

Genset Model	OPK880	Fuel	Diesel	Engine Model	ODK12HT2450G	Alternator Model	OF640AT-S4	Control Panel	IGC2830
Genset No.	DG202305072A	Governor	ECU	Engine No.	DE230500120	Alternator No.	OA202305129	Speed	1500
Prime Power	800 kVA/640 kW	Rate Ur	400V	Rated Frequency	50HZ	Excitation Way	PMG		
Standby Power	880 kVA/704 kW	Rate Ir	1270A	Power Factor	0.8	Report Number	DGTR20231225002		

Test Item

Check the Exterior of Generator	√	Insulation Dielectric Strength Test		√	Check Every Indicating Equipment's Work Condition of Control Screen			√
Measure Insulation Resistance	√	Check Start Performance at Normal Temp.		√	Check Battery Charging	√	Check Indicating Strument	√
Between Armature and Ground	√	Check Phase Series		√	Check Overspeed Stoppage	√	High Water Temp. Protection	√
Between Excit Winding and Ground	√	Check No-Load Voltage Rated Range:90%~110%		√	Check Emergency Stoppage	√	Check Low Oil Presure Protection	√
Relative Humidity	45%		Environmental Temperature		10℃	Atmosphere Pressure		100.61Kpa

Load Test

Load%	Power (KW)	Voltage(V)			Current(A)			Steady Power Factor	Frequency F1(Hz)	Remark Record
		Uab	Ub	Uc	Ia	Ib	Ic			
0%										
25%	160	402	400	401	287.25	288.68	287.96	0.8	50.2	
50%	320	401	401	400	575.93	575.93	577.37	0.8	50.3	
75%	480	401	402	401	863.89	861.74	863.89	0.8	50.2	
100%	640	400	400	400	1154.73	1154.73	1154.73	0.8	50.2	
75%	480	401	401	400	863.89	863.89	866.05	0.8	50.4	
50%	320	402	402	401	574.49	574.49	575.93	0.8	50.2	
25%	160	401	401	401	287.96	287.96	287.96	0.8	50.3	
0%										
Con	ISO8528,GB/T2820-2009 unit technical conditions tested.									
	Tester:	Checker:			Date of Test:			2023.12.25	Test Time:	60mins