

OPTI GF3 Series

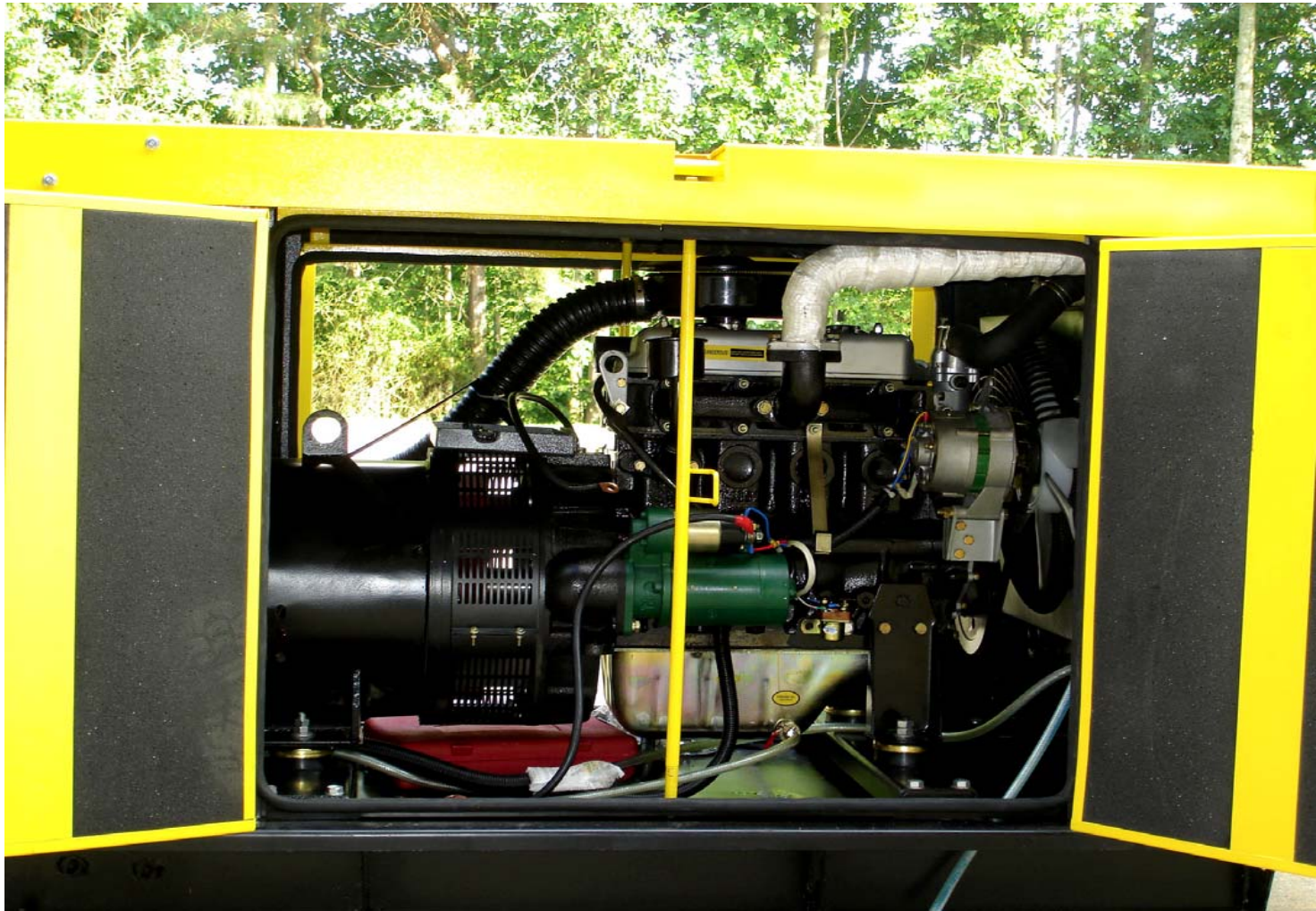


Optigenerators International Inc.

