

**Weifang Starocean Machinery And Equipment Co., Ltd.**

**Technical specification parameters of 50kVA series diesel generator set**

Unit model:SO-50	Steady state voltage adjustment (%) : $\leq\pm 0.5$
Rated power:50kVA/40kW	Voltage fluctuation rate (%): $\leq\pm 0.5$
Rated power factor: COS $\Phi$ =0.8	Transient voltage adjustment rate (%):+20~ -15
Rated output voltage:220V/380V	Load abrupt voltage stability time (s): $\leq 2$
Rated current:72A	Steady state frequency adjustment rate (%): $\leq\pm 1$
Rated frequency:50Hz	Frequency wave rate (%): $\leq\pm 2$
Rated speed:1500rpm	Transient frequency adjustment rate (%):+10~-7
Start mode: Electric	Load mutation frequency stabilization time (S): $\leq 2$
Size:175*80*120 (LxWxHcm)	Unit weight:540kg

**50kVA diesel generator configuration**

Diesel engine	Model	K4100ZD
	Rated power 额定功率	41KW
	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)	$\leq 206$ g/kw.h
	Cooling mode	Closed water cooling
	Startup mode	Electric start
Lubrication method	Pressure and splash lubrication	
Alternator	Model	SOA-50
	Rated power	50kVA/40kW
	Rated current	72A
	Rated voltage	220V/380V
	Frequency	50HZ
	Speed	1500rpm
	Power factor	0.8
	Phase number	Three phase four wire
	Protection grade	IP21