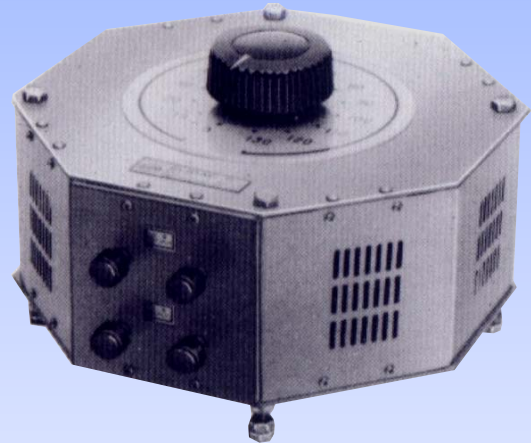
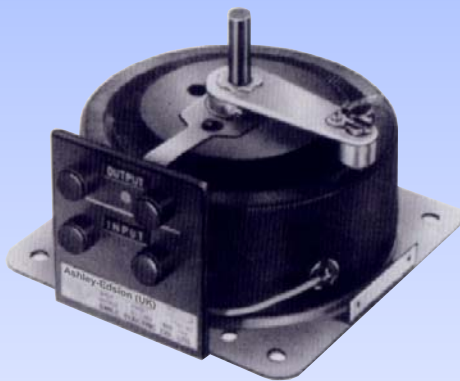


## Variable Transformers

**Ashley-Edison** offer variable transformers with ratings from 120V to 600VAC single and three phase and 3 to 500 Amps. Variable Transformer are AC voltage controls that provide a variable AC voltage. Their distortion free output is ideal for sensitive electronic applications. Variable Transformer are available that boost the output voltage in excess of twice the input voltage.



Various Variable Transformer configurations are available to meet your application requirements. Open, enclosed, portable and metered test sets are available.



Variable Transformers are widely used when adjustable voltages are required for quality control testing, electronic equipment burn-in, life-tests, low voltage performance evaluation, D.C. rectifier/regulator analysis or other industrial and engineering applications.

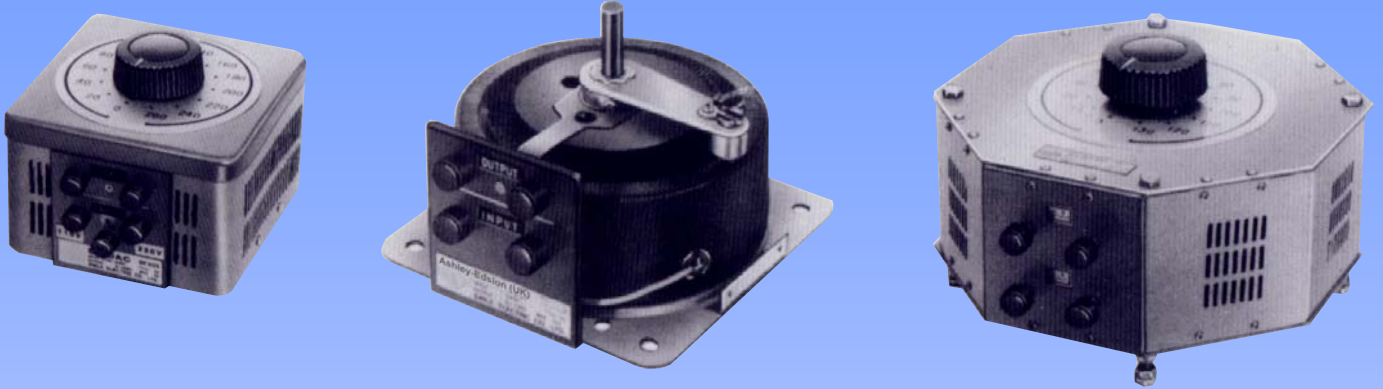


### **Applications**

- Test Benches
- Lighting Dimmer
- High Voltage Test Sets
- Furnace Transformer
- D.C. rectifier

