

## Doosan diesel engine generator

Capacity: 610KVA (488KW) at 50Hz

Model	Standby Rating		Prime Rating	
	kVA	KW	kVA	KW
<b>AG-DW610</b>	610	488	665	523

### Specification

Engine Model	P222LE
Engine Manufacturer	Korea Doosan Infracore Co.,Ltd
Engine Configuration	12-cylinder in V type, 4-stroke, Exhaust gas turbocharged, Air-to- Air cooled
Speed Control System	High precision electric speed controller
Start Mode	24V Direct Current Start Including alternator & battery
Fuel System	Bosch direct spray "P"model pump
100% Load Fuel Consumption (L/h)	134.0/154.3
Total Engine Displacement (L)	21.927
Exhaust Air Flow (m <sup>3</sup> /min)	1286
Air consumption (m <sup>3</sup> /min)	38.0
Exhaust gas Flow (m <sup>3</sup> /min)	≤117.5
Exhaust gas Temperature (°C)	≤606
Oil Capacity (L)	45
Coolant Capacity (L)	113
Rated Voltage/Frequency	400V/230V, 50Hz
Power Factor/Connective Wire Type	0.8 lag, 3-phase,4-line Y type circling to connect
Stable Frequency Change Rate	≤5%
Free load voltage Regulator Range	≥95%~105%
Stable Voltage Regulator	≤±1%
Insulation Class/Protection Grade	H class/IP23
Telephone Influence Index	TIF<50
Telephone Harmonic Index	THF<2%
Dimension without fuel tank on base(mm)	3450×1390×1820
Weight without fuel tank on base (kg)	4155

\*Note: Some options may not be available on all models.



### Standby Power

Standby power is defined as the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 500 hours of operation per year under average of 70% load. Overloading is not permissible.

### Prime Power

Prime power is defined as being the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hours.



2000 kVA Diesel Generator



5 MVA Transformer



VCB



ACB



Synchronized Electricity



Civil Construction



Over Head Crane