

**Customer**

Name: Type test HFV series - 50 - 125kVA

Engineer: FERNANDO

Test Centre: HIMOINSA, S.L.

**Supply**

Model: HFW-50 T5

 Rating: 48kVA      cosφ=1      48kW      4Wire  
           400V            50Hz            3ph

**Class:**

G3	Steady state	Transient Increase	Transient Decrease	Recovery Time (s)	Tolerance Band
Voltage:	0,99%	11,84%	-11,4%	4	
Frequency:	0,20%	4,67%	-4,60%	3	

**Engine**

 Make: IVECO      Type No.: FT32NM1A  
 Serial No: 1804071      Speed: 1500 rpm  
 Governor: ELECTRONICO      Battery GND: NEG  
    DIGITAL

**Alternator**

 Make: Mec-Alte      Type No      ECP32.2M4C  
 Serial No:      AVR:      DSR  
 Phase order:      Droop Kit:

**Test Summary**

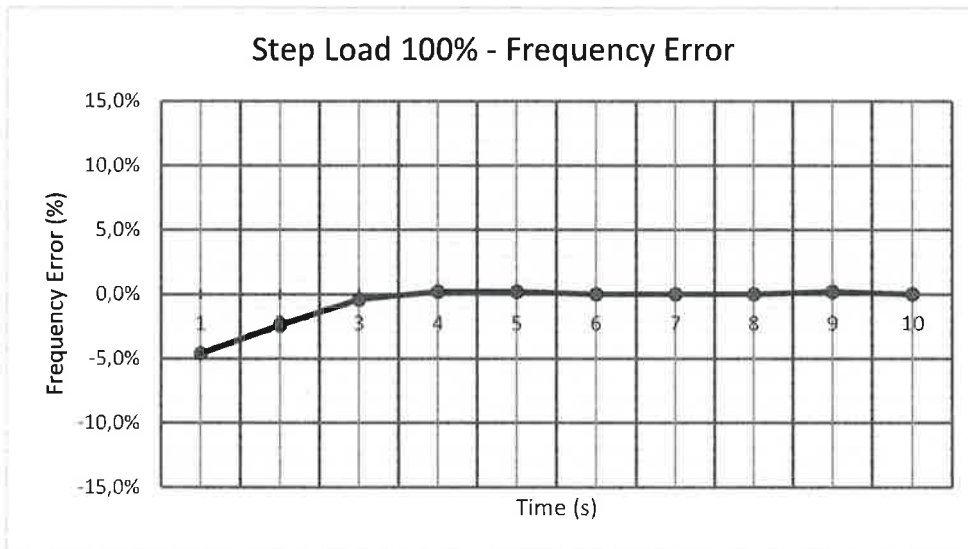
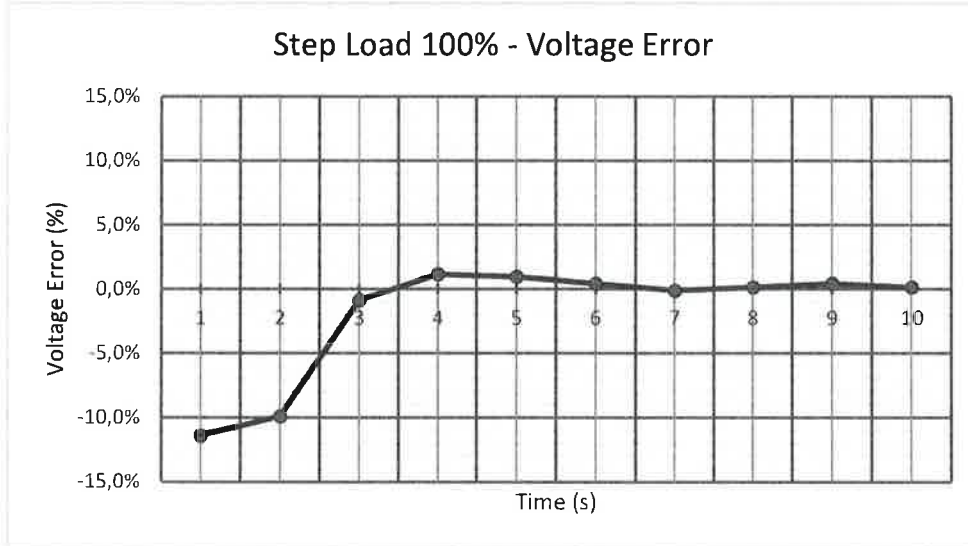
Step	Elapsed Time h:mm:ss	Power %kW	Power Factor cos_phi	Step Duration h:mm:ss	Power kVA	Power Factor cos_phi	Current A(L1)
1	0:00:00	0,0	1,00	0:01:01	0	1,00	0
2	0:01:01	25,0	1,00	0:01:01	12	1,00	17
3	0:02:02	50,0	1,00	0:02:02	24	1,00	35
4	0:04:04	75,0	1,00	0:03:02	36	1,00	52
5	0:07:06	100,0	1,00	0:07:06	48	1,00	69



