

Autotransformateurs variables



**Modèles monophasés,
bi-phasés et triphasés**

**Puissances de 160VA à
plusieurs centaines de kVA**

Commande manuelle ou motorisée



Caractéristiques techniques

Les auto-transformateurs variables permettent de faire varier des tensions alternatives de zéro à la valeur maximale avec une capacité constante en courant. Différents modèles sont proposés en fonction des applications : circuits monophasés, biphasés ou triphasés, commande manuelle ou motorisée.

La figure 1 montre les différentes parties d'un auto-transformateur variable :

1. Résine époxy
2. Bobinage électrique
3. Entretoises bakélite
4. Noyau magnétique
5. Arbre
6. Roulement laiton
7. Bornes de raccordement
8. Bande de contacts
9. Fixation et connexion de la bande
10. Contact de collecteur
11. Mise sous pression du curseur
12. Vis de fixation du curseur
13. Support du curseur
14. Bande de support curseur
15. Rivets de fixation de la brosse curseur
16. Support de galet
17. Galet graphite
18. Fixation du galet
19. Guide du contacts
20. Butée mécanique
21. Fixation

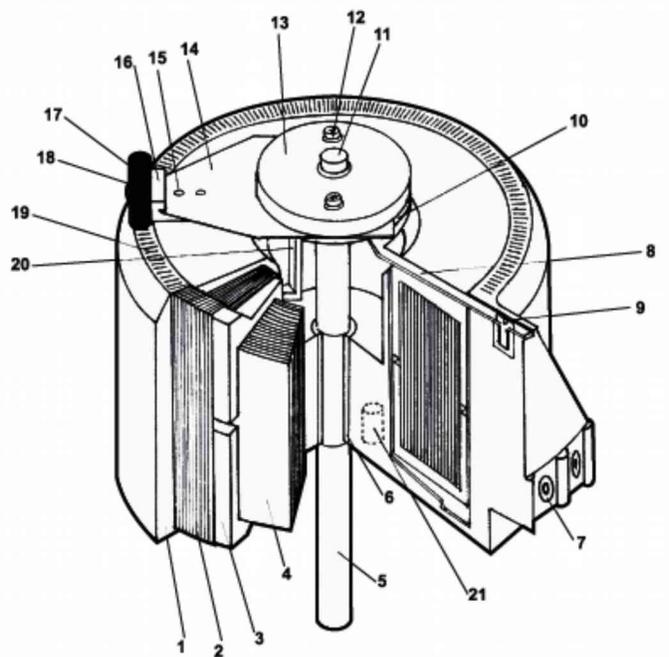
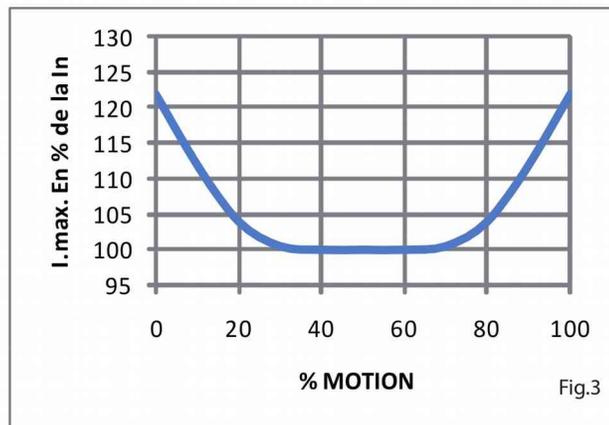


Fig 1



Les autotransformateurs permettent le réglage de la tension sans dépassement du courant nominal à l'exception du début et de la fin d'échelle qui peuvent supporter des surcharges jusqu'à 22 %



Les mises en parallèle sont possibles jusqu'à un nombre élevé de bobines, permettant ainsi d'obtenir des puissances jusqu'à plusieurs centaines de kVA.



