


DATASHEET

PASSIVE HARMONIC FILTER - PQPH SERIES

Passive harmonic filter designed and manufactured to provide an economical solution in harmonic mitigation in Power Systems by maintaining THID 5% in compliance with current and voltage requirements of IEEE 519.

Technical Specifications

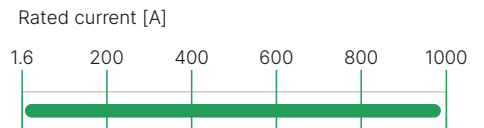
Maximum Continuous operating voltage	3X380-415VAC
Operating Frequency	50 Hz
Type	3 Phase 3 Wire
Nominal Current Rating	1,6A to 1000A
Total harmonic Current Distortion	5% at 100% load
Efficiency	>98% for rated voltage and power
Line Voltage unbalance	<1%
Overload Capability	1.5x Rated current for 1min(Once/hr)
High Potential test voltage	1500VDC
Temperature Range	-25°C to +70°C
Cooling	External Cooling or Internal fan cooling
Protection	IP00, IP20
Flammability corresponding to	UL 94 V-0
Design corresponding to	UL 61800-5-1, IEEE-519

Benefits

- Increases system efficiency and equipment life
- Reduces losses
- Eliminates nuisance tripping
- High attenuation of individual harmonics
- Improves reliability of the system
- Reduces Operation and maintenance cost

Applications

- Motor Drives
- Electronic power supplies and UPS
- Diode Rectifier
- HVAC

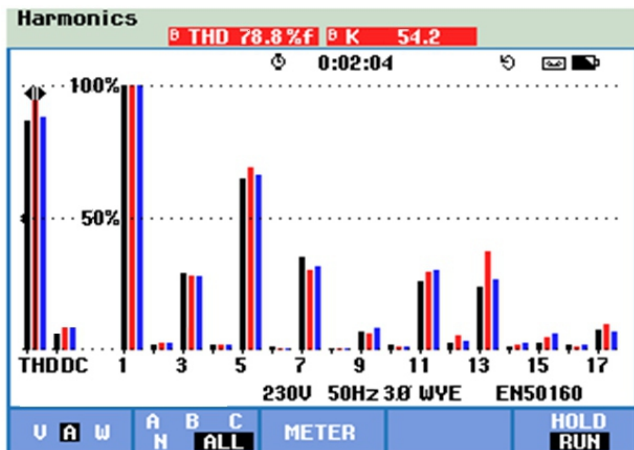


Technical Data

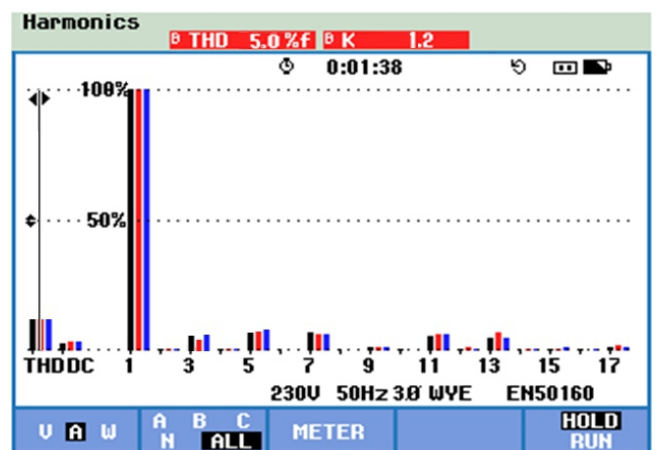
Part Number	Rated Load Power @400V/50Hz [KW]	Rated Filter input current(A)	Termination
PQPH-3H1N10002C-X	1.1	1.6	Connectors
PQPH-3H2N20003C-X	2.2	3	Connectors
PQPH-3H4000006C-X	4	6	Connectors
PQPH-3H5N50008C-X	5.5	8	Connectors
PQPH-3H7N50011C-X	7.5	11	Connectors
PQPH-3H1100016C-X	11	16	Connectors
PQPH-3H1500022C-X	15	22	Connectors
PQPH-3H1900028C-X	19	28	Connectors
PQPH-3H2200032C-X	22	32	Connectors
PQPH-3H3000044C-X	30	44	Connectors
PQPH-3H3700054C-X	37	54	Connectors
PQPH-3H4500066C-X	45	66	Connectors
PQPH-3H5500081C-X	55	81	Connectors
PQPH-3H7500110C-X	75	110	Connectors
PQPH-3H9000135C-X	90	135	Connectors
PQPH-3H1100165C-X	110	165	Busbar
PQPH-3H1320200C-X	132	200	Busbar
PQPH-3H1600240C-X	160	240	Busbar
PQPH-3H2000300C-X	200	300	Busbar
PQPH-3H2500380C-X	250	380	Busbar
PQPH-3H3300500C-X	330	500	Busbar
PQPH-3H4000600C-X	400	600	Busbar
PQPH-3H5300800C-X	530	800	Busbar
PQPH-3H66001000C-X	660	1000	Busbar

Note: X Option for fan in case of no external cooling.

Total Harmonic Current Distortion Measurement



Without Harmonic Filter



With Harmonic Filter