

# GENERATOR

## SOLUTIONS

### 10-2500 kVA

#### GENERATOR



#### HIGHLIGHTS

- Easily Dismountable Chassis
- Low Amortization
- Easy Maintenance Canopy Design
- Economic and Long Life

#### High Tech and Reliable Solutions for Power Generating

- Westinghouse provides tailor-made power generators accordingly to customer needs as well as serving with a wide range of generators starting from 10kVA to 2500kVA. High quality Westinghouse generator sets approved with international quality certifications which are made of world's top engine brands coupled to well know alternators to meet projects' requirements of different output ranges.

#### Diesel Engine Brand Options





### Engine

- Heavy Duty Diesel Engine
- 4 Cycle, Water Cooled, Naturally Aspirated
- Indirect Injection
- Mechanic / Rotary Type Pump
- 12/24 Volt Self-Starter and Charger Alternator
- Changeable Air, Fuel and Oil Filter
- Tropical Type Radiator
- Flexible Fuel Pipe
- Oil Discharge Valve And Extension Pipe
- Industrial Type Silencer, Exhaust Spiral or Compensator
- Maintenance Free Battery
- Engine Block Water Heater (In Automatic Models)
- Diesel Gen-Set Maintenance and Operating Instructions and Electrical Circuit Diagram

### Quality Standard

Our gen-sets; VDE 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, TS EN 12601 are manufactured in accordance with the standards mentioned above. Our company fulfills ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 management system requirements, and have the accredited certificates of Kiwa & MEYER. Also we've GOST-R certificate. Our gen-sets have TS ISO 8528-5, TS EN 12601 product standard certificates.

Our gen-sets are CE certified in accordance with the requirements of 2000/14/EC, noise emission directive.

### Alternator

- Brushless, Single Bearing, Flexible Disc 4 Poles Alternator for Harmonic Failure
- H Type Isolation Class
- IP 21-23 Protection Class
- Self Exciter
- Electronic Automatic Voltage Regulator
- Stator 2/3 Step for Harmonic Failure

### Extra Equipments

- Charge Ammeter
- Moulded Case Circuit Braker (In Automatic Models)
- Hospital/Critical Type Silencer
- Sound-Proof Canopy
- Mobile-Trailer
- Synchronization Control Panel for 2-6 Gen-Sets
- 3 Pole/4 Pole Automatic Transfer Panel (A.T.S.)
- Fuel and Oil Heater
- Alternator Heater
- Automatic Fuel Filling System
- Fuel-Water Seperator Filter

### Canopy

- Modular Type Sound-Proof Canopy
- Canopy Installation Executed with Screw and Nut, without Welding Process
- Epoxy and Polyester Powder Painted Canopy
- Canopy Designed for Easy Maintenance
- Lockable Doors on Both Sides of Canopy
- Emergency Stop Button
- Transparent Panel Inspection Window

### Automatic Control Panel

- LCD Display Screen
- Battery Charger
- Hardware and Materials Needed
- USB Port & RS-485 Output

### Gen-Set Safety Protection & Alarms

- High Water Temperature
- Low Oil Pressure
- High & Low Engine Speed
- Low Radiator Water Level
- Over Current Load
- High & Low Gen-Set Voltage
- Start/Stop Failure



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

# GENERATOR

## SOLUTIONS

### WEPS Series 94-150 kVA

#### GENERATOR GROUP

MODEL		WEPS0094	WEPS0110	WEPS0110N	WEPS0125	WEPS0150
Ref.No.		W606725	W606726	W606727	W606728	W606729
Stand By Power	kVA	94	110	110	125	150
	kW	75.2	88	88	100	120
Prime Power	kVA	85.4	100	100	113.6	136.4
	kW	68.3	80	80	90.9	109

#### DIESEL ENGINE

BRAND		RICARDO				
Model		R4105IZLD	R4110IZLD	R6105ZD	R6105ZLD	R6105AZLD
Engine Power - Stand By	kW	83	92	92	110	121
Engine Power - Prime	kW	75	84	84	100	110
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		4 - In Line	4 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		4.33	4.33	6.49	6.49	6.75
Bore x Stroke (mm)		105x130	105x130	105x130	105x130	105x130
Compression Rate		16:1	16:1	16:1	16:1	16:1
Governor Type		Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic
Induction		TurboCharged	TurboCharged	TurboCharged	TurboCharged	TurboCharged
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		13	13	16	16	16
Coolant Capacity (lt)		18	18	23	23	25
Fuel Tank Capacity (lt)		175	175	225	225	225
Fuel Consumption lt / h	100% of Prime Power	20.2	22.6	23.9	26.6	30.5
	75% of Prime Power	15.6	16.7	17.9	20.2	22.9
	50% of Prime Power	10	11.5	11.9	13.8	15.3

