

WT-YD45 45KVA Technical Data sheet



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

WT YANGDONG SERIES DIESEL GENERATOR SETS

TECHNICAL SPECIFICATION

YANGDONG POWERED GENERATOR SETS: WT-YD45

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-YD45
Manufacturer	Wintpower China
Rated speed / frequency	1500 rpm / 50 Hz
Continuous output (KW/KVA)	32/40
Standby output (KW/KVA)	36/45
Voltage, Phase and wire	380/220V, 3 Phase and 4 Wires
Rated power factor	0.8 (lagging)
Rated output current(A)	68
Dimension(L*W*H)(mm)- open type	1794*800*1000
Weight(kg)	980
Dimension(L*W*H)(mm)- silent type	2200x930x1230
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	Y4102ZLD (YANGDONG)
Type	Vertical, water cooling, four stoke
Combustion chamber type	Direct injector
Number of cylinders	4
Bore(mm)	102
Stoke(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
ALTERNATOR	
ALTERNATOR MODEL	WT224C (Wintpower 45KVA)
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 ComAp AMF9	
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 ComAp AMF9 with following (and not restricted to) features: <ul style="list-style-type: none"> ☺ Auto/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 ☺ LED displayer 	

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.