# Ashley-Edison (UK)

## Variable Transformers



### Technical Specifications

<b>Input Voltage</b>	+ 6% of nominal i.e. 240V models are continuous rated at 254V	<b>Surge ratings</b>	10 x max current rating for 1 second 3 x max current rating for 60 seconds 2 x max current rating for 5 minutes
<b>Output Voltage</b>	Continuously variable from 0 – 117% of input voltage	<b>Total Harmonic Distortion</b>	<1%
<b>Frequency</b>	50/60 Hz	<b>Environment</b>	Temperature range –15 to 45 °C Derate by 2% for each additional °C Up to max 60 °C . Suitable for indoor tropical use 95% RH (non-condensing).
<b>Efficiency</b>	98%		
<b>Power Factor</b>	Any lagging to 0.95 leading		

### Single Phase : 220/240V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 240V	Dimensions mm (WxDxH)	Weight kgs
AE – 203H-B	3	0.84	0 – 280V	163 x 163 x 110	5.3
AE – 205H-B	5	1.4	0 – 280V	163 x 163 x 110	6.5
AE – 210H-B	10	2.8	0 – 280V	213 x 213 x 120	11
AE – 215H-B	15	4.2	0 – 280V	213 x 213 x 135	12.5
AE – 220H-B	20	5.6	0 – 280V	300 x 300 x 145	17
AE – 225H-B	25	7.0	0 – 280V	300 x 300 x 145	19
AE – 230H-B	30	8.4	0 – 280V	300 x 300 x 185	22
AE – 235H-B	35	9.8	0 – 280V	380 x 380 x 190	24
AE – 240H-B	40	11.2	0 – 280V	300 x 300 x 290	35
AE – 250H-B	50	14.0	0 – 280V	300 x 300 x 290	38

### Single Phase : 110/120V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 120V	Dimensions mm (WxDxH)	Weight kgs
AE – 103L-B	3	0.42	0 – 140V	163 x 163 x 110	5.3
AE – 105L-B	5	0.7	0 – 140V	163 x 163 x 110	6.5
AE – 110L-B	10	1.4	0 – 140V	213 x 213 x 120	11
AE – 115L-B	15	2.1	0 – 140V	213 x 213 x 135	12.5
AE – 120L-B	20	2.8	0 – 140V	300 x 300 x 145	17
AE – 125L-B	25	3.5	0 – 140V	300 x 300 x 145	19
AE – 130L-B	30	4.2	0 – 140V	300 x 300 x 185	22
AE – 135L-B	35	4.9	0 – 140V	380 x 380 x 190	24
AE – 240L-B	40	5.6	0 – 140V	300 x 300 x 290	35
AE – 250L-B	50	7.0	0 – 140V	300 x 300 x 290	38

# Ashley-Edison (UK)

## Variable Transformers

Technical Specifications	
<b>Input Voltage</b>	+ 6% of nominal i.e. 415V models are continuous rated at 439V
<b>Output Voltage</b>	Continuously variable from 0 – 117% of input voltage
<b>Frequency</b>	50/60 Hz
<b>Efficiency</b>	98%
<b>Power Factor</b>	Any lagging to 0.95 leading
<b>Surge ratings</b>	10 x max current rating for 1 second 3 x max current rating for 60 seconds 2 x max current rating for 5 minutes
<b>Total Harmonic Distortion</b>	<1%
<b>Environment</b>	Temperature range –15 to 45 °C Derate by 2% for each additional °C Up to max 60 °C . Suitable for indoor tropical use 95% RH (non-condensing).
<b>Warranty</b>	One Year
<b>Optional Accessories</b>	Input/Output Circuit Breaker Digital or Analog Voltmeter Digital or Analog Ammeter Digital or Analog Frequency Meter By-pass Switch



### Three Phase : 380/415V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 415V	Dimensions mm (WxDxH)	Weight kgs
AE – 3203H-B	3	2.5	0 – 485V	163 x 163 x 340	18
AE – 3205H-B	5	4.2	0 – 485V	163 x 163 x 340	20
AE – 3210H-B	10	8.4	0 – 485V	213 x 213 x 340	30
AE – 3215H-B	15	12.6	0 – 485V	213 x 213 x 410	38
AE – 3220H-B	20	16.8	0 – 485V	300 x 300 x 430	54
AE – 3225H-B	25	21	0 – 485V	300 x 300 x 430	68
AE – 3230H-B	30	25	0 – 485V	300 x 300 x 550	75
AE – 3235H-B	35	29	0 – 485V	380 x 380 x 550	110

