



# HELVETICA POWER <sup>®</sup>

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## 19KVA / 15KW Ricardo generator set-Silent type

### Diesel Genset :

Model : HP015S1A	Steady-state voltage regulation (%) : $\leq \pm 1$
Prime Power : 15kw/19kva	Voltage fluctuation rate (%) : $\leq \pm 0.5$
Elevation : $\leq 1000m$	Transient voltage regulation (%) : $+20 \sim -15$
Voltage : 230V/400V	Voltage settling time (s) : $\leq 1$
Current : 27.06A	Steady state frequency regulation (%) : $\leq \pm 1$
Frequency : 50Hz	Frequency fluctuation rate (%) : $\leq \pm 0.5$
Speed : 1500rpm	Transient frequency regulation (%) : $+10 \sim -7$
Fuel Oil : 0#,-10#	Frequency stability time (S) : $\leq 3$
Dimension : 2000*850*1150mm	Fuel consumption (100% load) : $\leq 225g/kW \cdot h$
Weight : 810KGS	Noise (LP7m) : $\leq 75dB$

### Disel Engine :

Brand : Ricardo	Cooling Type : Water cooled
Rated Power : 20KW	Oil supply way: direct injection
Engine Model : 4TY23-20D	Speed adjustment way: electron speed governors
Cylinder No.: 4	Aspiration: Naturally Aspirated
Bore stroke : 88*95 mm	Overload capacity : 110%
Displacement : 2.31L	Compression ratio: 18:1
Starting system : DC12V electric start	Speed : 1500rpm

### Brushless Alternator :

Brand : DACPOWER	Level of protection : IP23
Model : DAC 184ES China Stamford brushless type, 100% copper	Connection mode: three-phase four-wire system
Prime Power : 15kw/19kva	Adjust way: AVR (automatic voltage regulator)
Voltage : 230V/400V	Frequency : 50Hz
Insulation class: class H	Power factor : $\cos\phi=0.8$

### Others :

Silent type	With controller
Packing: Plastic Flim + Tarpaulin cover	With ATS