#### ALTERNATOR

Output Voltage (V)	400/230
Power Factor	0.8
Number of Poles	4
Frequency (Hz)	50
Voltage Regulation	±%0,5
Connection Type	Star

#### DIMENSIONS & WEIGHT

Canopy Dimensions	mm (WxDxH)	1050x2700x1875	1050x2700x1875	1050x3000x2035	1050x3000x2035	1050x3000x2035
Canopy Weight	kg	1410	1450	1650	1535	1800
Open Dimensions	mm (WxDxH)	1050x2100x1650	1050x2100x1650	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight	kg	1160	1200	1290	1350	1400

WESTINGHOUSE reserves the right to make changes in model, specification, color, equipment and accessories without prior notice.  
N/A: These dimensions and weights may change depending upon the characteristics of the project.

# GENERATOR

## SOLUTIONS

# WEPS Series 165-220 kVA

**2 GENERATOR**

### GENERATOR GROUP

MODEL		WEPS0165	WEPS0175	WEPS0200	WEPS0220
		W606730	W606731	W606732	W606733
Stand By Power	kVA	165	175	200	220
	kW	132	140	160	176
Prime Power	kVA	150	159	181.9	200
	kW	120	126.4	145.5	160

### DIESEL ENGINE

BRAND		RICARDO			
Model		R6105IZLD	R6105IZLD	R6108IZLD	R6108IZLD
Engine Power - Stand By	kW	145	145	185	185
Engine Power - Prime	kW	132	132	165	165
Engine Speed (rpm)		1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		7.01	7.01	7.01	7.01
Bore x Stroke (mm)		105x135	105x135	110x135	110x135
Compression Rate		16:1	16:1	16:1	16:1
Governor Type		Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic	Mechanic/Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		16	16	23	23
Coolant Capacity (lt)		25	25	45	45
Fuel Tank Capacity (lt)		225	225	225	225
Fuel Consumption	100% of Prime Power	33.5	35.5	49.4	50
	75% of Prime Power	25.1	26.1	37	39.2
	50% of Prime Power	16.7	17.8	24	25.1

### ALTERNATOR

Output Voltage (V)	400/230
Power Factor	0.8
Number of Poles	4
Frequency (Hz)	50
Voltage Regulation	±%0,5
Connection Type	Star

### DIMENSIONS & WEIGHT

	WEPS0165	WEPS0175	WEPS0200	WEPS0220
Canopy Dimensions mm (WxDxH)	1050x3000x2035	1050x3000x2035	1050x3000x2035	1050x3000x2035
Canopy Weight kg	1760	1760	1850	1860
Open Dimensions mm (WxDxH)	1050x2400x1750	1050x2400x1750	1050x2400x1750	1050x2400x1750
Open Weight kg	1460	1460	1550	1570

WESTINGHOUSE reserves the right to make changes in model, specification, color, equipment and accessories without prior notice.  
 N/A: These dimensions and weights may change depending upon the characteristics of the project.

