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ADG22WS

STANDBY DIESEL GENERATOR

POWERED BY
WEICHAI

World's largest manufacturer of diesel engines

Prime Power	Standby Power	Phase/Voltage	Rated Current	Hz/rpm
22kVA	24kVA	Three/400V	32.4A	60/1800



DIESEL GENERATOR SET	
Engine Make/Model	Weichai / WP2.3D30E201
Alternator Make/Model	Senci / SC-184ES
Control Panel	LED / DC42D
Base Frame / Silent Canopy	Robust Structure/ Corrosion Resistant
Built-in Base Fuel Tank Capacity	70L
Battery	Maintenance free Lead Acid

Prime Power- Unlimited hours usage with an average load factor of %80 of the published Prime power over each 24 hours period. A %10 overload is available for 1 hour in every 12 hours operation.

Standby Power- Limited to 500 hours annual usage with an average load factor of %80 of the published Standby power rating over each 24 hour period. Up to 300 hours of annual usage may be run continuously. No overload is permitted on Standby power.

DIMENSIONS	Length(mm)	Width (mm)	Height (mm)	Weight (Kg)
	1500	900	1200	630

ENGINE SPECIFICATIONS	
Make / Model	Weichai / WP2.3D30E201
Rated Power	27kW
Number of Cylinders / Valves	4/8
Displacement(L)	2.3L
Cooling Method	Water Cooled
Fuel System	Mechanical Pump
Intake Mode	Naturally aspirated
Starting Method	Electrical / 12V
Air Filter	Engine self-contained
Bore / Stroke	89x92 mm
Motor Interface	SAE4-7.5
Water Tank	50 C Aluminum water tank
Water Temperature Sensor	Resistive
Oil Pressure Sensor	Resistive
Rechargeable Generator	12V
Diesel Pre-Filter	Engine self-contained
Diesel Filter	Engine self-contained

LUBRICATION SYSTEM	
Oil Capacity Low/High	5.8/8 (L)
Oil Pressure idle speed	≥100kPa
Oil Flow	22 (L/Min)

AIR SYSTEM	
Air intake restriction clean filter (kPa)	≤3.5
Air intake restriction dirty filter (kPa)	≤6
Recommended Air Flow (PRP)	100 Kg/h
Recommended Air Flow (ESP)	99 Kg/h
Min.Diameter of intake Pipe (mm)	50

ALTERNATOR SPECIFICATIONS	
Make / Model	Senci / SC-184ES
Rated Power	20kW
Frequency	60Hz
Rated Voltage	400V
Number of Phase	3
Regulator	BYO
THD	≤5 %
Motor Tail Cover	Orbicular
Insulation Class	Class H
Ingress Protection	IP23
Stator Packing tin/color	Orbicular
Excitation Mode	Brushless, Self-exciting

EXHAUST SYSTEM	
Min.Dia of Pipe	50mm
Max. Back Pressure	8kPa
Exhaust flow @ PRP	104.9(kg/h)
Exhaust flow @ ESP	105.1(kg/h)

COOLING SYSTEM	
Total Coolant Capacity	5L
Ambient temperature	up to 40 °C
Coolant alarm temperature	98±2 °C
Min. pressure (kPa)	15
Thermostat opening temp/full open temperature (°C)	72/82

Note: Specifications are subject to change without prior notice due to ongoing research and product development.