



Images are for illustration purpose only

ENGINE

- YANGDONG heavy duty diesel engine
- 4-cycle, water cooled, naturally aspirated engine with direct injection
- 12 Volt starter motor and charge alternator with battery, rack and cables
- Replaceable air, fuel and oil filter
- Industrial type radiator
- Flexible fuel piping
- Oil sump drain valve and extension pipe
- Industrial/Residential type exhaust silencer.
- Maintenance free battery
- Jacket Water Heater
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

ALTERNATOR

- Brushless, single bearing, 4-pole alternator coupled with flexible disc coupling
- H type insulation class
- IP 21-23 protection
- Self exciting
- Electronic AVR

CONTROL PANEL

- DSE mains sensing or remote start control module
- Emergency stop push button
- Output circuit breaker
- Static battery charger
- Ready for remote monitoring

CANOPY

- Modular type sound-proof canopy
- Built from galvanized steel and epoxy, polyester powder painted
- Lockable doors on both sides of canopy designed for easy access to essential replacement parts
- Emergency stop push button
- Control Panel viewing window
- Bunded base fuel tank (Optional)
- Forklift Pockets
- Power cable entry with a gland plate

Standby Power

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Overloading is not allowed.

Prime Power

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%. The generator can be overloaded 10% for 1 hour per 12 hrs.

Base Power

Continuous power rating is used in applications where supplying power is at a constant 100% load for an unlimited number of hours.



EA Power Systems reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice

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MODEL		EAY11	EAY13	EAY17	
OUTPUT	Standby	kVA	11	13	17
		kW	9	10	14
	Prime	kVA	10	11	15
		kW	8	9	12
ENGINE	Engine		Yangdong	Yangdong	Yangdong
	Model		YD380D	YD385D	YD480D
	Configuration		INLINE	INLINE	INLINE
	No. of Cylinders		3	3	4
	Speed	rpm	1500	1500	1500
	Displacement	l	1.357	1.532	1.809
	Bore x Stroke	mm	80 x 90	85 x 90	80 x 90
	Compression Ratio		18:1	18:1	18:1
	Aspiration		Natural	Natural	Natural
	Governor Type		Mechanic/Electronic	Mechanic	Electronic
	Cooling		Water	Water	Water
	Coolant Capacity	l	11	11.1	11.3
	Lubrication Oil Capacity	l	4.5	4.5	5
	Fuel Consumption l/h	100%Load	3	4	4
75% Load		3	3	3	
50%Load		2	3	3	
ALTERNATOR	Phase		3	3	3
	Pole		4	4	4
	No. of Leads		12	12	12
	Excitation System		AVR	AVR	AVR
	Insulation Class		H	H	H
	IP Protection		IP23	IP23	IP23
	Power Factor		0.8	0.8	0.8
	Frequency	Hz	50	50	50
	Voltage	V	400	400	400
SIZE	Canopy Set Dimensions (LxWxH) & Weight	mm	1750 x 900 x 1340	1750 x 900 x 1340	1950 x 900 x 1340
		kg	520	550	570
	Open Set Dimensions (LxWxH) & Weight	mm	1400 x 900 x 1145	1400 x 900 x 1145	1600 x 900 x 1145
		kg	345	372	392
	Fuel Tank Capacity	l	82	82	82

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CONTROL MODULE

DSE 7 Series Control Module

State of the art microprocessor controlled

4line, 64 x 132 pixel display LCD display

Automatic mains failure sensing

Front panel manual programming

User friendly setup and button layout

Remote start

Event logging, showing date and time

Stop/Reset, Manual

Displays

Engine Speed (rpm)

Oil pressure

Fuel Level (%)

Coolant temperature

Running Hours

Battery voltage monitoring

Generator Voltage (LL. LN)

Generator Current (L1-L2-L3)

Generator Frequency (Hz)

Generator Load & Power Monitoring (kW. kVA.

kVAr. pf)

Mains Voltage (LL. LN)

Mains Frequency

Generator Set Ready

Mains Ready



Alarms

High coolant temperature

Low Fuel Level

Low oil pressure

Charge failure

Battery Low/High voltage

Fail to start

Fail to stop

High/Low Generator voltage

Generator Over/Under frequency

Generator Over/Under Speed

