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Technical specification parameters of 30kVA Silent type series diesel generator set

Unit model:SO-30	Steady state voltage adjustment (%) : $\leq\pm 0.5$
Rated power:37.6kVA/30.1kW	Voltage fluctuation rate (%): $\leq\pm 0.5$
Rated power factor: COS Φ =0.8	Transient voltage adjustment rate (%):+20~-15
Rated output voltage:110V/220V	Load abrupt voltage stability time (s): ≤ 2
Rated current:54A	Steady state frequency adjustment rate (%): $\leq\pm 1$
Rated frequency:60Hz	Frequency wave rate (%): $\leq\pm 2$
Rated speed:1500rpm	Transient frequency adjustment rate (%):+10~-7
Start mode: Electric	Load mutation frequency stabilization time (S): ≤ 2
Size:245*1060*1580 (LxWxHcm)	Unit weight:900kg

30kVA diesel generator configuration

Diesel engine	Model	K4100D
	Rated power	30.1KW
	Cylinders	4
	Bore * stroke (mm)	100*115mm
	Type	Straight line, water cooling, four stroke
	Intake mode	Turbo charged
	Combustion mode	Direct injection combustor
	Displacement (L)	3.6L
	Fuel consumption rate (g/kw.h)	≤ 206 g/kw.h
	Cooling mode	Closed water cooling
	Startup mode	Electric start
Lubrication method	Pressure and splash lubrication	
Alternator	Model	SOA-30
	Rated power	37.5kVA/30.1kW
	Type	Brushless & self-excited
	Rated current	90A
	Rated voltage	110V/220V
	Frequency	60HZ
	Speed	1500rpm
	Power factor	0.8
	Phase number	Three phase four wire
	Protection grade	IP22