displacement (Lit)	12.5	15.2	18.1
Fuel consumption @ 75% load (lit/hr) **	65.5	78.6	97
Fuel consumption @ 100% load (lit/hr)**	90.5	101	130
Total lubrication system capacity (lit)	40	62	71
Lube oil consumption @ % of fuel consumption	0.1% of fuel consumption	0.1% of fuel consumption	0.1% of fuel consumption
Lube oil change period (hrs.)	500	500	500
Total coolant capacity (liter)	51.4	48	55.6
<b>Alternator</b>			
Enclosure Type	IP23	IP23	IP23
Voltage regulation	±1%	±1%	±1%

Class of insulation	Class H	Class H	Class H
Maximum Unbalanced Load across Phases	25%	25%	25%

Above specifications are subject to change without prior notice due to continuous product improvements.

All engines & alternators confirm to respective IS standards

All the genset specifications are as per ISO 8528 standard

Fuel - High Speed Diesel (HSD IS 1460:2005)

^ Considering 0.845 specific gravity of diesel 5% tolerance

\$ Considering 0.89 specific gravity of oil

\* For Standby duty, contact Powerol authorized representative

All specifications are at standard NTP operating conditions

All the above gensets conform to the latest CPCB norms of <75 dbA