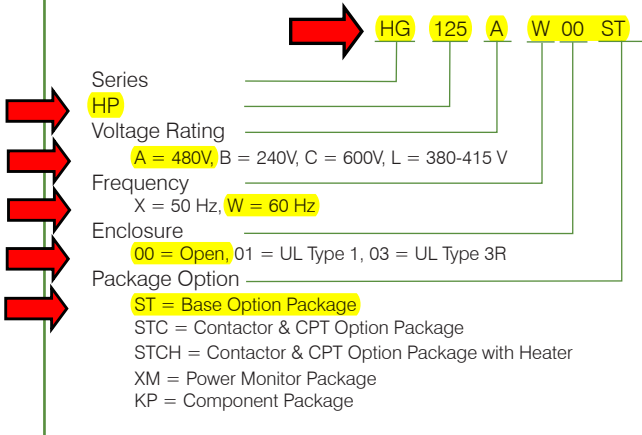


→ Cross Reference RA Part Number 353518

Part Numbering System

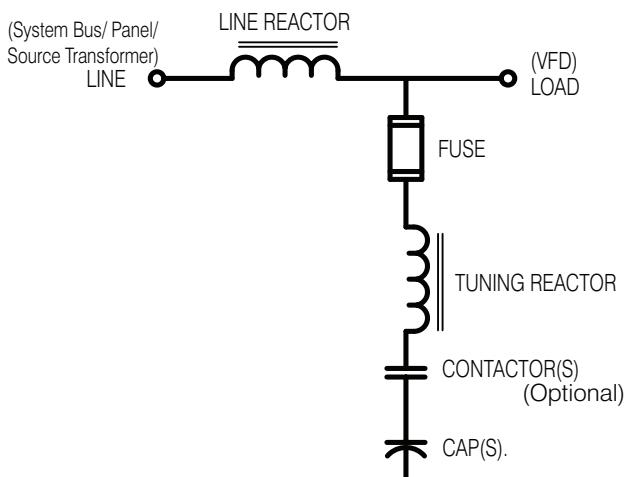


Package Options

Configure the HG7 to meet your performance and monitoring needs:

- **ST** - High Quality Harmonic Filter
- STC** - High Quality Harmonic Filter with contactor and control power transformer which allows users to remove the capacitors from circuit, eliminating the possibility of leading power factor
- XM** - Similar to STC version with the addition of a power monitor display to view filter performance

One-Line Diagram



Product Specifications

- 3-Phase
- Ratings:
 - **480V/60Hz: 7.5 - 900 HP**
 - 600V/60Hz: 15 - 900 HP
 - 240V/60Hz: 7.5 - 100 HP
 - 400V/50Hz: 4 - 710 kW
- Harmonic Reduction: < 7% (Typically better TDD) at full load
- Efficiency (typical):
 - Below 100 HP ≥ 98%
 - 100 - 250 HP ≥ 98.8%
 - Above 250 HP > 99%
- Capacitors: Components designed for harmonic-rich environments
- Protection: All units have internal fusing protection for the capacitors and trap reactor
- Operating Temperature:
 - Open: 50° C (122° F)
 - Enclosed: 40° C (104° F)
- Maximum Altitude: 2,000 m (Derating necessary above 2,000 m)
- Fundamental Frequency: 60 Hz (50Hz for 400V)
- Agency Approvals: cUL, UL
- Enclosures: Open, UL Type 1, UL Type 3R
- HG7 HarmonicGuard Filters are warranted for three years from the date of original shipment

Performance Guarantee

When properly applied and sized for the application, HG7 will typically provide 5 - 6% current distortion. TCI further guarantees that the HG7 will lower ITDD (as calculated using IEEE-519 guidelines) to no more than 8% at the filter input terminals. If a properly selected, installed, and loaded HG7 filter fails to meet the guaranteed performance levels, TCI will provide the necessary components or replacement filter at no additional charge. TCI does not take responsibility for additional installation or removal costs, to include, but not limited to, replacement of third party equipment. Please see TCI web site for minimum system requirements.