



Customer

Name: Type test HFV series - 50 - 125kVA

Engineer: EZEQUIEL MARTINEZ

Test Centre: HIMOINSA, S.L.

Supply

Model: HFW 125 T5

Rating: 123kVA cosφ=1 123kW
400V 50Hz 3ph 4Wire

Class:

G3	Steady state	Transient Increase	Transient Decrease	Recovery Time (s)	Tolerance Band
Voltage:	0,66%	11,58%	-11,1%	4	
Frequency:	0,44%	4,67%	-4,60%	3	

Engine

Make: IVECO Type No.: NEF45TM3
Serial No: 1723114 Speed: 1500 rpm
Governor: ELECTRONICO DIGITAL Battery GND: NEG

Alternator

Make: Mec-Alte Type No: ECP34 1L/4A
Serial No: AVR: DSR
Phase order: Droop Kit:

Test Summary

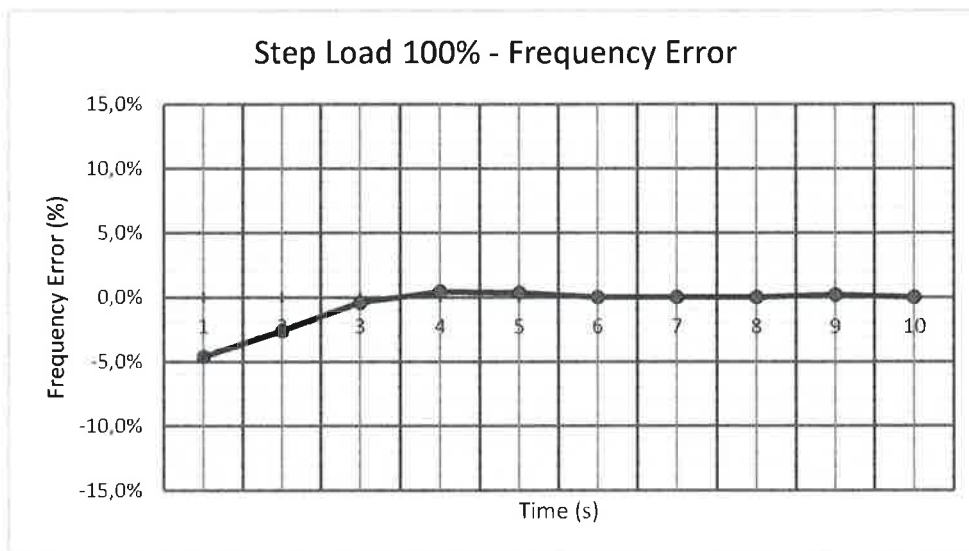
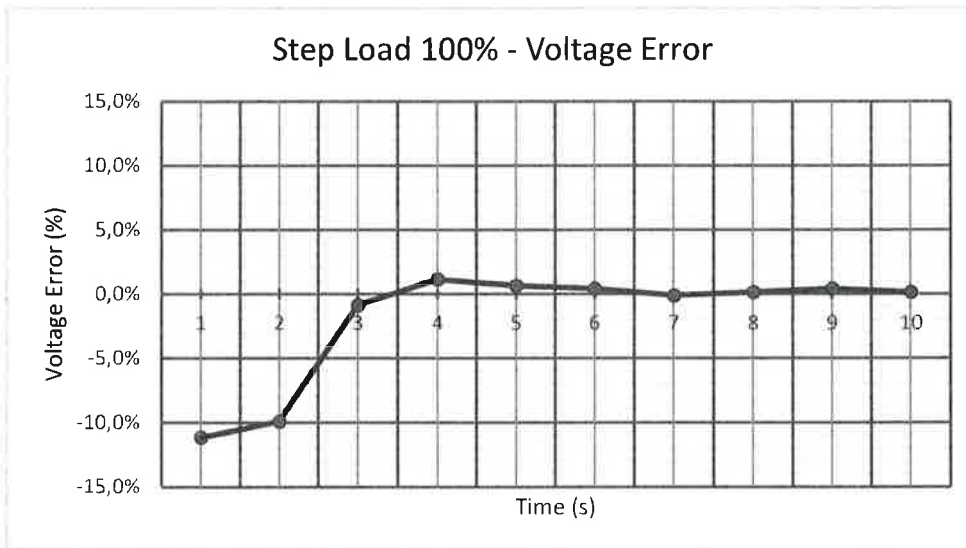
Step	Elapsed Time h:mm:ss	Power %kW	Power Factor cos_phi	Step Duration h:mm:ss	Power kVA	Power Factor cos_phi	Current A(L1)
1	0:00:00	0,0	1,00	0:01:00	0	1,00	0
2	0:01:00	25,0	1,00	0:01:01	30	1,00	43
3	0:02:01	50,0	1,00	0:02:00	61	1,00	88
4	0:04:01	75,0	1,00	0:03:00	92	1,00	133
5	0:07:01	100,0	1,00	0:06:59	123	1,00	178

