

Customer

Name: Type test HFV series - 50 - 125kVA

Engineer: DANIEL ROS

Test Centre: HIMOINSA, S.L.

Supply

Model: HFW-100 T5

 Rating: 98kVA cosφ=1 96kW
 400V 50Hz 3ph 4Wire

Class:

G3	Steady state	Transient Increase	Transient Decrease	Recovery Time (s)	Tolerance Band
Voltage:	0,91%	11,58%	-11,1%	4	
Frequency:	0,20%	4,47%	-4,40%	3	

Engine

Make:	IVECO	Type No.:	NEF45TE2F
Serial No:	1723008	Speed:	1500 rpm
Governor:	ELECTRONICO DIGITAL	Battery GND:	NEG

Alternator

Make:	Mec-Alte	Type No	ECP34 2S/4 A
Serial No:		AVR:	DSR
Phase order:		Droop Kit:	

Test Summary

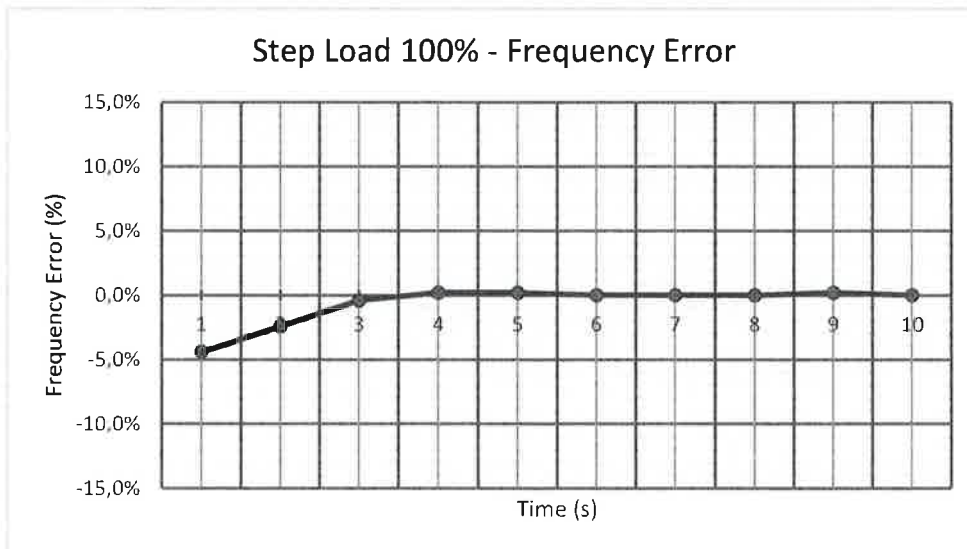
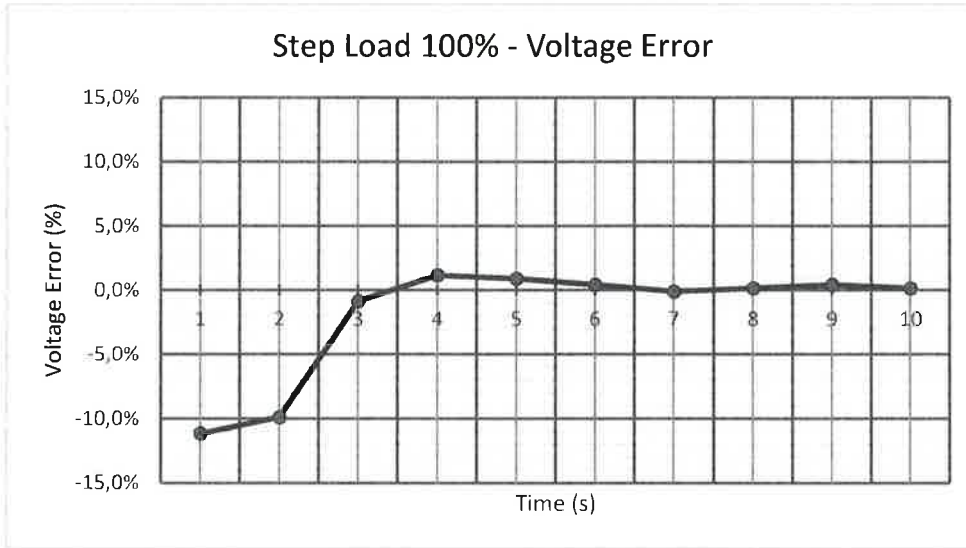
Step	Elapsed Time h:mm:ss	Power %kW	Power Factor cos_phi	Step Duration h:mm:ss	Power kVA	Power Factor cos_phi	Current A(L1)
1	0:00:00	0,0	1,00	0:01:01	0	1,00	0
2	0:01:01	25,0	1,00	0:01:01	25	1,00	36
3	0:02:02	50,0	1,00	0:02:02	49	1,00	71
4	0:04:04	75,0	1,00	0:03:02	72	1,00	104
5	0:07:06	100,0	1,00	0:07:06	97	1,00	140



