



Rotavolt Variable Auto-Transformers

Rotavolt Variable Auto-Transformers provide a continuous linear regulation of AC voltage, with high efficiency and negligible waveform distortion. They offer a precise and effective method of controlling current, light, heat, motor speed and any parameter with a voltage factor.

Single and three phase models come in 9 frame sizes and rating up to 60kVA.

The present range incorporates many advanced design features based on the unique expertise we have gained from years of experience in our specialist sphere of voltage stabilisation

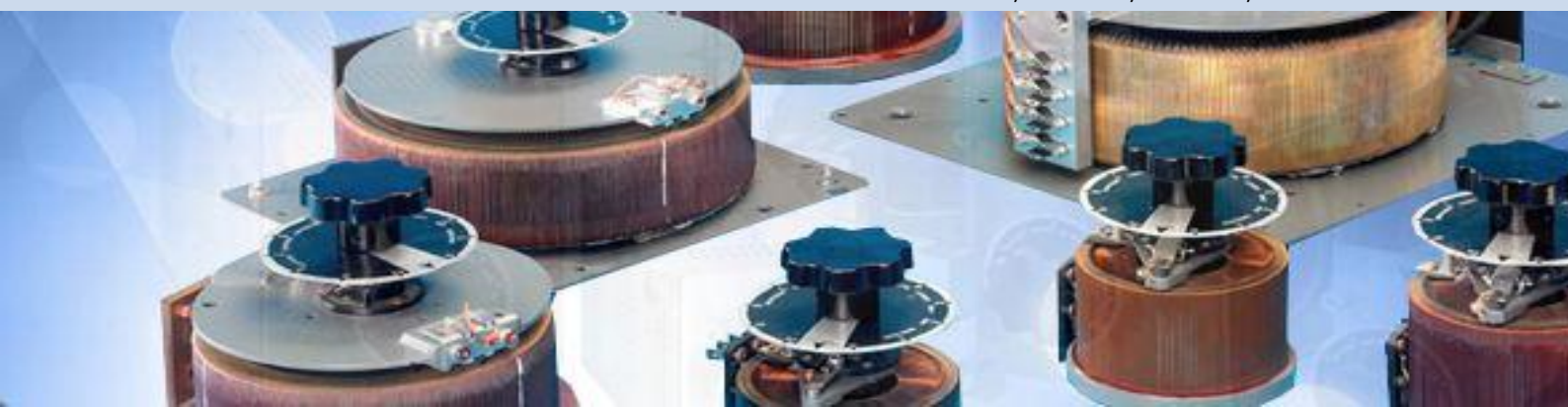
Our entire development programme has been in-house, every technological advance from our own design department, every product from our own production lines in our factory in Corby, Northamptonshire in the United Kingdom.

Key Features

- **9 frame sizes and ratings up to 60kVA.**
- **Single and three phase models.**
- **Ideal for high-speed servo applications.**
- **Multi ganged units available.**
- **Motorised versions available for remote or automatic operation**
- **Rugged construction for safe portable use and to eliminate transit damage**

Technical Specification

- **Maximum input voltage** +6% of nominal, i.e. 240V models are continuously rated at 254V.
- **Output Voltage** continuously variable from 0 - 115% of input voltage.
- **Rated Current.** This may be drawn at the output terminals for any brush point on the transformer track.
- **Maximum Current.** The rated current may be exceeded by 20% on parts of the transformer track. Maximum rating curves are available on request.
- **Surge Rating.** Units rated up to 2.5A, 6 x for 1 sec, 3 x up to a min, 2 x up to 5 mins. All larger models, 10 x up to 1 sec, 3 x up to 1 min, 2 x up to 5 mins.
- **Load Power Factor.** Any
- **Waveform distortion.** Negligible.
- **Enclosure: All models supplied in open form,** ventilated covers to IP20 BS60529 can be provided if required.
- **Mounting:** All models can be surface or panel mounted.
- **Fixing:** Three fixing points equally spaced by 120 deg. Alternate fixings provided on some models.
- **CE Conformity** Conforms to the requirements of council directive 89/336/EEC EMC (Valid to Oct 2009) & 2004/108 EEC emissions / immunity and directive 2006/95/EC, (Formally 73.23.EEC) Low voltage directive
- **Low torque operation,** ideal for multi ganged units.
- **Environment.** -15°C to +45°C. For higher temperatures the output current must be derated by these factors
50°C-0.93, 60°C-0.77, 70°C-0.59,