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	402	401	401	0	0	0
0:00:52	0	1,00		50,1	402	401	401	0	0	0
Load Accepted: 25,0% 1,00cos_φ at 0:01:00										
0:01:18	30	1,00		50,1	402	402	401	43	43	43
0:01:44	30	1,00		50,1	402	402	400	43	43	43
Load Accepted: 50,0% 1,00cos_φ at 0:02:01										
0:02:10	61	1,00		50,1	399	400	400	88	88	88
0:02:36	61	1,00		50,1	400	401	400	88	87	88
0:03:02	61	1,00		50,1	401	402	401	87	87	87
0:03:28	61	1,00		50,0	401	401	401	87	87	87
0:03:54	61	1,00		50,0	400	401	400	88	87	88
Load Accepted: 75,0% 1,00cos_φ at 0:04:01										
0:04:20	92	1,00		50,0	399	399	398	133	133	133
0:04:46	92	1,00		50,0	400	400	400	132	132	132
0:05:12	92	1,00		50,0	401	401	401	132	132	132
0:05:38	92	1,00		50,0	401	399	401	132	133	132
0:06:04	92	1,00		50,0	400	400	400	132	132	132
0:06:30	92	1,00		50,0	401	400	401	132	132	132
0:06:56	92	1,00		49,9	400	400	400	132	132	132
Load Accepted: 100,0% 1,00cos_φ at 0:07:01										
0:07:02	123	1,00		47,7	354	362	364	200	196	195
0:07:03	123	1,00		48,7	359	363	368	197	195	192
0:07:04	123	1,00		49,8	395	400	403	179	177	176
0:07:05	123	1,00		50,2	403	407	414	176	174	171
0:07:06	123	1,00		50,2	401	406	403	177	174	175
0:07:07	123	1,00		50,0	400	401	411	177	176	172
0:07:08	123	1,00		50,0	398	402	408	178	176	173
0:07:09	123	1,00		50,0	399	404	401	177	175	177
0:07:10	123	1,00		50,1	400	406	406	177	174	174
0:07:11	123	1,00		50,0	399	404	403	177	175	176
0:07:22	123	1,00		50,0	400	402	401	177	176	177
0:07:48	123	1,00		50,0	400	401	400	177	177	177
0:08:14	123	1,00		50,0	400	400	399	177	177	177
0:08:40	123	1,00		50,0	400	399	399	177	177	177
0:09:06	123	1,00		50,0	400	400	400	177	177	177
0:09:32	123	1,00		50,0	400	399	400	177	177	177
0:09:58	123	1,00		50,0	400	399	400	177	177	177
0:10:24	123	1,00		50,0	400	399	400	177	177	177

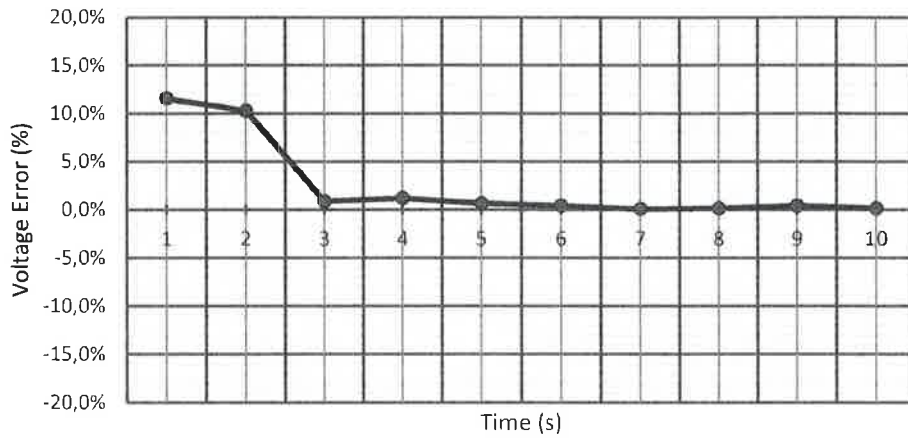


0:10:50	123	1,00	50,0	401	399	400	177	177	177
0:11:16	123	1,00	50,0	399	399	400	177	177	177
0:11:42	123	1,00	50,0	399	399	400	177	177	177
0:12:08	123	1,00	50,0	399	399	400	177	177	177
0:12:34	123	1,00	50,0	400	399	400	177	177	177
0:13:00	123	1,00	50,0	400	399	400	177	177	177
0:13:26	123	1,00	50,0	400	399	400	177	177	177
0:13:52	123	1,00	50,0	400	399	400	177	177	177

Load Rejected at 0:14:18



Step Unload 100% - Voltage Error



Step Unload 100% - Frequency Error

