

WT-R100 100KVA Technical Data sheet



ISO
9001
QUALITY
ASSURANCE

Professional Genset Manufacture On Your Side
FUZHOU WINTPOWER TECHNOLOGY CO., LTD

WT RICARDO KOFO SERIES DIESEL GENERATOR SETS

TECHNICAL SPECIFICATION

KOFO POWERED GENERATOR SETS: WT-R100

Quality Standards

Our diesel generating sets meets the following standards:
GB/T2820, GB1105, YD/T502, ISO3046, ISO8525, ISO8525-3-5-6, EPA

Factory Test

Each our generating sets must be got through 1 hour load test for running 0%, 25%, 50%,75%, 100% and 110% load before dispatch, All protective devices, control functions are simulated and it's system checked, proved and then passed for dispatch. A test certificate can be provided upon request.

MAIN SPECIFICATIONS OF GENERATOR SETS

| <i>Diesel Generator Set</i> | |
|---|-------------------------------------|
| GENSET MODEL NO. | WT-R100 |
| Manufacturer | Kentpower China |
| Rated speed / frequency | 1500 rpm / 50 Hz |
| Continuous output (KW/KVA) | 70/88 |
| Standby output (KW/KVA) | 80/100 |
| Voltage, Phase and wire | 400/230V, 3 Phase and 4 Wires |
| Rated power factor | 0.8 (lagging) |
| Maximum output current(A) | 139A |
| Dimension(L*W*H)(mm) - open type | 2200x900x1350 |
| Weight(kg) | 1200kg |
| Dimension(L*W*H)(mm) - silent type | 2900x1100x1550 |
| Rating Definitions (Operation at Altitude ≤1000m, Ambient temperature ≤ 40°C) | |
| Continuous Power | |
| These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and this model can supply 10% overload power for 1 hour in 12 hours. | |
| <i>Diesel Engine</i> | |
| DIESEL ENGINE MODEL | 4RT55-88D (RICARDO KOFO) |
| Type | Vertical, water cooling, four stoke |
| Combustion chamber type | Direct injector |
| Number of cylinders | 4 |
| Bore(mm) | 110 |
| Stoke(mm) | 140 |
| Compression ratio | 17:1 |
| Total displacement(L) | 5.32 |
| Firing order | 1-3-4-2 |
| Rated power(KW) | 88KW/1500RPM |

| | |
|--|-----------------------------|
| Main specific fuel consumption rate at full load(g/kW.h) | ≤≤238 |
| Cooling method | Forced water cooled |
| Starting method | Electric |
| Net mass kg | 523 |
| Overall dimensions(L*W*H) (mm) | 1410×750×1570 |
| ALTERNATOR | |
| ALTERNATOR MODEL | WT224G68 (WT Series) |
| Maxima Output(kw) | 80kw |
| Excitation | Brushless |
| Insulation class | H |
| Protection class | IP23 |
| Efficiency | 88.5% |
| Voltage adjust range | ≥±5% |
| Steady state voltage regulation | ≤±0.5% |
| Voltage Control | AVR AS440 |
| Generating Set Control System HGM6120NC | |
| AC/DC control panel consisting of: <ul style="list-style-type: none"> ↪ Emergency Stop button ↪ Voltmeter and selector switch ↪ Ammeter and selector switch ↪ Frequency meter ↪ Controller Smartgen HGM6120NC with following (and not restricted to) features: <ul style="list-style-type: none"> ☺ Auto/Manual-Start/Stop ☺ Monitor engine temperature and provides shutdown protection ☺ Monitor engine speed and provides optional shutdown protection ☺ Monitor oil pressure or level and provides shutdown protection ☺ Water temperature display ☺ Alarm output for abnormal operation ☺ Tamper proof engine hours ☺ Front Panel Mounting ☺ Auxiliary shutdown input | |

Available Options:

----Weatherproof Canopy, Soundproof Canopy, Trailers, Automatic mains failure panel, Manual transfer panel, Automatic transfer Panel, Fully Automatic Synchronizing and load Sharing Panel, Manual Synchronizing Panel.

In line with our policy of continuous product development, we reserve our right to change the above specifications without notice.