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Specifications of Partial OPTI GF3 Series

Set	Type	GF3-10S	GF3-15S	GF3-20S	GF3-30S	GF3-40S	GF3-50S	GF3-75S	GF3-100S
	Rated Output(KW)	8.33/10	12.5/15	16.7/20	25/30	36.6/40	41.7/50	62.5/75	83.3/100
	Rated Voltage(V)	208/120							
	Rated Current(A)	28.8/34.7	43.4/52	57.9/69.4	86.7/104.1	127/138.8	144.7/173.5	216.9/260.2	289.2/347.2
	Rated Frequency(Hz)	50/60							
	Power Factor(cos ϕ)	0.8							
	Fuel Tank Capacity(G)	6	10	12	18	20	30	45	55
	Water Tank Capacity(L)	6.8	6.8	6.8	6.8	6.8	6.8	10.2	13.6
	Oil Capacity(L)	5.5	5.5	5.5	7.25	7.25	7.25	8.25	13
	Decibels at 7 M.	70-72 dB							
Engine	Model*	YND480G	YND485G	YSD490G	Y4102G	R4100ZD	DF4135D	DF6135D	TBD226B-6D
	Type	Four stroke, water-cooled, in-line, direct injection diesel							
	Number of cylinders	4						6	
	Bore x Stroke (mm x mm)	80 X 90	85 X 95	90 X 100	102 X 118	100 X 125	135 X 140	135 X 140	105 X 120
	12h Power (KW)	10.8/13	15/18	19.2/23	30/36	45.8/55	58.7/70.5	88.1/105.7	123.8/148.5
	Rated Speed(r/min)	1500/1800							
	Firing order	1-3-4-2						1-5-3-6-2-4	
	Fuel Consumption (g/KW.h)	262.5	265.2	247.5	238	233	232.6	232.6	205
	Combustion chamber type	Direct injector							
	Compression ratio	18							
	Total displacement (CC)	1809	2156	2540	3857	3610	8017	12025	6230
Starting System	12V								
Generator	Type	STC-10	STC-15	STC-20	STC-30	STC-40	STC-50	STC-75	STC-100
	Rated Output(KW)	10	15	20	30	40	50	75	100
	Phase Connection	3-Phase, 4-Wire (single phase also available)							
	Winding Connection	Star-connected							
	Excitation Method	Brush (Brushless is optional)							
	Voltage Regulation Method	AVR							
	Insulation Method	F							
Package	Outside Dimension (L*W*H in cm)	175 x 80 x 90	188 x 91 x 100	188 x 91 x 100	215 x 93.5 x 119	226 x 103 x 130	260 x 112 x 160	310 x 145 x 210	310 x 145 x 210
	Net Weight(kg)	900	1000	1480	1950	2300	2400	2500	2500

*Engine model subject to change without notice. Please call for details.

Detailed Product Features

1. Water-cooled, in line four-stroke, direct injection diesel engine	21. Fuel level, fuel temperature display
2. Water-cooled with "F" Class Insulation	22. Audible and visual alarm lamps and buzzers
3. Brush Alternator, Brushless is optional	23. 12VDC alternator is used to start engine
4. Eight hrs operation base tank	24. Short circuit protection air switch MCCB used
5. Key start / auto start	25. Pre-heater
6. Sound-proof / weather-proof canopy	26. oil, fuel and air filters
7. 120V/208V AC at 50Hz / 60Hz, 0.8 PF three-phase and four wires	27. Exhaust elbow, bellow, muffler
8. Alternating current output	28. Steel structure
9. Frequency: <3%	29. Fan and water tank cooling system
10. Frequency at stable state: <0.5%	30. Flange connector
11. Frequency deviation at instantaneous state: $\leq +10\%$	31. 12V starting motor and charge engine
12. Frequency return time: $\leq 3s$	32. Air cleaner, fuel cleaner, oil cleaner
13. Voltage deviation at stable state: $\leq \pm 1\%$	33. On-board control panel
14. Voltage deviation at instantaneous state: $\leq +20\%$	34. MCCB air conservation switch
15. Voltage return time: $\leq 4s$	35. 12V starting accumulator and Battery line
16. Voltage modulation: $\leq 0.3\%$	36. Set shock absorber
17. Standard configuration of gensets:	37. High-efficient silencer
18. Unit voltage, tri-phase load current and frequency display	38. Packed in a wooden case
19. Water temperature, oil pressure display	39. ATS is optional
20. Automatic alarm system: the unit has the acousto-optics alarm system and arrester for any situation as the start defeat, the water is over temperature, the oil pulls down, over speed, over load and over current.	40. Combined cooling water tank fitted to meet the requirement of radiation at ambient temperature 40°C