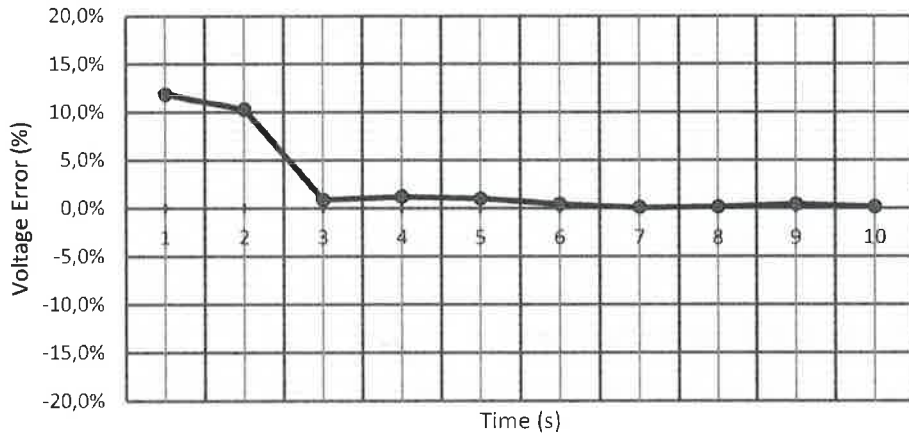
Elapsed Time	Power kVA	Power		Frequency Hz	Voltage V(L1-L2)	Voltage V(L2-L3)	Voltage V(L3-L1)	Current A(L1)	Current A(L2)	Current A(L3)
		Factor cos_phi								
Start										
Load Accepted: 0,0% 1,00cos_φ at 0:00:00										
0:00:26	0	1,00		50,1	400	401	401	0	0	0
0:00:52	0	1,00		50,1	400	400	401	0	0	0
Load Accepted: 25,0% 1,00cos_φ at 0:01:01										
0:01:18	12	1,00		50,1	401	401	402	17	17	17
0:01:44	12	1,00		50,1	401	401	402	17	17	17
Load Accepted: 50,0% 1,00cos_φ at 0:02:02										
0:02:10	24	1,00		50,1	399	400	399	34	34	34
0:02:36	24	1,00		50,1	400	401	403	34	34	34
0:03:02	24	1,00		50,1	401	402	403	34	34	34
0:03:28	24	1,00		50,0	401	401	402	34	34	34
0:03:54	24	1,00		50,0	401	401	402	34	34	34
Load Accepted: 75,0% 1,00cos_φ at 0:04:04										
0:04:20	36	1,00		50,0	398	399	398	52	52	52
0:04:46	36	1,00		50,0	400	400	400	51	51	51
0:05:12	36	1,00		50,0	402	401	402	51	51	51
0:05:38	36	1,00		50,0	401	399	401	51	52	51
0:06:04	36	1,00		50,0	400	400	400	51	51	51
0:06:30	36	1,00		50,0	400	399	400	51	52	51
0:06:56	36	1,00		49,9	400	400	400	51	51	51
Load Accepted: 100,0% 1,00cos_φ at 0:07:06										
0:07:07	48	1,00		47,7	353	362	356	78	76	77
0:07:08	48	1,00		48,8	359	366	365	77	75	75
0:07:09	48	1,00		49,8	395	401	405	70	69	68
0:07:10	48	1,00		50,1	403	406	409	68	68	67
0:07:11	48	1,00		50,1	402	408	408	68	67	67
0:07:12	48	1,00		50,0	400	403	408	69	68	67
0:07:13	48	1,00		50,0	398	401	406	69	69	68
0:07:14	48	1,00		50,0	399	401	404	69	69	68
0:07:15	48	1,00		50,1	400	405	410	69	68	67
0:07:16	48	1,00		50,0	399	403	409	69	68	67
0:07:22	48	1,00		50,0	400	402	401	69	68	69
0:07:48	48	1,00		50,0	400	401	400	69	69	69
0:08:14	48	1,00		50,0	400	400	399	69	69	69
0:08:40	48	1,00		50,0	400	399	399	69	69	69
0:09:06	48	1,00		50,0	400	400	400	69	69	69
0:09:32	48	1,00		50,0	400	399	400	69	69	69
0:09:58	48	1,00		50,0	400	399	400	69	69	69
0:10:24	48	1,00		50,0	400	399	400	69	69	69

0:10:50	48	1,00	50,0	401	399	400	69	69	69
0:11:16	48	1,00	50,0	399	399	400	69	69	69
0:11:42	48	1,00	50,0	399	399	400	69	69	69
0:12:08	48	1,00	50,0	399	399	400	69	69	69
0:12:34	48	1,00	50,0	400	399	400	69	69	69
0:13:00	48	1,00	50,0	400	399	400	69	69	69
0:13:26	48	1,00	50,0	400	399	400	69	69	69
0:13:52	48	1,00	50,0	400	399	400	69	69	69

Load Rejected at 0:14:18



Step Unload 100% - Voltage Error



Step Unload 100% - Frequency Error