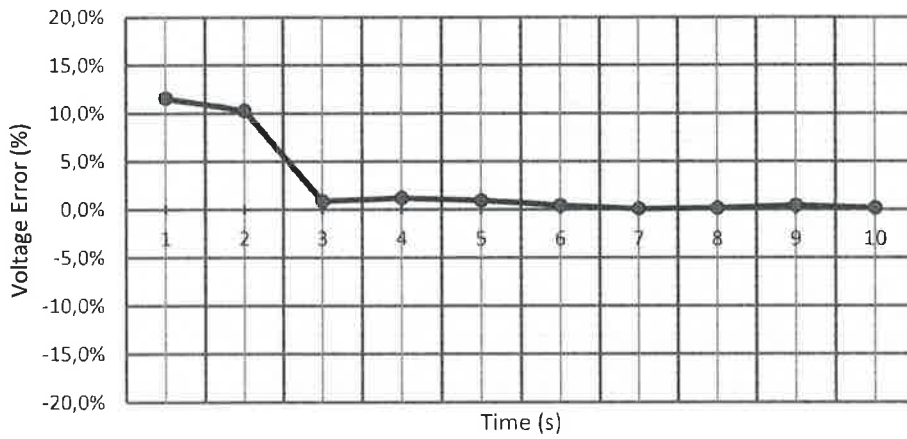
Elapsed Time	Power kVA	Power		Frequency Hz	Voltage V(L1-L2)	Voltage V(L2-L3)	Voltage V(L3-L1)	Current A(L1)	Current A(L2)	Current A(L3)
		Factor cos_phi								
Start										
Load Accepted:		0,0%	1,00	cos_φ	at	0:00:00				
0:00:26	0	1,00	50,1		401	401	401	0	0	0
0:00:52	0	1,00	50,1		401	400	401	0	0	0
Load Accepted:		25,0%	1,00	cos_φ	at	0:01:01				
0:01:18	24	1,00	50,1		401	401	401	34	34	34
0:01:44	24	1,00	50,1		401	401	401	34	34	34
Load Accepted:		50,0%	1,00	cos_φ	at	0:02:02				
0:02:10	49	1,00	50,1		401	401	401	70	70	70
0:02:36	49	1,00	50,1		401	401	401	70	70	70
0:03:02	49	1,00	50,1		401	400	401	70	70	70
0:03:28	49	1,00	50,0		401	400	401	70	70	70
0:03:54	49	1,00	50,0		401	400	400	70	70	70
Load Accepted:		75,0%	1,00	cos_φ	at	0:04:04				
0:04:20	73	1,00	50,0		401	400	400	105	105	105
0:04:46	73	1,00	50,0		400	400	400	105	105	105
0:05:12	73	1,00	50,0		400	400	400	105	105	105
0:05:38	73	1,00	50,0		400	399	400	105	105	105
0:06:04	73	1,00	50,0		400	400	400	105	105	105
0:06:30	73	1,00	50,0		399	399	400	105	105	105
0:06:56	73	1,00	49,9		399	399	400	105	105	105
Load Accepted:		100,0%	1,00	cos_φ	at	0:07:06				
0:07:07	98	1,00	47,8		354	361	356	159	156	159
0:07:08	98	1,00	48,8		359	364	369	157	155	153
0:07:09	98	1,00	49,8		395	397	397	143	142	142
0:07:10	98	1,00	50,1		403	407	412	140	139	137
0:07:11	98	1,00	50,1		402	406	404	140	139	140
0:07:12	98	1,00	50,0		400	406	405	141	139	139
0:07:13	98	1,00	50,0		398	399	407	142	141	139
0:07:14	98	1,00	50,0		399	404	404	141	140	139
0:07:15	98	1,00	50,1		400	401	410	141	141	138
0:07:16	98	1,00	50,0		399	404	409	141	140	138
0:07:22	98	1,00	50,0		400	402	401	141	140	141
0:07:48	98	1,00	50,0		400	401	400	141	141	141
0:08:14	98	1,00	50,0		400	400	399	141	141	141
0:08:40	98	1,00	50,0		400	399	399	141	141	141
0:09:06	98	1,00	50,0		400	400	400	141	141	141
0:09:32	98	1,00	50,0		400	399	400	141	141	141
0:09:58	98	1,00	50,0		400	399	400	141	141	141
0:10:24	98	1,00	50,0		400	399	400	141	141	141

0:10:50	98	1,00	50,0	401	399	400	141	141	141
0:11:16	98	1,00	50,0	399	399	400	141	141	141
0:11:42	98	1,00	50,0	399	399	400	141	141	141
0:12:08	98	1,00	50,0	399	399	400	141	141	141
0:12:34	98	1,00	50,0	400	399	400	141	141	141
0:13:00	98	1,00	50,0	400	399	400	141	141	141
0:13:26	98	1,00	50,0	400	399	400	141	141	141
0:13:52	98	1,00	50,0	400	399	400	141	141	141

Load Rejected at 0:14:18



Step Unload 100% - Voltage Error



Step Unload 100% - Frequency Error

