



HG7 STC 3R

HG7 Contactor 3R Option

Designed for Harmonic Reduction of VFDs when:

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



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.

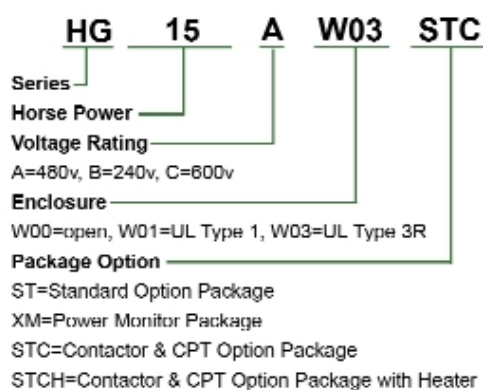
Solution

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 3R Option

480V TYPE 3R	Enclosed Part Number	HP	kVar	Wall Mount / Free Standing	Dimensions (in.)			Enclosed Weight
					Height	Width	Depth	
HG8AW03STC	7.5	3	3	Wall Mount	33	33	14	106
HG10AW03STC	10	3	3	Wall Mount	33	33	14	113
HG15AW03STC	15	5	5	Wall Mount	33	33	14	125
HG20AW03STC	20	6	6	Wall Mount	33	33	14	126
HG25AW03STC	25	8	8	Wall Mount	33	33	14	145
HG30AW03STC	30	10	10	Wall Mount	33	33	14	153
HG40AW03STC	40	15	15	Wall Mount	36	40	14	221
HG50AW03STC	50	15	15	Wall Mount	36	40	14	231
HG60AW03STC	60	20	20	Wall Mount	36	40	14	241
HG75AW03STC	75	25	25	Wall Mount	36	40	14	252
HG100AW03STC	100	30	30	Wall Mount	36	40	14	271
HG125AW03STC	125	40	40	Wall Mount	36	40	14	291
HG150AW03STC	150	45	45	Free Standing	51	40	18	405
HG200AW03STC	200	60	60	Free Standing	51	40	18	475
HG250AW03STC	250	75	75	Free Standing	51	46	22	550
HG300AW03STC	300	90	90	Free Standing	51	46	22	620
HG350AW03STC	350	105	105	Free Standing	51	46	22	670
HG400AW03STC	400	120	120	Free Standing	64	58	26	994
HG450AW03STC	450	150	150	Free Standing	64	58	26	1004
HG500AW03STC	500	150	150	Free Standing	64	58	26	1019
HG600AW03STC	600	180	180	Free Standing	64	58	26	1244

480V TYPE 3R w/ Heater	Enclosed Part Number	HP	kVar	Wall Mount / Free Standing	Dimensions (in.)			Enclosed Weight
					Height	Width	Depth	
HG8AW03STCH	7.5	3	3	Wall Mount	33	33	14	110
HG10AW03STCH	10	3	3	Wall Mount	33	33	14	117
HG15AW03STCH	15	5	5	Wall Mount	33	33	14	129
HG20AW03STCH	20	6	6	Wall Mount	33	33	14	130
HG25AW03STCH	25	8	8	Wall Mount	33	33	14	145
HG30AW03STCH	30	10	10	Wall Mount	33	33	14	157
HG40AW03STCH	40	15	15	Wall Mount	36	40	14	225
HG50AW03STCH	50	15	15	Wall Mount	36	40	14	235
HG60AW03STCH	60	20	20	Wall Mount	36	40	14	245
HG75AW03STCH	75	25	25	Wall Mount	36	40	14	256
HG100AW03STCH	100	30	30	Wall Mount	36	40	14	275
HG125AW03STCH	125	40	40	Wall Mount	36	40	14	295
HG150AW03STCH	150	45	45	Free Standing	51	40	18	410
HG200AW03STCH	200	60	60	Free Standing	51	40	18	480
HG250AW03STCH	250	75	75	Free Standing	51	46	22	555
HG300AW03STCH	300	90	90	Free Standing	51	46	22	625
HG350AW03STCH	350	105	105	Free Standing	51	46	22	675
HG400AW03STCH	400	120	120	Free Standing	64	58	26	1000
HG450AW03STCH	450	150	150	Free Standing	64	58	26	1015
HG500AW03STCH	500	150	150	Free Standing	64	58	26	1031
HG600AW03STCH	600	180	180	Free Standing	64	58	26	1255

Version 1.2