Modèle 100kVA



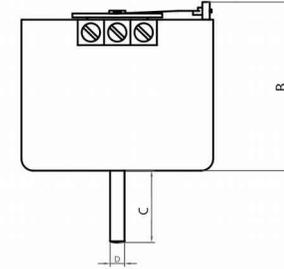
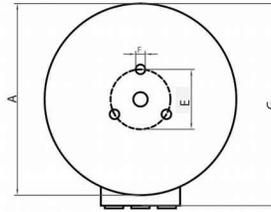
Modèle 300kVA

SIZE & WEIGHT

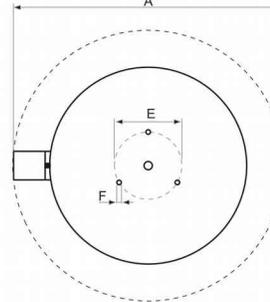
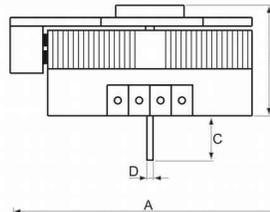
SINGLE-PHASE VARIABLE AUTOTRANSFORMER (MANUAL CONTROL)

160 VA – 4000 VA		Entrada/Input 230V Salida/Output 230/250V								
VA	In 230 (A)	In 250 (A)	A	B	C	D	E	F	G	Kg
160	0.7	0.64	80	63	30	6	25	M-4	88	0.8
220	0.95	0.88	87	67	30	6	25	M-4	99	1.2
350	1.52	1.4	110	75	30	6	26	M-4	125	2.5
350*	1.52	1.4	88	85	30	6	25	M-4	99	1.9
500	2.17	2	110	80	30	6	26	M-4	125	2.8
500*	2.17	2	88	103	30	6	25	M-4	99	2.4
750	3.26	3	120	90	30	6	33.5	M-6	130	3.2
1000	4.34	4	120	105	30	6	33.5	M-6	130	4
1250	5.43	5	130	105	30	6	33.5	M-6	142	4.6
1500	6.52	6	160	95	35	8	40	M-6	172	5.7
2000	8.69	8	160	107	35	8	40	M-6	172	6.8
2500	10.86	10	196	117	40	8	60	M-6	206	10
3000	13.04	12	226	120	40	8	60	M-6	238	13.4
4000	17.39	16	250	127	40	8	74	M-8	275	17

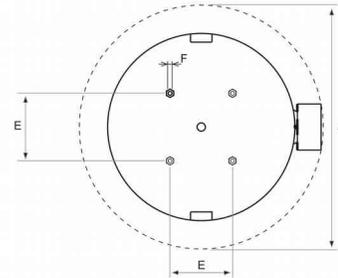
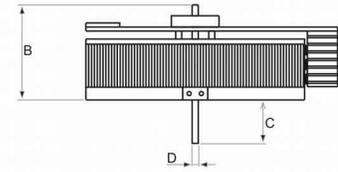
*Dimensiones reducidas/ limited dimensions
In base referencia a la intensidad nominal del variador/In it refers to the nominal current of the variable autotransformers.



5000 VA



6000 VA - 11000 VA



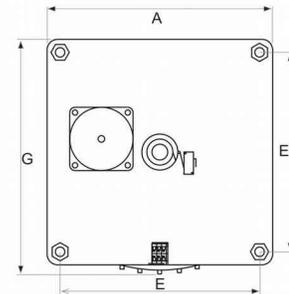
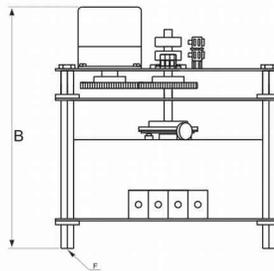
5000 VA – 11000 VA		Entrada/Input 230V Salida/Output 230/250V							
VA	In 230 (A)	In 250 (A)	A	B	C	D	E	F	Kg
5000	21.73	20	320	140	60	10	74	M-8	19
6000	26.01	24	425	170	100	12	80	M-10	32
7000	30.43	28	445	170	100	12	80	M-10	37
8000	34.78	32	490	170	100	12	100	M-10	46
9000	39.13	36	520	170	100	12	100	M-10	55
10000	43.47	40	570	170	100	15	150	M-12	71
11000	47.85	44	610	180	100	15	150	M-12	86

In base referencia a la intensidad nominal del variador/In it refers to the nominal current of the variable autotransformers.

