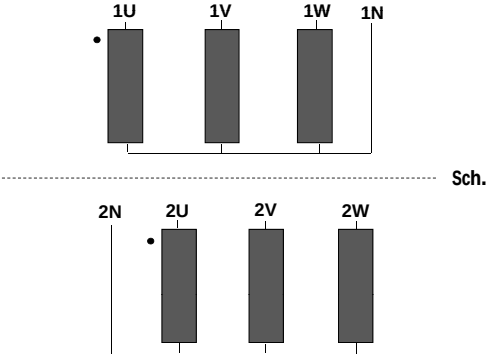




TEST CERTIFICATE

Id. Nr. 6649142

Foglio

Contractor	IMEL ENERGY Member of TRAFOMECH Group						Type	T3-10K3-04				
Customer	GUTOR						Ref. Nr	UNC1-432-7557				
							Prod. Nr	41300293001				
ELECTRICAL DATA			SCHEMATIC				WINDINGS					
Rating Power (KVA)	10						Primary					
Conn. Group	Ynyn0						Terminals			V	Conn.	A
Cl.isol.	H						1U/1V/1W			400.00	Y	14.82
F (Hz)	50/60											
Service	100%											
Protection (IP)	IP00											
Cooling	AN											
Standards	IEC60076-11											
MECHANICAL DATA											Secondary	
Dimension (LXBXH)	250X375X305					Terminals			V	Conn.	A	
Fix hole	200X250					2U/2V/2W			400.00	y	14.40	
Weight (kg)	80											
WINDING RESIST. MEASUREMENT at 31 ° C												
Position	R (ph)	R (L)	Position	R (ph)	R (L)	Position	R (ph)	R (L)				
1U/1V		0.62949	1U/1W		0.62944	1V/1W		0.62942				
2U/2V		0.51037	2U/2W		0.51045	2V/2W		0.51030				
WITH INDUCE VOLTAGE												
Frequency =	Hz	Supplied	During				Sec.					
VOLTAGE WITHSTAND TEST												
Position	To	2U/2V/2W	To	THERM.	To	GROUND	To		To			
1U/1V/1W	2.5	KV	2.5	KV	2.5	KV		KV		KV		
2U/2V/2W		KV	2.5	KV	2.5	KV		KV		KV		
THERM.		KV		KV	2.5	KV		KV		KV		
		KV		KV		KV		KV		KV		
NO LOAD TEST 50 Hz												
Supply	Conn.	V (V)	Io ph1 (A)	Io ph2 (A)	Io ph3 (A)	Io m (A)	Io %	Po (W)				
1U/1V/1W	Y	400.49	1.450	1.210	1.400	1.353	9.13	125.38				
MEASUREMENT OF VOLTAGE RATIO Supply 1U/1V/1W V = 400												
Position	Conn.	V2o (V)	Position	Conn.	V2o (V)	Position	Conn.	V2o (V)				
2U/2V	y	411.8	2U/2W	y	411.7	2V/2W	y	411.6				
SHORT CIRCUIT TEST Temp. 31 Ref. 115 ° C												
Ucc (V)	Ucc (%)	Uccx (%)	Uccr (%)	Pcc (W)	RI² (W)		Supply	c/c				
	4.974	1.455	4.756	487.667	485.508		1U/1V/1W	2U/2V/2W				
Note Sample short circuit performance test is based on transformer S/N:41300293001												
						Date	02/04/2013					
INSTRUMENTS : FLUKE Power analyzer NORMA 4000 ; HIOKI Resistance hi tester 3541 ; EXTECH 7142 ; Fluke 77						Operator	PANG					
						Approval	MR CHANG					