

# TECHNICAL SPECIFICATION

## YANGDONG POWERED GENERATOR SETS: KT-Y50

### 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>KT-Y50</b>
Manufacturer	Kentpower China
Rated speed / frequency	1500 rpm / 50 Hz
Continuous output (KW/KVA)	36/45
Standby output (KW/KVA)	40/50
Voltage, Phase and wire	380/220V, 3 Phase and 4 Wires
Rated power factor	0.8 (lagging)
Maximum output current(A)	76
Dimension(L*W*H)(mm) - <span style="color: red;">open type</span>	1794*800*1000
Weight(kg)	980
Dimension(L*W*H)(mm) - <span style="color: red;">silent type</span>	2000*980*1250
<b>Rating Definitions</b> (Operation at Altitude $\leq$ 1000m, Ambient temperature $\leq$ 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>Y4102ZLD (YANGDONG)</b>
Type	Vertical, water cooling, four stroke
Combustion chamber type	Direct injector
Number of cylinders	4
Bore(mm)	102
Stroke(mm)	118
Compression ratio	18
Total displacement(L)	3.875
Firing order	1-3-4-2

Rated power(KW)	48/1500RPM
Main specific fuel consumption at full load(g/kW.h)	≤225
Cooling method	Forced water cooled
Starting method	Electric
Net mass	340
Overall dimensions(L*W*H) (mm)	892×618×740
<b>ALTERNATOR</b>	
<b>ALTERNATOR MODEL</b>	<b>KT224D (Kentpower)</b>
<b>Maxima Output(kw)</b>	<b>50kva/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
<b>Generating Set Control System ComAp AMF20</b>	
<p><b>AC/DC control panel consisting of:</b></p> <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 ComAp AMF20 with following (and not restricted to) features:</b> <ul style="list-style-type: none"> <li>☺ <b>Auto/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> <li>☺ <b>LED displayer</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.**