SINGLE-PHASE VARIABLE AUTOTRANSFORMER (POWER-ASSISTED CONTROL)

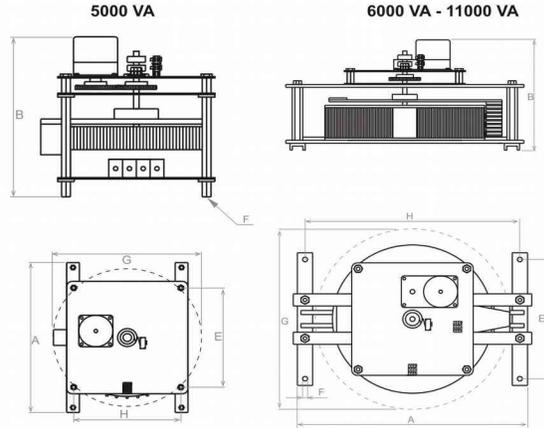
160 VA – 4000 VA		Entrada/Input 230V Salida/Output 230/250V							
VA	In 230 (A)	In 250 (A)	A	B	E	F	G	Kg	
160	0.7	0.64	90	211	75	M-5	92	1.8	
220	0.95	0.88	90	211	75	M-5	100	2.2	
350	1.52	1.4	155	185	100	M-6	130	4.5	
350*	1.52	1.4	90	211	75	M-5	100	2.9	
500	2.17	2	155	190	100	M-6	130	4.8	
500*	2.17	2	90	211	75	M-5	100	3.4	
750	3.26	3	155	200	100	M-6	130	5	
1000	4.34	4	155	210	112	M-6	140	6	
1250	5.43	5	135	210	112	M-6	140	6.7	
1500	6.52	6	165	205	135	M-6	175	8.6	
2000	8.69	8	165	215	135	M-6	175	9.5	
2500	10.86	10	220	235	170	M-8	230	14.5	
3000	13.04	12	235	245	195	M-8	242	18.5	
4000	17.39	16	285	300	255	M-8	295	25	

*Dimensiones reducidas/ limited dimensions
In base referencia a la intensidad nominal del variador/In it refers to the nominal current of the variable autotransformers.



5000 VA – 11000 VA		Entrada/Input 230V Salida/Output 230/250V							
VA	In 230 (A)	In 250 (A)	A	B	E	F	G	H	Kg
5000	21.73	20	380	300	255	M-8	320	255	27
6000	26.01	24	520	350	380	M-12	430	470	48
7000	30.43	28	540	350	380	M-12	445	490	56
8000	34.78	32	585	350	380	M-12	490	235	64
9000	39.13	36	615	360	420	M-12	520	565	75
10000	43.47	40	665	360	420	M-12	570	615	91
11000	47.85	44	685	360	420	M-12	610	635	106

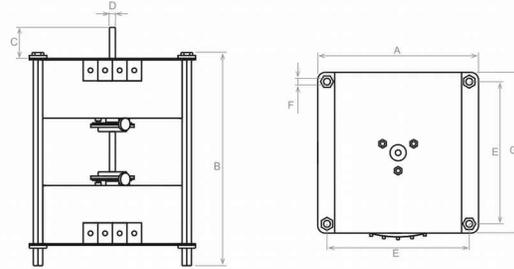
In hace referencia a la intensidad nominal del variador/In it refers to the nominal current of the variable autotransformers.



DOUBLE VARIABLE AUTOTRANSFORMERS (MANUAL CONTROL)

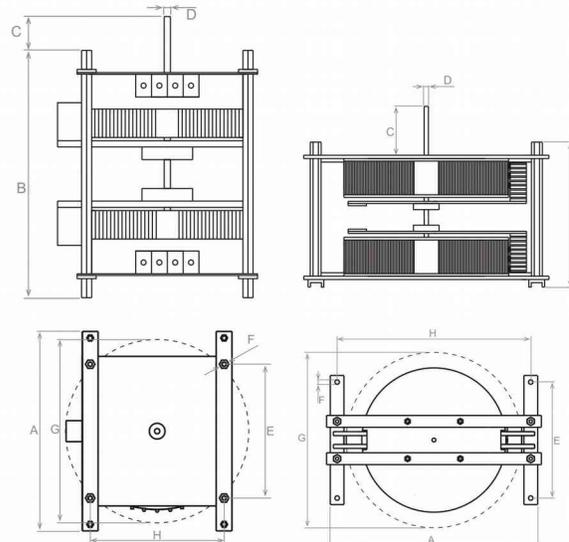
160 VA x 2 – 4000 VA x 2		Entrada/Input 230V Salida/Output 230/250V								
VA	In 230 (A)	In 250 (A)	A	B	C	D	E	F	G	Kg
160x2	0.7x2	0.64x2	90	180	50	6	75	M-5	92	2.9
220x2	0.9 x2	0.88x2	90	180	50	6	75	M-5	100	3.7
350x2	1.52x2	1.4x2	120	215	70	6	100	M-6	130	6.3
350*x2	1.52x2	1.4x2	90	180	50	6	75	M-5	92	4
500x2	2.17x2	2x2	120	220	70	6	100	M-6	130	6.9
500*x2	2.17x2	2x2	90	180	50	6	75	M-5	92	4.5
750x2	3.26x2	3x2	120	240	70	6	100	M-6	130	7.7
1000x2	4.34x2	4x2	120	260	70	6	100	M-6	130	9
1250x2	5.43x2	5x2	135	215	70	6	112	M-6	140	10.7
1500x2	6.52x2	6x2	165	245	70	8	135	M-6	175	13.7
2000x2	8.69x2	8x2	165	25	70	8	135	M-6	175	15.6
2500x2	10.86x2	10x2	200	312	70	8	170	M-8	230	23.3
3000x2	13.04x2	12x2	235	335	70	8	195	M-8	242	30
4000x2	17.39x2	16x2	285	365	90	8	255	M-8	295	41

