



DIESEL GENERATOR SETS

R-YD Series

Powered by Yangdong Engines

R-YD8/S



Ratings at 1 power factor

- 1) Ambient reference conditions: 1,000 mbar, 27°C, 30% relative humidity
- 2) Standby Power Standby duty, operation under variable load, without over load;
- 3) Prime Power-Continuous duty operation, under variable load 24/24h-10% over load permissible 1 hour/12 hours

Features

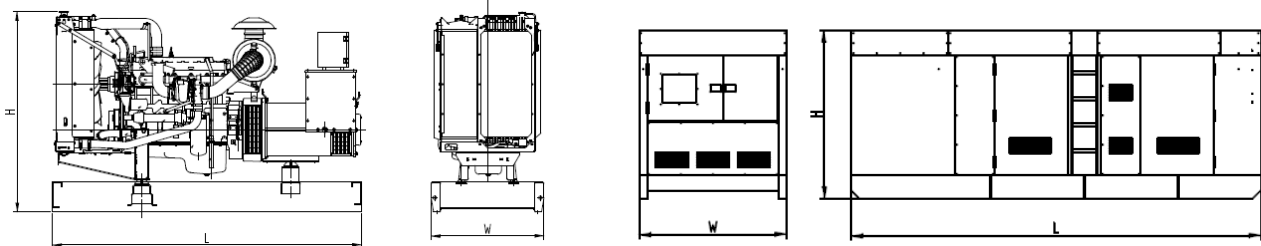
- Strong power, high torque, easy to maintain, easy to start;
- Low noise, low emissions;
- Cabinet made of high quality sheet metal, corrosion-resistant, scratch-resistant;
- Canopy sealing performance, high waterproof, dust-proof, rain, dust and other difficult to access;
- Omni-directional control, easy connection and simple;
- Cranes, fork, pull, drag, easy transportation;
- ≥8-hour fuel tanks;
- Open Type with 40 c radiator, Soundproof type with 50 °C radiator

Generator Data

Engine Brand & Model	Yangdong & YD385D	
Alternator Brand & Model	WERNA & WR164B	
Control System	Datakom D200	
Standard Noise Level@7m (Soundproof Sets)	68 dBA	
Circuit Breaker Type	2 Pole MCCB	
Tank (L)	50	
Fuel Consumption (g/kW.h)	110% Load	/
	100% Load	262.5
	75% Load	/
	50% Load	/

Dimensions and Weights

Content		Open Sets	Soundproof Sets
Dimensions: (mm)	L	1160	1910
	W	760	750
	H	1170	1100
Weights (kg)		500	650



Engine Brand / Model: YANGDONG / YD385D

No. of Cylinders / Alignment	3 / In Line	Gross Engine	Prime	11
Cycle	4 Stroke	Power (kW)	Standby	12
Bore / Stroke	85 mm / 90 mm	Compression Ratio	22:1	
Induction	NA	Displacement (L)	1.531	
Cooling Method	Water	Governing Type	Electronic	
Lubricant Oil	15W40-CF4 Upgrade	Net weight (kg)	175	
Lubricant Oil Capacity (L)	5.3	Coolant Capacity (L)	/	

Alternator Brand / Model: WERNA / WR164B

Rated Capacity (kVA)	8.8	A.V.R. Model	AS440
Rated Power (kW)	8.8	Voltage Regulation (no load- full load)	± 1.0%
THF(BS EN60034 – 1)	<2%	Underspeed Protection	Standard
Bearing Number	Single	Protection	IP23
Windings	100% Copper	Phase Sequence	A(U), B(V), C(W)
Silicon Steel Core Processing	One Piece Punching	TIF(NEMA MG 1-22)	<50
Insulation Class	H	Excitation System	Self-excited, SHUNT
Winding Pitch	2 / 3	Ambient Temp	50 °C
Amortisseur Winding	Full	Stator Rated Temp	125 °C

Control System :



WEB BASED D-200

The D-200 is the lowest cost genset controller with full set of features, ready for internet monitoring.

FEATURES

- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16Amp MCB & GCB outputs
- 6 configurable digital inputs
- 5 configurable digital outputs
- 3 configurable analog inputs
- Standard MPU input
- Optional CANBUS-J1939
- 3 configurable service alarms
- Dual mutual standby with equal aging of gensets
- Idle speed control
- Battery charge run enabled
- Combat mode support
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable from USB & GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring
- Mobile genset support
- Automatic GSM geo-location
- Easy USB firmware upgrade
- IP65 rating with optional gasket

COMMUNICATION

- 4-band GPRS modem (optional)
- USB Device
- J1939-CANBUS (optional)
- Geo-locating through GSM
- Internet Central Monitoring
- SMS message sending
- E-mail sending
- Free PC software: Rainbow Plus
- Modbus RTU

FUNCTIONALITIES

- AMF unit
- ATS unit
- Remote start controller
- Manual start controller
- Engine controller