



Customer

Name: Type test HFV series - 50 - 125kVA

Engineer: EZEQUIEL MARTINEZ

Test Centre: HIMOINSA, S.L.

Supply

Model: HFW-75 T5

Rating: 74kVA cosφ=1 74kW
400V 50Hz 3ph 4Wire

Class:

G3	Steady state	Transient Increase	Transient Decrease	Recovery Time (s)	Tolerance Band
Voltage:	0,66%	11,32%	-10,9%	4	
Frequency:	0,30%	4,47%	-4,40%	3	

Engine

Make: IVECO Type No.: NEF45M2A
Serial No: 1804729 Speed: 1500 rpm
Governor: ELECTRONICO DIGITAL Battery GND: NEG

Alternator

Make: Mec-Alte Type No: ECP32.1L4C
Serial No: AVR: DSR
Phase order: Droop Kit:

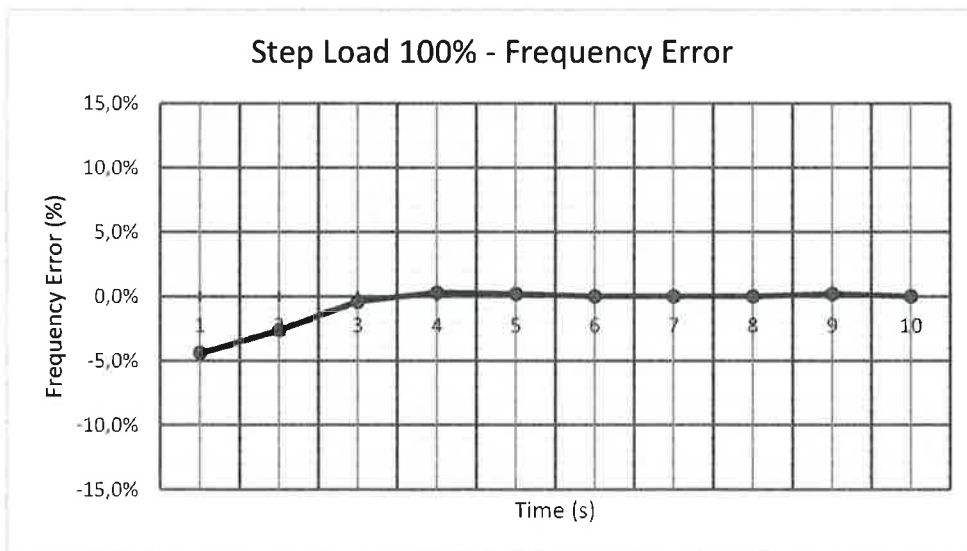
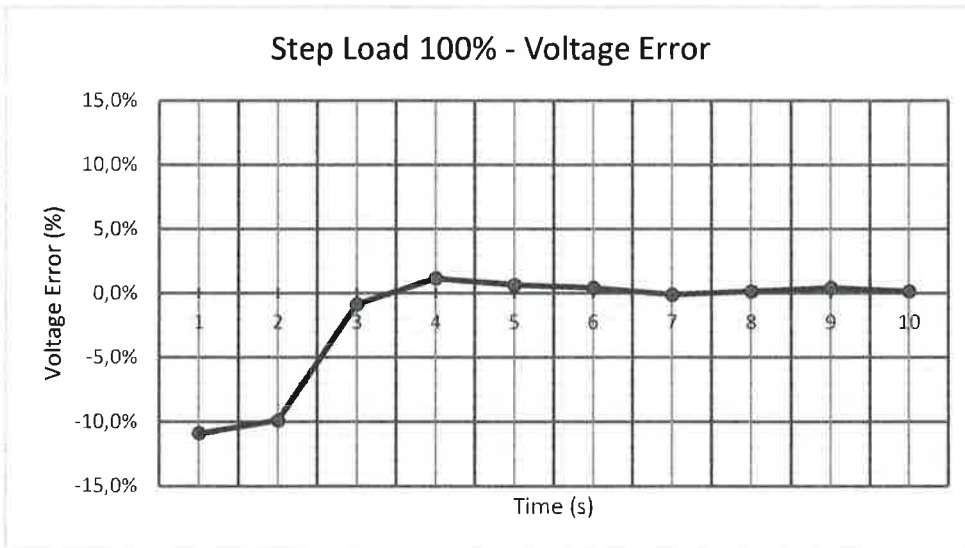
Test Summary

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	18	1,00	26
3	0:02:01	50,0	1,00	0:02:00	37	1,00	53
4	0:04:01	75,0	1,00	0:03:00	55	1,00	79
5	0:07:01	100,0	1,00	0:06:59	74	1,00	107

