

# Weifang Starocean Machinery and Equipment Co., Ltd.

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## Technical specification parameters of Prime 150kVA series diesel generator set

Unit model:SO-120KW	Steady state voltage adjustment (%) : $\leq\pm 0.5$
Rated power:120KW/Prime power: 138KW	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:216A	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:2470*930*1450 (LxWxH mm)	Unit weight:1550kg

## Prime 150Kva diesel generator configuration

Diesel engine	Model	WP6D132E200
	Rated power	120KW
	Cylinders	6
	Bore * stroke (mm)	105*130mm
	Type	Straight line, water cooling, four stroke
	Intake mode	Turbo charged
	Combustion mode	Direct injection combustor
	Displacement (L)	6.75L
	Fuel consumption rate (g/kw.h)	$\leq 198$ g/kw.h
	Cooling mode	Closed water cooling
	Startup mode	24V DC electric start
	Lubrication method	Pressure and splash lubrication
Alternator	Model	STF-120
	Rated power	120KW
	Rated current	216A
	Rated voltage	220/380V
	Frequency	50HZ
	Speed	1500rpm
	Power factor	0.8
	Phase number	Three phase four wire
	Type	Pure copper brushless
	Protection grade	IP22