

TECHNICAL DATA



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ADG165WS

Standby Diesel Generator

POWERED BY
WEICHAI

World's largest manufacturer of diesel engines

SENCI
ALTERNATOR

Prime Power	Standby Power	Rated Voltage	Rated Current	Frequency	Phase
150kVA / 120kW	165kVA / 132kW	230/400V	216A	50Hz	Three

DIESEL GENERATOR SET

Engine Make/Model	Weichai / WP6D152E200
Alternator Make/Model	Senci / SC274FS
Control Panel	Mebay / DC42DMK IV
Starting Method	Electric Start
Operating Temperature	-10°C ~+40°C
Noise Level (@ 7m)	≤85dB
Power Factor	0.8
Waveform Distortion Rate	T.H.D≤5 %
Fuel tank capacity (L)	310L
Dust and Water Resistance Level	IP23

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	Width	Height	Weight
	3220mm	1130mm	1820mm	2000Kg

ENGINE SPECIFICATIONS

Make / Model	Weichai / WP6D152E200
Main Power	138kW@1500rpm
Displacement(L)	6.75L
Cooling Method	Water Cooled
Speed Control Mode	Electronic Speed Control
Intake Method	Supercharged Intercooler
Starting Method	Electrical
Bore / Stroke	105x130 mm
Flywheel Housing Interface	SAE1# /11.5#
Emission Standard	Non
Water Temperature Sensor Type	Resistor
Oil Pressure sensor type	Resistor
Diesel prefilter type	Power
Diesel filter type	Power

ELECTRICAL SYSTEM

Controller Model	Mebay / DC42DMK IV
Power Switch	NP2-BD21/ 2 Gears/1 Normally Open
Emergency Stop Button	NP2-BS545
Floating Power Supply	DC24V/BCC6A MK2- 24V
Output Circuit Breaker	NXM-250S /3300/ 3P/250A/CCC/Chint
Current Transformer	BH-0.66/401/300:5/0.5 Level / Single Turn/Chint

POWER SYSTEM

Battery Specifications	2*12V/80Ah
Battery Brand	POWSEA
Battery Switch Model	JK451
Battery Switch Brand	ZL

ALTERNATOR SPECIFICATIONS

Make / Model	Senci / SC274FS
Rated Power / Speed	138kW / 1500rpm
Insulation Class	Class H
Protection Level	IP22
No.of Phases	3-Phase
T.H.D	≤%5
Rated Voltage	230/400V
Power Factor	0.8
Voltage Regulator	Self-Contained
Frequency	50Hz
Excitation Mode	Brushless Excitation

COOLING SYSTEM

Status	50°C aluminum water tank
Manufacturer	Wistron

MUFFLER SYSTEM

Specification	Box Configuration
Material	Iron
Rain Cap	Belt
Surface	Baked Black Matte High Temperature Paint

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