



Dayliff DGY generators are robust, high quality units designed for continuous duty in a wide range of power supply applications. All sets offer the following features:-

- Powered by dependable and efficient Dayliff Y Series water cooled diesel engines with 12V starter system the for small sizes and 24V starter systems for 30kVA and above
- Close coupled at 1500rpm to a brushless single bearing alternator with solid state AVR regulation.
- Base frame mounted on anti-vibration mounts and including a high capacity base mounted fuel tank for extended operation time.
- Powder coated sound and weather proof canopies with residential silencer for extremely low noise operation.
- Integral DSE digital control module that provides selectable readout of electrical voltage, phase current, output frequency and battery voltage and engine speed, hours run, oil pressure and coolant temperature.
- Automatic shut down protection in the event of low engine oil pressure, high engine temperature and over and under speed with warning indicators provided for each condition.
- Digital automatic mains failure provision for starting the generator. An additional automatic transfer switch is also required for mains/generator power transfer.

Dayliff DGY Yanan diesel generators are reliable economical and high specification products that are the ideal solution for all continuous duty and standby power generating requirements.

#### TECHNICAL DATA

GENERATOR MODEL		DGY 7Y	DGY 12YM	DGY 12Y	DGY 16Y	DGY 24Y	DGY 36Y	DGY 48Y	DGY 60Y	
Prime/Standby Power Output	kVA	9/10	12/13	15/17	20/22	30/33	45/50	60/66	75/83	
	kW	7/8	12/13		16/18	24/26	36/40	48/53	60/66	
Engine Data	Type	YD380D	YND 485D	YSD490D	Y4102D	Y4102ZLD	YD4EZLD	YD4110ZLD		
	Rated Power @ 1500rpm (kW)	11	17	20	33	48	63	76.7		
	Max Power @ 1500rpm (kW)	12	18.7	22	36.3	52.8	69.3	80.7		
	Aspiration	Naturally Aspirated					Turbo Aftercooled			
	No. of cylinders	3	4							
	Displacement (L)	1.4	2.2	2.5	3.9		4.3			
	Fuel Consumption (litres/hr)	75% load	2.5	3.8	4.4	6.9	9.7	12.4	16.3	
		100% load	3.3	5	5.8	9.2	12.9	16.5	20.9	
Fuel Tank Size (litres)	100				150				160	
Alternator Data	Alternator Type	Self excited 4 pole (1500rpm) single bearing, brushless								
	Output Voltage	3x400V	1x240V	3x400V						
	Voltage Regulation	Solid state AVR±1.0% with 4% engine governing								
	Insulation Class	H								
	Protection Rating	IP21								
Dimensions & Weights	Length, A (mm)	1800			1900	2300		2400		
	Width, B (mm)	1000				1100				
	Height, C (mm)	1180					1240		1280	
	Dry Weight (kgs)	770	800	860	1070	1230	1260	1390		

**DERATING:** Given outputs are sea level ratings. Sets should be derated at 1% for every 100m higher than 100m above sea level, and 2% for every 5°C temperature above 20°C for naturally aspirated engines.