*Dimensiones reducidas/ limited dimensions
In hace referencia a la intensidad nominal del variador/In it refers to the nominal current of the variable autotransformers.



5000 VA x2

6000 VA x2 - 11000 VA x2



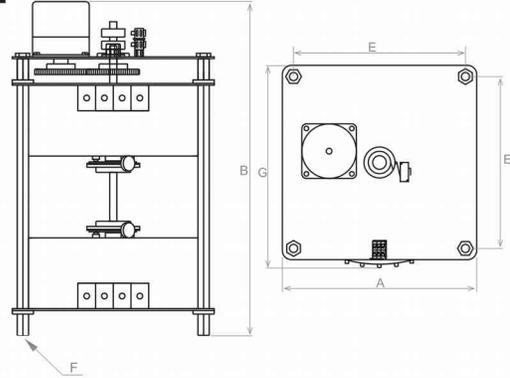
5000 VA x 2 – 11000 VA x 2		Entrada/Input 230V Salida/Output 230/250V									
VA	In 230 (A)	In 250 (A)	A	B	C	D	E	F	G	H	Kg
5000x2	21.73x2	20x2	380	365	90	10	255	M-8	320	255	50
6000x2	26.01x2	24x2	520	460	155	12	380	M-10	430	470	80
7000x2	30.43x2	28x2	540	460	155	12	380	M-10	445	490	102
8000x2	34.78x2	32x2	585	460	155	12	380	M-10	490	535	115
9000x2	39.13x2	36x2	615	480	165	12	420	M-10	520	565	140
10000x2	43.47x2	40x2	665	480	165	15	420	M-12	570	615	182
11000x2	47.85x2	44x2	685	480	165	15	420	M-12	610	635	212

In hace referencia a la intensidad nominal del variador/In it refers to the nominal current of the variable autotransformers.

DOUBLE VARIABLE AUTOTRANSFORMER (POWER-ASSISTED CONTROL)

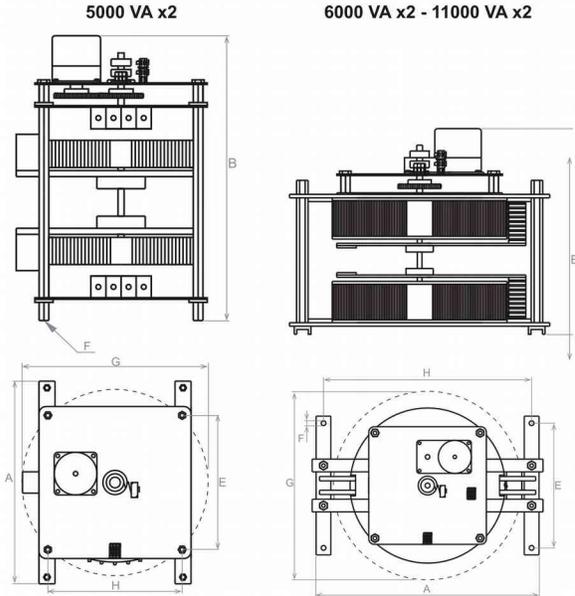
160 VA x 2 – 4000 VA x 2		Entrada/Input 230V Salida/Output 230/250V						
VA	In 230 (A)	In 250 (A)	A	B	E	F	G	Kg
160x2	0.7x2	0.64x2	90	290	75	M-5	92	3.4
220x2	0.9 x2	0.88x2	90	290	75	M-5	100	4.2
350x2	1.52x2	1.4x2	120	275	100	M-6	130	8.6
350*x2	1.52x2	1.4x2	90	290	75	M-5	92	4.5
500x2	2.17x2	2x2	120	280	100	M-6	130	9.1
500*x2	2.17x2	2x2	90	290	75	M-5	92	5
750x2	3.26x2	3x2	120	300	100	M-6	130	9.2
1000x2	4.34x2	4x2	120	320	100	M-6	130	10.1
1250x2	5.43x2	5x2	135	285	112	M-6	140	11.7
1500x2	6.52x2	6x2	165	315	135	M-6	175	14.4
2000x2	8.69x2	8x2	165	335	135	M-6	175	17.1
2500x2	10.86x2	10x2	200	375	170	M-8	230	25.3
3000x2	13.04x2	12x2	235	395	195	M-8	242	33.5
4000x2	17.39x2	16x2	285	445	255	M-8	295	43.7

