

# WINTPOWER®

WT-KF138 138KVA Technical Data sheet



ISO  
9001  
QUALITY  
ASSURANCE

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

**WT SERIES KOFO DIESEL GENERATING SETS**

**TECHNICAL SPECIFICATION**

**KOFO POWERED GENERATOR SETS: WT-R138**

**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-R138</b>
Manufacturer	WINTPOWER China
Rated speed / frequency	1500 rpm / 50 Hz
Continuous output (KW/KVA)	100/125
Standby output (KW/KVA)	110/138
Voltage, Phase and wire	380/220V, 3 Phase and 4 Wires
Rated power factor	0.8 (lagging)
Maximum output current(A)	180A
Dimension(L*W*H)(mm) - <b>open type</b>	2350x900x1330
Weight(kg)	1480kg
Dimension(L*W*H)(mm) - <b>silent type</b>	2950x1100x1470
<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>R6105AZLDS (KOFO)</b>
Type	Vertical, water cooling, four stoke
Combustion chamber type	Direct injector
Number of cylinders	6
Bore(mm)	105
Stoke(mm)	130
Compression ratio	17:1
Total displacement(L)	6.75
Firing order	1-3-4-2
Rated power(KW)	120KW/1500RPM

**WT SERIES KOFO DIESEL GENERATINGSETS**

Main specific fuel consumption at full load(g/kW.h)	≤2.04
Cooling method	Forced water cooled
Starting method	Electric
Net mass	630
Overall dimensions(L*W*H) (mm)	1160×620×1120
<b>ALTERNATOR</b>	
<b>ALTERNATOR MODEL</b>	<b>WT274D (WT Series)</b>
<b>Maxima Output(kw)</b>	<b>110kw</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
<b>Generating Set Control System DSE4620</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 DEEPDEA DSE4620 with following (and not restricted to) features:</b> <ul style="list-style-type: none"> <li>☺ <b>Auto/Key-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.**