### Three Phase : 190/208V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 208V	Dimensions mm (WxDxH)	Weight kgs
AE – 3103L-B	3	1.25	0 – 242V	163 x 163 x 340	18
AE – 3105L-B	5	2.1	0 – 242V	163 x 163 x 340	20
AE – 3110L-B	10	4.2	0 – 242V	213 x 213 x 340	30
AE – 3115L-B	15	6.3	0 – 242V	213 x 213 x 410	38
AE – 3120L-B	20	8.4	0 – 242V	300 x 300 x 430	54
AE – 3125L-B	25	10.5	0 – 242V	300 x 300 x 430	68
AE – 3130L-B	30	12.6	0 – 242V	300 x 300 x 550	75
AE – 3135L-B	35	14.6	0 – 242V	380 x 380 x 550	110

# Ashley-Edison (UK)

## Motorised Variable Transformers

Technical Specifications	
<b>Input Voltage</b>	+ 6% of nominal i.e. 415V models are continuous rated at 439V
<b>Output Voltage</b>	Continuously variable from 0 – 117% of input voltage
<b>Frequency</b>	50/60 Hz
<b>Efficiency</b>	98%
<b>Power Factor</b>	Any lagging to 0.95 leading
<b>Surge ratings</b>	10 x max current rating for 1 second 3 x max current rating for 60 seconds 2 x max current rating for 5 minutes
<b>Total Harmonic Distortion</b>	<1%
<b>Environment</b>	Temperature range –15 to 45 °C Derate by 2% for each additional °C Up to max 60 °C . Suitable for indoor tropical use 95% RH (non-condensing)
<b>Warranty</b>	One Year
<b>Standard Feature</b>	Input/Output circuit breaker Indicator lamp Voltmeter/Ammeter Up/Down push button Caster wheel Cooling fan
<b>Optional Accessories</b>	Digital Voltmeter Digital Ammeter Digital or Analog Frequency Meter By-pass Switch



### Three Phase : 380/415V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 415V	Dimensions mm (WxDxH)	Weight kgs
AE – 3203H-B-M-CB	3	2.5	0 – 485V	300 x 550 x 590	25
AE – 3205H-B-M-CB	5	4.2	0 – 485V	300 x 550 x 590	30
AE – 3210H-B-M-CB	10	8.4	0 – 485V	300 x 550 x 590	40
AE – 3215H-B-M-CB	15	12.6	0 – 485V	300 x 550 x 590	45
AE – 3220H-B-M-CB	20	16.8	0 – 485V	380 x 670 x 780	68
AE – 3225H-B-M-CB	25	21	0 – 485V	380 x 670 x 780	70
AE – 3230H-B-M-CB	30	25	0 – 485V	380 x 670 x 780	90
AE – 3235H-B-M-CB	35	29	0 – 485V	380 x 670 x 780	140

### Three Phase : 190/208V 50/60 Hz

Model:	Current Amps	Kva at max. output volts	Output volts @ 208V	Dimensions mm (WxDxH)	Weight kgs
AE – 3103L-B-M-CB	3	1.25	0 – 242V	300 x 550 x 590	25
AE – 3105L-B-M-CB	5	2.1	0 – 242V	300 x 550 x 590	30
AE – 3110L-B-M-CB	10	4.2	0 – 242V	300 x 550 x 590	40
AE – 3115L-B-M-CB	15	6.3	0 – 242V	300 x 550 x 590	45
AE – 3120L-B-M-CB	20	8.4	0 – 242V	380 x 670 x 780	68
AE – 3125L-B-M-CB	25	10.5	0 – 242V	380 x 670 x 780	70
AE – 3130L-B-M-CB	30	12.6	0 – 242V	380 x 670 x 780	90
AE – 3135L-B-M-CB	35	14.6	0 – 242V	380 x 670 x 780	140