Rotavolt Rating Table

Single Phase 220/240 V 47 - 400 Hz

Model Code	Current Amperes	kVA @ Max Output Volts	Output Voltage @ 240 v Input	Height Less Knob			Fixing			Alternate Fixing			Weight kgs
							No of Holes	Diam. or Thread	Position mm	No of Holes	Diam. or Thread	Position mm	
C01 H	1	0.28	0 - 275	75	120	10	3	M5	39 PCR				1.8
C02 H	2.5	0.69	0 - 275	102	120	10	3	M5	39 PCR				2.9
C03 H	3	0.83	0 - 275	125	120	10	3	M5	39 PCR				4.2
C04 H	4	1.10	0 - 275	125	120	10	3	M5	39 PCR				4.2
E06 H	6	1.66	0 - 275	118	192	10	3	M8	86 PCR	3	176	76 PCR	7.8
E08 H	8	2.21	0 - 275	118	192	10	3	M8	86 PCR	3	176	76 PCR	7.8
E11 H	11	3.04	0 - 275	135	192	10	3	M8	86 PCR	3	176	76 PCR	10.9
E15 H	15	4.14	0 - 275	135	192	10	3	M8	86 PCR	3	176	76 PCR	10.9
U18 H	18	4.97	0 - 275	125	246 X 281	10	3	13	130 PCR	4	10	210 X 240	17
K25 H	25	6.90	0 - 275	155	342 X 342	16	4	14	273 X 273				22
2E15P H	30	8.28	0 - 275	350	200 X 230	16	4	M8	175 X 175				36
2K25P H	50	13.80	0 - 275	510	400 X 350	16	4	10	320 X 273				46
3K25P H	75	20.63	0 - 275	694	400 X 350	16	4	10	320 X 273				69

Single Phase 110/120 V 47 - 400 Hz

Model Code	Current Amperes	kVA @ Max Output Volts	Output Voltage @ 240 v Input	Height Less Knob			Fixing			Alternate Fixing			Weight kgs
							No of Holes	Diam. or Thread	Position mm	No of Holes	Diam. or Thread	Position mm	
C01 L	2.25	0.28	0 - 138	75	120	10	3	M5	39 PCR				1.8
C02 L	5	0.62	0 - 138	102	120	10	3	M5	39 PCR				2.9
C03 L	7	0.87	0 - 138	125	120	10	3	M5	39 PCR				4.2
E06 L	12	1.49	0 - 138	118	192	10	3	M8	86 PCR	3	176	76 PCR	7.8
E08 L	16	1.98	0 - 138	118	192	10	3	M8	86 PCR	3	176	76 PCR	7.8
U18 L	18	2.23	0 - 138	125	246 X 281	10	3	13	130 PCR	4	10	210 X 240	17
K25 L	50	6.20	0 - 138	155	342 X 342	16	4	14	273 X 273				22
2K25P L	100	12.40	0 - 138	510	400 X 350	16	4	10	320 X 273				46
3K25P L	150	18.60	0 - 138	694	400 X 350	16	4	10	320 X 273				69

Single Phase 380/415 V 47 - 400 Hz

Model Code	Current Amperes	kVA @ Max Output Volts	Output Voltage @ 240 v Input	Height Less Knob			Fixing			Alternate Fixing			Weight kgs
							No of Holes	Diam. or Thread	Position mm	No of Holes	Diam. or Thread	Position mm	
C02 V	0.8	0.34	0 - 477	102	120	10	3	M5	39 PCR				2.9
C04 V	1.6	0.69	0 - 477	125	120	10	3	M5	39 PCR				4.2
E08 V	3	1.29	0 - 477	118	192	10	3	M8	86 PCR	3	M6	76 PCR	7.8
E15 V	6	2.57	0 - 477	135	192	10	3	M8	86 PCR	3	M6	76 PCR	10.9
K25 V	10	4.29	0 - 477	155	342 X 342	16	4	14	273 X 273	4	178	152 X 152	22
2K25P V	20	8.58	0 - 477	510	400 X 350	16	4	10	320 X 273				46
3K25P V	30	12.87	0 - 477	694	400 X 350	16	4	10	320 X 273				69

Three Phase Star 380/415 V 47 - 400 Hz

Model Code	Current Amperes	kVA @ Max Output Volts	Output Voltage @ 240 v Input	Height Less Knob			Fixing			Alternate Fixing			Weight kgs
							No of Holes	Diam. or Thread	Position mm	No of Holes	Diam. or Thread	Position mm	
3C01T H	1	0.82	0 - 477	339	128 x 128	10	4	M8	100 X 100				5.7
3C02T H	2.5	2.04	0 - 477	410	128 x 128	10	4	M8	100 X 100				9.3
3C03T H	3	2.45	0 - 477	475	128 x 128	10	4	M8	100 X 100				13.5
3C04T H	4	3.26	0 - 477	475	128 x 128	10	4	M8	100 X 100				13.5
3E06T H	6	4.90	0 - 477	325	205 x 205	10	4	M8	175 X 175				25
3E08T H	8	6.53	0 - 477	325	205 x 205	10	4	M8	175 X 175				25
3E11T H	11	8.98	0 - 477	465	205 x 205	10	4	M8	175 X 175				35
3E15T H	15	12.24	0 - 477	465	205 x 205	10	4	M8	175 X 175				35
3U18T H	18	14.69	0 - 477	500	246 X 281	10	4	M10	210 x 240				55
3K25T H	25	20.40	0 - 477	620	400 x 350	16	4	M10	320 X 273				70
6K25TP4 H	50	40.80	0 - 477	Request Drawings		16							140

Quality Management System

Assessed and approved to ISO 9001:2008

Environmental Management Policy

Assessed and approved to ISO 14001:2004

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