



## 100KW Ricardo Kofo generator set-Super Silent type

### Diesel Genset:

|                                |                                                                  |
|--------------------------------|------------------------------------------------------------------|
| Model: HP100S1ASR              | 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) : $\leq 1$                             |
| 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) : $\leq 3$                          |
| Dimension: 2600*1150* 1450mm   | Fuel consumption (100% load): $\leq 225\text{g/kW}\cdot\text{h}$ |
| Weight: 1495KGS                | 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: HP274D Copy 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: $\cos\Phi=0.8$                  |

### Others :

|                                         |                                         |
|-----------------------------------------|-----------------------------------------|
| Super Silent type                       | With Remote Control, CEE sockets, fuses |
| Packing: Plastic Flim + Tarpaulin cover | With ATS                                |