*Dimensiones reducidas/ limitad dimensions
In hace referencia a la intensidad nominal del variador/In refers to the nominal current of the variable autotransformers.



5000 VA x 2 – 11000 VA x 2		Entrada/Input 230V Salida/Output 230/250V							
VA	In 230 (A)	In 250 (A)	A	B	E	F	G	H	Kg
5000x2	21.73x2	20x2	380	445	255	M-8	320	255	57
6000x2	26.01x2	24x2	520	575	380	M-10	430	470	87
7000x2	30.43x2	28x2	540	575	380	M-10	445	490	109
8000x2	34.78x2	32x2	585	575	380	M-10	490	535	122
9000x2	39.13x2	36x2	615	585	420	M-10	520	565	147
10000x2	43.47x2	40x2	665	585	420	M-12	570	615	189
11000x2	47.85x2	44x2	685	585	420	M-12	610	635	219

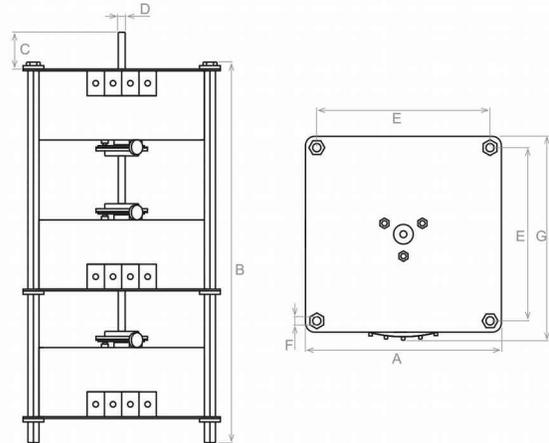
In hace referencia a la intensidad nominal del variador/In refers to the nominal current of the variable autotransformers.



THREE PHASE VARIABLE AUTOTRANSFORMER (MANUAL CONTROL)

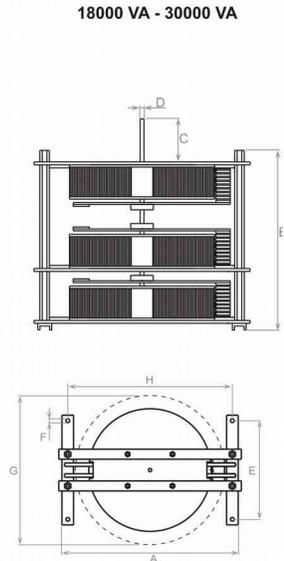
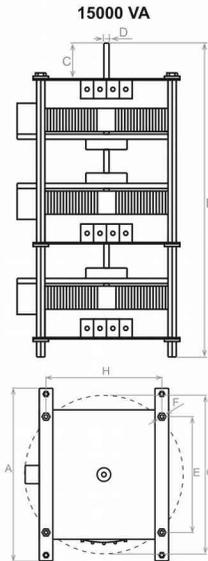
480 VA – 12000 VA		Entrada/Input 400V Salida/Output 400/430V								
VA	In 400 (A)	In 430 (A)	A	B	C	D	E	F	G	Kg
480	0.7x3	0.64x3	90	255	50	6	75	M-5	92	4.4
660	0.9x3	0.88x3	90	255	50	6	75	M-5	100	5.6
1000	1.52x3	1.4x3	120	305	70	6	100	M-6	130	9.4
1000*	1.52x3	1.4x3	90	255	50	6	75	M-5	92	8
1500	2.17x3	2x3	120	315	70	6	100	M-6	130	11
1500*	2.17x3	2x3	90	255	50	6	75	M-5	92	10.4
2250	3.26x3	3x3	120	345	70	6	100	M-6	130	11.5
3000	4.34x3	4x3	120	375	70	6	100	M-6	130	13.5
3750	5.43x3	5x3	135	375	70	6	112	M-6	140	16
4500	6.52x3	6x3	165	360	70	8	135	M-6	175	20.5
6000	8.69x 3	8x3	165	390	70	8	135	M-6	175	23.5
7500	10.86x3	10x3	200	445	70	8	170	M-8	230	35
9000	13.04x3	12x3	235	475	70	8	195	M-8	242	45
12000	17.39x3	16x3	285	520	90	8	255	M-8	295	61