# GENERATOR

## SOLUTIONS

# WEPS Series 300-500 kVA

**2**
**GENERATOR**

GENERATOR GROUP		WEPS0300	WEPS0330	WEPS0400	WEPS0450	WEPS0500
<b>MODEL</b>						
<b>Ref.No.</b>		W606734	W606735	W606736	W606737	W606738
Stand By Power	kVA	300	330	400	450	500
	kW	240	264	320	360	400
Prime Power	kVA	272.7	300	363.6	409	455
	kW	218.2	240	290.9	327	364
<b>DIESEL ENGINE</b>		<b>PERKINS</b>				
<b>BRAND</b>		1506A-E88TAG4	1506A-E88TAG5	2206A-E13TAG2	2206A-E13TAG3	2506A-E15TAG1
Model						
Engine Power - Stand By	kW	281	307	368	412	451
Engine Power - Prime	kW	255.5	279	334	374	410
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		8.8	8.8	12.5	12.5	15.2
Bore x Stroke (mm)		112x149	112x149	130x157	130x157	137x171
Compression Rate		16.1:1	16.1:1	16.3:1	16.3:1	16.0:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		41	41	40	40	62
Coolant Capacity (lt)		33.2	33.2	51.4	51.4	58
Fuel Tank Capacity (lt)		450	550	550	550	970
Fuel Consumption lt / h	100% of Prime Power	60	60	71	81	95
	75% of Prime Power	46	46	54	62	72
	50% of Prime Power	32.2	32.2	37	42	50
<b>ALTERNATOR</b>						
Output Voltage (V)		400/230				
Power Factor		0.8				
Number of Poles		4				
Frequency (Hz)		50				
Voltage Regulation		±%0,5				
Connection Type		Star				
<b>DIMENSIONS &amp; WEIGHT</b>						
Canopy Dimensions	mm (WxDxH)	1300x3800x1900	1400x4200x2200	1400x4200x2200	1400x4200x2200	1400x4200x2200
Canopy Weight	kg	1780	2690	3900	4100	4200
Open Dimensions	mm (WxDxH)	1300x3800x1750	1400x4200x2050	1400x4200x2050	1400x4200x2050	1400x4200x2050
Open Weight	kg	1530	2655	3200	3400	3500

WESTINGHOUSE reserves the right to make changes in model, specification, color, equipment and accessories without prior notice.  
 N/A: These dimensions and weights may change depending upon the characteristics of the project.

# GENERATOR

## SOLUTIONS

### WEPS Series 550-825 kVA

**2 GENERATOR**

#### GENERATOR GROUP

MODEL		WEPS0550	WEPS0660	WEPS0700	WEPS0785	WEPS0825
Ref.No		W606739	W606740	W606741	W606742	W606743
Stand By Power	kVA	550	660	700	785	825
	kW	440	528	560	625	660
Prime Power	kVA	500	600	636	713.6	750
	kW	400	480	508.8	570.9	600

#### DIESEL ENGINE

BRAND		PERKINS				
Model		2506A-E15TAG2	2806A-E18TAG1A	2806A-E18TAG2	2806A-E18TAG4	2806A-E18TAG5
Engine Power - Stand By	kW	495	593	628	685	695
Engine Power - Prime	kW	450	539	571	623	632
Engine Speed (rpm)		1500	1500	1500	1500	1500
Number of Cylinder		6 - In Line	6 - In Line	6 - In Line	6 - In Line	6 - In Line
Displacement (lt)		15.2	18.1	18.1	18.1	18.1
Bore x Stroke (mm)		137x171	145x183	145x183	145x183	145x183
Compression Rate		16.0:1	14.5:1	14.5:1	14.5:1	14:1
Governor Type		Electronic	Electronic	Electronic	Electronic	Electronic
Induction		TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler	TurboCharged-Intercooler
Combustion System		Direct Injection	Direct Injection	Direct Injection	Direct Injection	Direct Injection
Cooling System		Water Cooled	Water Cooled	Water Cooled	Water Cooled	Water Cooled
Lubrication Oil Capacity (lt)		62	62	62	68	68
Coolant Capacity (lt)		58	61	61	109.5	109.5
Fuel Tank Capacity (lt)		970	970	970	970	1100
Fuel Consumption lt / h	100% of Prime Power	100	111	143	143	162
	75% of Prime Power	76	81	105	105	118
	50% of Prime Power	53	55	72	72	81

#### ALTERNATOR

Output Voltage (V)	400/230
Power Factor	0.8
Number of Poles	4
Frequency (Hz)	50
Voltage Regulation	±%0,5
Connection Type	Star

#### DIMENSIONS & WEIGHT

Canopy Dimensions	mm (WxDxH)	1400x4200x2200	1400x4200x2200	1400x4200x2200	1800x4800x311	1400x4200x2200
Canopy Weight	kg	4200	4900	5100	8817	7600
Open Dimensions	mm (WxDxH)	1400x4200x2050	1400x4200x2050	1400x4200x2050	1800x4290x2475	1400x4200x2050
Open Weight	kg	3500	4200	4400	7310	6900

WESTINGHOUSE reserves the right to make changes in model, specification, color, equipment and accessories without prior notice.  
 N/A: These dimensions and weights may change depending upon the characteristics of the project.