



HITRON WINDERS

Passive Harmonic-Filter HarmoniQ™

DATASHEET
PHF-PQ



Technical Data

Rated Voltage	: 390V – 440V (Nominal : 415V _{AC})
Rated Freq	: 50Hz +/- 1%
Suitable Converter	: 3-phase diode bridge rectifier VFD
Rated Power	: 70kW to 500kW
Max. Ambient Temp	: 50° C
THDi	: 4.8% - 5.8% (@full load**)
Cooling	: Air Forced Cooling (In-Side Panel)
Overload Capability	: 150% of current for 1 min
Insulation Class	: IEC = H / UL = Class 180
Efficiency	: Up-to 98%
Insulation level	: 2.5kV _{AC} For 1 Minute
Degree Of Protection	: IP00
Capacitive kVAr	: <25%

Features and Benefits

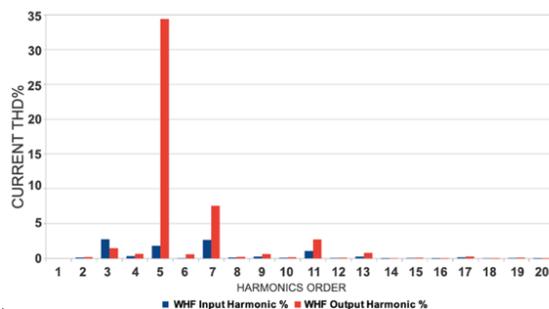
- Helps to meet IEEE 519-2014 compliant
- UL Certified Insulation : Nomex® 410 / YT510
- UL Certified Heavy Duty Capacitor
- Compact Size & Easy Installation within Panel
- Improve Power Factor upto 0.985
- Increase Drive UpTime

**THDi @ full load with default line THD_v <2%, Voltage Unbalance <1%

Approval



2014/35/EU – Low Voltage Directive



ONE-LINE DIAGRAM

