

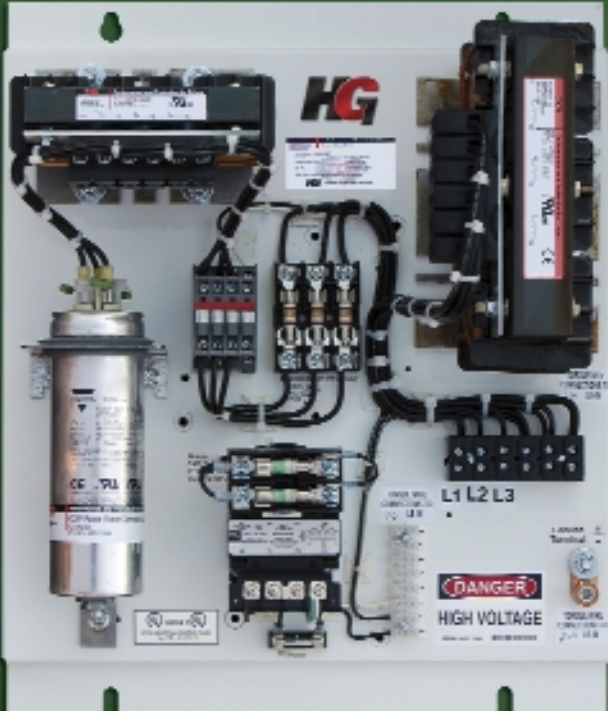


# HG7 STC

## HG7 Contactor Option

Designed for Harmonic Reduction of VFDs when:

- Significant units are tied to the same power distribution feeder
- The monitoring functions are not required



(15 HP model shown here)

### Issue

All Passive Harmonic Filters use capacitors to reduce/eliminate the 5th and 7th harmonics generated by VFDs. However, they also have leading power factor when operated at less than 50% load. This may interact with other devices on a power distribution system.

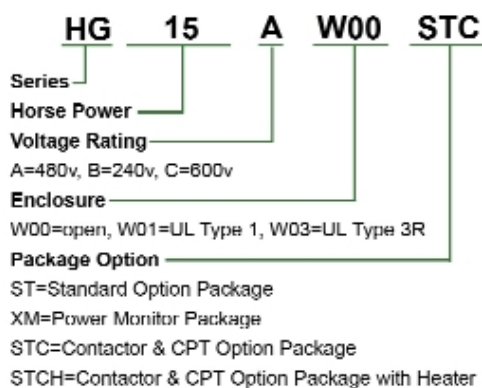
### Solution

The STC version of TCI's popular HG7 product family provides a contactor in the capacitor circuit which allows the VFD user to remove the capacitors when the VFD is idling. Simply use a relay, provided with the VFD, when the motor speed falls below a preset speed. This virtually eliminates the possibility of leading power factor interacting with other devices on the system.

### Availability

- Open, UL Type 1 & UL Type 3R Enclosures
- 480 Volt; 7.5 – 600 HP
- Other Voltages and HP are available upon request

### Part Numbering System





# Performance and Protection for Drives

## HG7 Contactor Option

480V OPEN	Open Part Number	HP	kVar	Watts Loss	Dimensions (in.)			Open Weight
					Height	Width	Depth	
HG8AW00STC	7.5	3	200	19.75	17.00	6.50	45	
HG10AW00STC	10	3	200	19.75	17.00	6.50	45	
HG15AW00STC	15	4	275	19.75	17.00	9.00	55	
HG20AW00STC	20	6	300	19.75	17.00	8.00	65	
HG25AW00STC	25	7	325	30.75	17.00	8.00	75	
HG30AW00STC	30	10	375	30.75	17.00	12.50	85	
HG40AW00STC	40	15	625	30.75	17.00	12.50	125	
HG50AW00STC	50	15	650	30.75	17.00	12.50	135	
HG60AW00STC	60	20	825	30.75	17.00	12.50	140	
HG75AW00STC	75	25	950	30.75	17.00	12.50	145	
HG100AW00STC	100	30	975	56.00	17.00	12.50	205	
HG125AW00STC	125	40	1150	56.00	17.00	16.50	225	
HG150AW00STC	150	45	1450	56.00	17.00	16.50	265	
HG200AW00STC	200	60	1775	67.00	17.00	19.00	360	
HG250AW00STC	250	75	2050	67.00	17.00	19.00	370	
HG300AW00STC	300	90	2500	60.00	32.00	19.00	445	
HG350AW00STC	350	105	2725	60.00	32.00	19.00	470	
HG400AW00STC	400	120	3100	60.00	32.00	20.00	570	
HG450AW00STC	450	150	3350	40.00	40.00	20.00	690	
HG500AW00STC	500	150	3500	40.00	40.00	20.00	725	
HG600AW00STC	600	180	3500	45.00	45.00	24.00	1000	

480V TYPE 1	Enclosed Part Number	HP	kVar	Wall Mount / Free Standing	Dimensions (in.)			Enclosed Weight
					Height	Width	Depth	
HG8AW01STC	7.5	3	200	Wall Mount	19.75	17.50	12.14	70
HG10AW01STC	10	3	200	Wall Mount	19.75	17.50	12.14	70
HG15AW01STC	15	5	275	Wall Mount	19.75	17.50	12.14	80
HG20AW01STC	20	6	300	Wall Mount	19.75	17.50	12.14	90
HG25AW01STC	25	8	325	Wall Mount	30.75	17.50	12.14	105
HG30AW01STC	30	10	375	Wall Mount	30.75	17.50	12.14	135
HG40AW01STC	40	15	625	Wall Mount	30.75	17.50	12.14	175
HG50AW01STC	50	15	650	Wall Mount	30.75	17.50	12.14	185
HG60AW01STC	60	20	825	Wall Mount	30.75	17.50	12.14	195
HG75AW01STC	75	25	950	Wall Mount	30.75	17.50	12.14	210
HG100AW01STC	100	30	975	Wall Mount	56.00	17.50	16.15	235
HG125AW01STC	125	40	1150	Wall Mount	56.00	17.15	16.15	315
HG150AW01STC	150	45	1450	Wall Mount	56.00	17.15	16.15	360
HG200AW01STC	200	60	1775	Free Standing	70.00	20.00	20.00	500
HG250AW01STC	250	75	2050	Free Standing	70.00	20.00	20.00	530
HG300AW01STC	300	90	2500	Free Standing	70.00	20.00	20.00	600
HG350AW01STC	350	105	2725	Free Standing	70.00	20.00	20.00	650
HG400AW01STC	400	120	3100	Free Standing	60.00	52.00	24.00	995
HG450AW01STC	450	150	3350	Free Standing	60.00	52.00	24.00	1010
HG500AW01STC	500	150	3500	Free Standing	60.00	52.00	24.00	1025
HG600AW01STC	600	180	3500	Free Standing	60.00	52.00	24.00	1250

Version 1.5