

WT-YD18 18KVA 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-YD18

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-YD18
Manufacturer	Wintpower China
Rated speed / frequency	1500 rpm / 50 Hz
Continuous output (KW/KVA)	13/16
Standby output (KW/KVA)	14/18
Voltage, Phase and wire	220V, 1 Phase and 4 Wires
Rated power factor	0.8 (lagging)
Rated output current(A)	59
Dimension(L*W*H)(mm)- open type	1680*800*1000
Weight(kg)	900
Dimension(L*W*H)(mm)- silent type	2000*900*1150
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	YND485D (YANGDONG)
Type	Vertical, water cooling, four stoke
Combustion chamber type	Direct injector
Number of cylinders	4
Bore(mm)	85
Stoke(mm)	95
Compression ratio	18
Total displacement(L)	2.156
Firing order	1-3-4-2
Rated power(KW)	17KW/1500RPM

Main specific fuel consumption at full load(g/kW.h)	≤247
Cooling method	Forced water cooled
Starting method	Electric
Net mass	200
Overall dimensions(L*W*H) (mm)	820*590*638
ALTERNATOR	
ALTERNATOR MODEL	WT164C (Wintpower 18KVA)
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	
<p>AC/DC control panel consisting of:</p> <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.