

# VARIACS

## (DIMMERSTATS) (AUTO TRANSFORMERS)

Current Rating (amps)	Single Phase, Input 240 V AC, Output 0 to 270 V AC						Three Phase, Input 415 V AC, Output 0 to 470 V AC		
	Flush (Open) type (panel mounting)			Portable (closed) type (desk top models)			Portable (closed) type (desk top models)		
	ModelNo.	Weight	Rate(₹)	Model No.	Weight	Rate(₹)	Model No.	Weight	Rate(₹)
1 amp	V1F1	2.5kgs	800/-	V1P1	3.8 kgs	1200/-	V1P3	14 kgs	3500/-
2 amp	V2F1	2.9kgs	800/-	V2P1	4.2 kgs	1200/-	V2P3	14 kgs	3500/-
3 amp	V3F1	3.3kgs	1100/-	V3P1	4.6 kgs	1500/-	V3P3	16 kgs	4500/-
4 amp	V4F1	5.9kgs	1800/-	V4P1	6.9 kgs	2200/-	V4P3	26 kgs	7000/-
6 amp	V6F1	6.8kgs	1800/-	V6P1	7.7 kgs	2200/-	V6P3	30 kgs	7000/-
8 amp	V8F1	8 kgs	2500/-	V8P1	9 kgs	2800/-	V8P3	32 kgs	9000/-
10 amp	V10F1	9 kgs	2500/-	V10P1	10 kgs	2800/-	V10P3	35 kgs	9000/-
15 amp	V15F1	13 kgs	4000/-	V15P1	18 kgs	4800/-	---	---	---
20 amp	V20F1	15 kgs	4000/-	V20P1	16 kgs	4800/-	---	---	---

Variacs provide output voltage continuously adjustable from 0 to 270 volts AC for input voltage of 240 volts AC for single phase. For three phase variacs, output voltage is continuously adjustable from 0 to 470 volts AC for input voltage of 415 volts AC.

**Rugged Construction:-** - All components are designed to give maximum life to the variacs. Except for carbon tips, no other part needs any specific maintenance, This practically makes the VARIACS maintenance free.

**Excellent Regulation:-** The drop in voltage from no load to full load is minimal.

**High Efficiency:-** Careful copper and core selection and design ensure low watt losses.

**No Wave Form Distortion:-** Variac provides an output voltage, distortion less replica of the input voltage.

**Silver Plated Commutator:-** Special silver plating technique used on the commutator enables it to withstand high overloads and maintain constant contact drop.

It also ensures smooth operation, long life and increased resistance to corrosion.

**Low Operating Torque:-** Glass smooth commutator, special sintered bushings for the shaft and perfect assembly of coils, results in low operating torque.

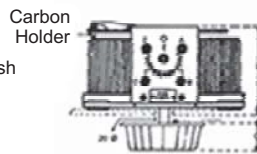
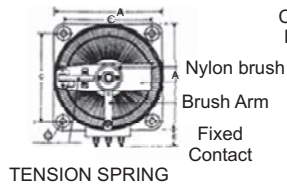
**Smooth Voltage Variations:-** As voltage between turns is small and as the brush-arm is in constant contact with more than one turning, harmful sparking is avoided and output voltage can be set very easily to a fraction of a volt.

**Low Magnetizing Current:-** High quality grain oriented silicon steel ensures minimum iron losses. No load current is less than 5% of the full load current.

**Negligible Maintenance and Trouble- Free Long Life:-**

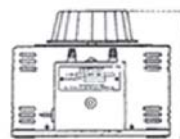
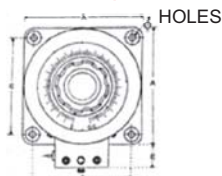
Components needing inspection and maintenance are carbon tips and commutator. Timely replacement of carbon tips and cleaning of the commutator surface of foreign particles and accumulated dust, ensures a considerably long, maintenance-free and uninterrupted life to the variacs.

### SINGLE PHASE OPEN TYPE (FLASH MOUNTING):



Type	A	C	E	F	G	H	φ
V1F-1	110	92	10	6	25	80	7.5
V2F-1	110	92	10	6	25	95	7.5
V3F-1	110	92	10	6	25	115	7.5
V4F-1	175	146	25	6	35	102	10
V6F-1	175	146	25	6	35	110	10
V8F-1	175	146	25	6	35	130	10
V10F-1	175	146	25	6	35	135	10
V15F-1	225	176	25	10	35	135	11
V20F-1	225	176	25	10	35	145	11

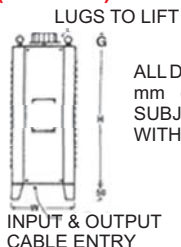
### SINGLE PHASE PORTABLE (CLOSED TYPE):



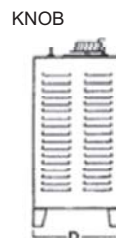
Type	A	C	E	H	φ
V4P-1	175	146	35	160	10
V6P-1	175	146	35	160	10
V8P-1	175	146	35	180	10
V10P-1	175	146	35	180	10
V15P-1	225	176	40	190	11
V20P-1	225	176	40	190	11

V1P1 has rectangular box of 120mm(H) x 130mm(W) x 100mm(D).  
V2P2 and V3P1 have rectangular boxes of 160mm(H) x 140mm(W) x 140mm (D).

### THREE PHASE PORTABLE (CLOSED):



ALL DIMENSIONS ARE IN mm (APPROX) & ARE SUBJECT TO CHANGE WITHOUT NOTICE



Type	W	D	H	G	Approx Weight
V1P-3	150	180	330	30	14 Kg
V2P-3	150	180	330	30	14 Kg
V3P-3	150	180	330	40	16 Kg
V4P-3	200	250	425	40	26 Kg
V6P-3	200	250	425	40	30 Kg
V8P-3	200	250	425	40	32 Kg
V10P-3	200	250	425	40	35 Kg

Manufactured / Marketed by

**AGRAWAL ELECTRONICS**

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We reserve our right to revise the above data without prior intimation. The rates above are for supplies within India.

VAT extra at 12.5% (2% against C form for outside Maharashtra customers). Freight at actuals extra. The rates are valid until 30.06.2011