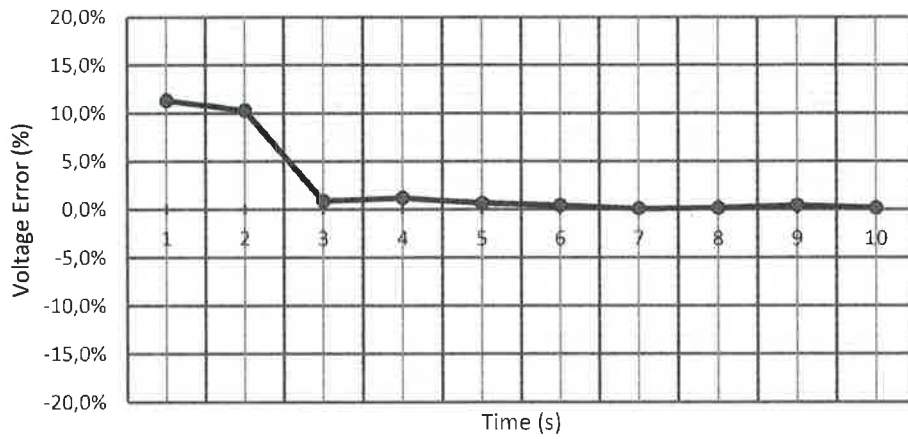
Elapsed Time	Power kVA	Power		Frequency Hz	Voltage V(L1-L2)	Voltage V(L2-L3)	Voltage V(L3-L1)	Current A(L1)	Current A(L2)	Current A(L3)
		Factor cos_phi								
Start										
Load Accepted: 0,0% 1,00cos_φ at 0:00:00										
0:00:26	0	1,00		50,1	401	401	401	0	0	0
0:00:52	0	1,00		50,1	401	400	401	0	0	0
Load Accepted: 25,0% 1,00cos_φ at 0:01:00										
0:01:18	18	1,00		50,1	401	401	401	25	25	25
0:01:44	18	1,00		50,1	401	400	400	25	25	25
Load Accepted: 50,0% 1,00cos_φ at 0:02:01										
0:02:10	37	1,00		50,1	398	400	400	53	53	53
0:02:36	37	1,00		50,1	400	401	402	53	53	53
0:03:02	37	1,00		50,1	401	402	401	53	53	53
0:03:28	37	1,00		50,0	401	401	401	53	53	53
0:03:54	37	1,00		50,0	400	401	400	53	53	53
Load Accepted: 75,0% 1,00cos_φ at 0:04:01										
0:04:20	55	1,00		50,0	398	399	398	79	79	79
0:04:46	55	1,00		50,0	400	400	400	79	79	79
0:05:12	55	1,00		50,0	402	402	403	78	78	78
0:05:38	55	1,00		50,0	401	399	402	79	79	78
0:06:04	55	1,00		50,0	400	400	400	79	79	79
0:06:30	55	1,00		50,0	400	399	400	79	79	79
0:06:56	55	1,00		49,9	400	400	400	79	79	79
Load Accepted: 100,0% 1,00cos_φ at 0:07:01										
0:07:02	74	1,00		47,8	355	360	358	120	118	119
0:07:03	74	1,00		48,7	359	362	361	119	118	118
0:07:04	74	1,00		49,8	395	404	400	108	105	106
0:07:05	74	1,00		50,2	403	405	413	106	105	103
0:07:06	74	1,00		50,1	401	404	411	106	105	103
0:07:07	74	1,00		50,0	400	406	407	106	105	105
0:07:08	74	1,00		50,0	398	400	401	107	106	106
0:07:09	74	1,00		50,0	399	403	409	107	106	104
0:07:10	74	1,00		50,1	400	405	408	106	105	104
0:07:11	74	1,00		50,0	399	404	400	107	105	106
0:07:22	74	1,00		50,0	400	402	401	106	106	106
0:07:48	74	1,00		50,0	400	401	400	106	106	106
0:08:14	74	1,00		50,0	400	400	399	106	106	107
0:08:40	74	1,00		50,0	400	399	399	106	107	107
0:09:06	74	1,00		50,0	400	400	400	106	106	106
0:09:32	74	1,00		50,0	400	399	400	106	107	106
0:09:58	74	1,00		50,0	400	399	400	106	107	106
0:10:24	74	1,00		50,0	400	399	400	106	107	106

0:10:50	74	1,00	50,0	401	399	400	106	107	106
0:11:16	74	1,00	50,0	399	399	400	107	107	106
0:11:42	74	1,00	50,0	399	399	400	107	107	106
0:12:08	74	1,00	50,0	399	399	400	107	107	106
0:12:34	74	1,00	50,0	400	399	400	106	107	106
0:13:00	74	1,00	50,0	400	399	400	106	107	106
0:13:26	74	1,00	50,0	400	399	400	106	107	106
0:13:52	74	1,00	50,0	400	399	400	106	107	106

Load Rejected at 0:14:18



Step Unload 100% - Voltage Error



Step Unload 100% - Frequency Error