In hace referencia a la intensidad nominal del variador/In refers to the nominal current of the variable autotransformers.



15000 VA – 33000 VA		Entrada/Input 400V Salida/Output 400/430V									
VA	In 400 (A)	In 430 (A)	A	B	C	D	E	F	G	H	Kg
15000	21.73x3	20x3	380	520	90	10	255	M-8	320	255	64.5
18000	26.01x3	24x3	520	645	155	12	380	M-10	430	470	119
21000	30.43x3	28x3	540	645	155	12	380	M-10	445	490	126
24000	34.78x3	32x3	585	645	155	12	380	M-10	490	535	157
27000	39.13x3	36x3	615	675	165	12	420	M-10	520	565	188
30000	43.47x3	40x3	665	675	165	15	420	M-12	570	615	220
33000	47.85x3	44x3	685	675	165	15	420	M-12	610	635	275

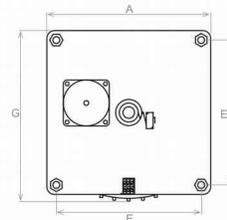
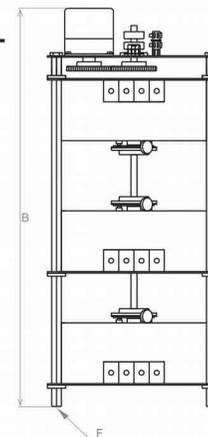
In hace referencia a la intensidad nominal del variador/In it refers to the nominal current of the variable autotransformers.



TREE PHASE VARIABLE AUTOTRANSFORMER, (POWER-ASSITED CONTROL)

480 VA – 12000 VA		Entrada/Input 400V Salida/Output 400/430V							
VA	In 400 (A)	In 430 (A)	A	B	E	F	G	Kg	
480	0.7x3	0.64x3	90	365	75	M-5	92	4.9	
660	0.9x3	0.88x3	90	365	75	M-5	100	6.1	
1000	1.52x3	1.4x3	120	375	100	M-6	130	11.7	
1000*	1.52x3	1.4x3	90	365	75	M-5	92	8.5	
1500	2.17x3	2x3	120	375	100	M-6	130	12.6	
1500*	2.17x3	2x3	90	365	75	M-5	92	11	
2250	3.26x3	3x3	120	405	100	M-6	130	13	
3000	4.34x3	4x3	120	435	100	M-6	130	14.6	
3750	5.43x3	5x3	135	445	112	M-6	140	17	
4500	6.52x3	6x3	165	430	135	M-6	175	21.2	
6000	8.69x3	8x3	165	460	135	M-6	175	25	
7500	10.86x3	10x3	200	525	170	M-8	230	37	
9000	13.04x3	12x3	235	555	195	M-8	242	48.5	
12000	17.39x3	16x3	285	600	255	M-8	295	63.7	

In hace referencia a la intensidad nominal del variador/In it refers to the nominal current of the variable autotransformers.



15000 VA – 33000 VA		Entrada/Input 400V Salida/Output 400/430V							
VA	In 400 (A)	In 430 (A)	A	B	E	F	G	H	Kg
15000	21.73x3	20x3	380	600	255	M-8	320	255	68
18000	26.01x3	24x3	520	760	380	M-10	430	470	125
21000	30.43x3	28x3	540	760	380	M-10	445	490	133
24000	34.78x3	32x3	585	760	380	M-10	490	535	160
27000	39.13x3	36x3	615	780	420	M-10	520	565	195
30000	43.47x3	40x3	665	780	420	M-12	570	615	230
33000	47.85x3	44x3	685	780	420	M-12	610	635	285

In hace referencia a la intensidad nominal del variador/In it refers to the nominal intensity of the variable autotransformers.

