

## WT-R50 50KVA Technical Data sheet



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-R50**

**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>	
<b>GENSET MODEL NO.</b>	<b>WT-R50</b>
Manufacturer	WINTPOWER China
Rated speed / frequency	1500 rpm / 50 Hz
Continuous output (KW/KVA)	36/45
Standby output (KW/KVA)	40/50
Voltage, Phase and wire	400/230V, 3 Phase and 4 Wires
Rated power factor	0.8 (lagging)
Maximum output current(A)	72A
Dimension(L*W*H)(mm) - <b>open type</b>	1900x800x1300
Weight(kg)	950kg
Dimension(L*W*H)(mm) - <b>silent type</b>	2500x980x1450
<b>Rating Definitions</b> (Operation at Altitude ≤1000m, Ambient temperature ≤ 40°C)	
<b>Continuous Power</b>	
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>	
<b>DIESEL ENGINE MODEL</b>	<b>N4105DS-42 (RICARDO KOFO)</b>
Type	Vertical, water cooling, four stoke
Combustion chamber type	Direct injector
Number of cylinders	4
Bore(mm)	105
Stoke(mm)	120
Compression ratio	17:1
Total displacement(L)	4.15
Firing order	1-3-4-2
Rated power(KW)	46KW/1500RPM

## WT SERIES KOFO DIESEL GENERATINGSETS

Main specific fuel consumption rate at full load(g/kW.h)	≤≤230
Cooling method	Forced water cooled
Starting method	Electric
Net mass kg	380
Overall dimensions(L*W*H) (mm)	1025×800×1630
<b>ALTERNATOR</b>	
<b>ALTERNATOR MODEL</b>	<b>WT224G40 (WT Series)</b>
<b>Maxima Output(kw)</b>	<b>40kw</b>
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
<b>Generating Set Control System HGM6120NC</b>	
<b>AC/DC control panel consisting of:</b> <ul style="list-style-type: none"> <li>↺ <b>Emergency Stop button</b></li> <li>↺ <b>Voltmeter and selector switch</b></li> <li>↺ <b>Ammeter and selector switch</b></li> <li>↺ <b>Frequency meter</b></li> <li>↺ <b>Controller Smartgen HGM6120NC with following (and not restricted to) features:</b> <ul style="list-style-type: none"> <li>☺ <b>Auto/Manual-Start/Stop</b></li> <li>☺ <b>Monitor engine temperature and provides shutdown protection</b></li> <li>☺ <b>Monitor engine speed and provides optional shutdown protection</b></li> <li>☺ <b>Monitor oil pressure or level and provides shutdown protection</b></li> <li>☺ <b>Water temperature display</b></li> <li>☺ <b>Alarm output for abnormal operation</b></li> <li>☺ <b>Tamper proof engine hours</b></li> <li>☺ <b>Front Panel Mounting</b></li> <li>☺ <b>Auxiliary shutdown input</b></li> </ul> </li> </ul>	

### 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.**