

One-phase Built-in Variable Transformers

HSG - Autotransformers

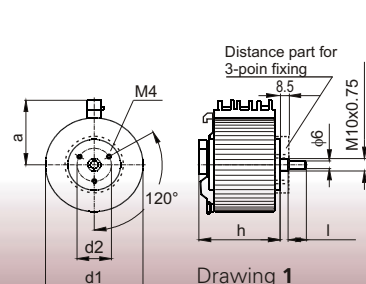
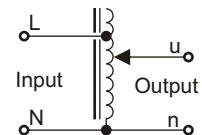
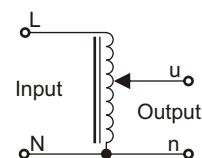
The HSG series voltage transformers are often built in test equipment or permanent installations.

Output voltage is controlled with a large, slip-protected knob. Output voltage is increased linearly as the knob is turned clockwise. The user is required to add adequate external over-current protection device like fuse or circuit breaker.

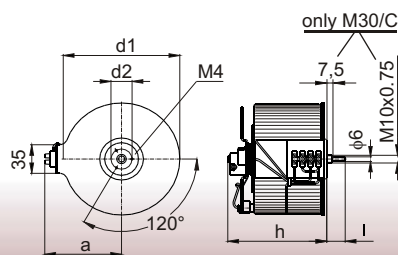
All models are suitable for 50 Hz/60 Hz frequency range. Single- and 3-phase models are available with various current ratings. Output voltage is precisely controlled. Autotransformer design allows optional voltage boost.

Because of demanding applications all Metrel variacs are designed to exhibit superior resistance to high temperature, humidity and mechanical shocks/vibrations.

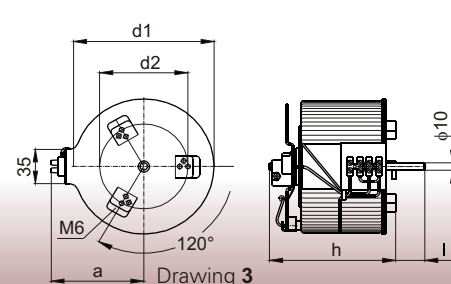
Used in hardwired, permanent installations wherever operational or performance points need to be varied.



Drawing 1



Drawing 2



Drawing 3

Technical specification - HSG type (Input voltage 230 V)

Output voltage 0 ÷ 230 V			Output voltage 0 ÷ 260 V			Dimensions		
Type	I _s (A)	P (VA)	Type	I _s (A)	P (VA)	Mass (kg)	Model	
HSG 230/1	1.0	230	HSG 260/0.8	0.8	208	1.4	M15	M15
HSG 230/1.25	1.25	287	HSG 260/1	1.0	260	1.4	M15	M30
HSG 230/1.6	1.6	368	HSG 260/1.4	1.4	364	2.4	M30 or M30/C	M30/C
HSG 230/2	2.0	460	HSG 260/1.6	1.6	416	2.4	M30 or M30/C	M50
HSG 230/2.5	2.5	575	HSG 260/2	2.0	520	2.4	M30 or M30/C	M100
HSG 230/3	3.0	690	HSG 260/2.5	2.5	650	3.5	M50	M200
HSG 230/4	4.0	920	HSG 260/3	3.0	780	3.5	M50	M250
HSG 230/4.5	4.5	1035	HSG 260/3.5	3.5	910	4.6	M100	M300
HSG 230/6	6.0	1380	HSG 260/4.5	4.5	1170	4.6	M100	M400
HSG 230/8	8.0	1840	HSG 260/6.3	6.3	1638	7.0	M200	M500
HSG 230/10	10.0	2300	HSG 260/8	8.0	2080	7.0	M200	
HSG 230/12	12.0	2760	HSG 260/10	10.0	2600	9.2	M250	
HSG 230/18	18.0	4140	HSG 260/15	15.0	3900	13.3	M300	
HSG 230/23	23.0	5290	HSG 260/20	20.0	5200	14.0	M400	
HSG 230/32	32.0	7360	HSG 260/30	30.0	7800	20.5	M500	