



HELVETICA POWER AG

100KW Ricardo Kofo generator set-Super Silent type

Diesel Genset :

Model : HP100S1A	Steady-state voltage regulation (%) : $\leq \pm 1$
Prime Power : 100kw/125kva	Voltage fluctuation rate (%) : $\leq \pm 0.5$
Elevation : $\leq 1000\text{m}$	Transient voltage regulation (%) : $+20 \sim -15$
Voltage : 400V	Voltage settling time (s) : ≤ 1
Current : 180.43A	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) : ≤ 3
Dimension : 2600*1100*1350mm	Fuel consumption (100% load) : $\leq 225\text{g/kW}\cdot\text{h}$
Weight : 1380KGS	Noise (LP7m) : $\leq 68\text{dB}$

Disel Engine :

Brand : Ricardo Kofo	Cooling Type : Water cooled
Rated Power : 110KW	Oil supply way: direct injection
Engine Model : 4RT55-110D	Speed adjustment way: electron speed governors
Cylinder No.: 4	Aspiration: Naturally Aspirated
Bore stroke : 110*140 mm	Overload capacity : 110%
Displacement : 5.32L	Compression ratio: 17:1
Starting system : DC24V electric start	Speed : 1500rpm

Brushless Alternator :

Brand : HELVETICA POWER	Level of protection : IP23
Model : DAC 274D China Stamford brushless type, 100% copper	Connection mode: three-phase four-wire system
Prime Power : 100kw/125kva	Adjust way: AVR (automatic voltage regulator)
Voltage : 230V/400V	Frequency : 50Hz
Insulation class: class H	Power factor : $\text{COS}\Phi=0.8$

Others :

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