

## Description

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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.

## Benefits

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

## Applications

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

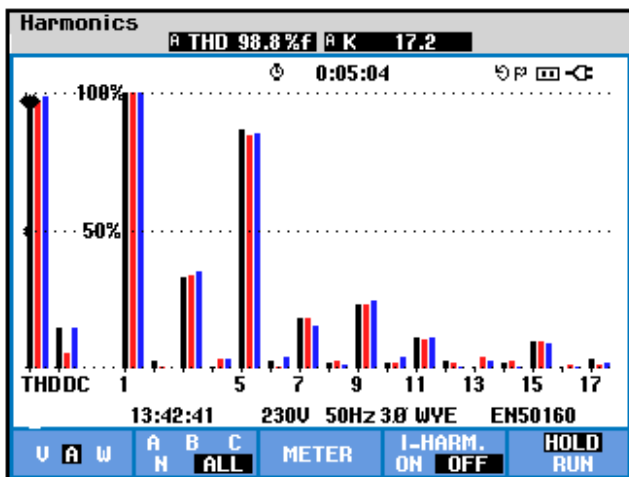
## Technical Specifications

Maximum Continuous Operating Voltage	: 3X380-415VAC
Operating Frequency	: 50/60Hz
Type	: 3 Phase 3 Wire
Nominal Motor Drive input power rating	: 1.1KW to 75KW @400VAC
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

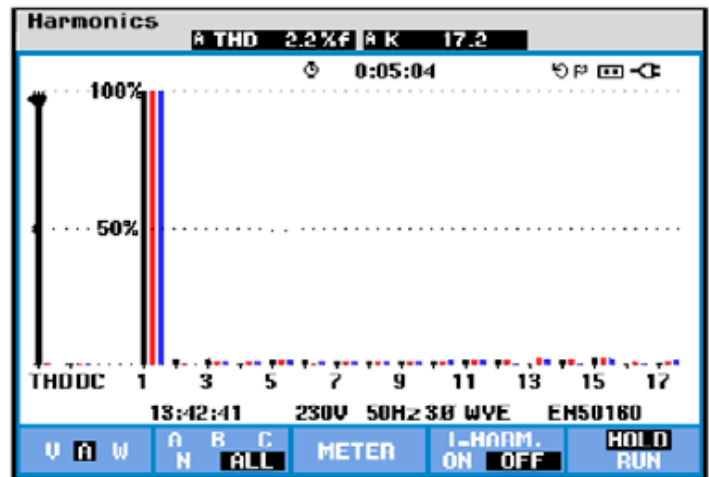
## Insertion Loss Technical Data

Part Number	Rated Load Power @400V/50Hz [KW]	Rated Filter input current (A)	Termination
3H1N10002C	1.1	2	Connector
3H2N20003C	2.2	3	Connector
3H4000006C	4	6	Connector
3H5N50008C	5.5	8	Connector
3H7N50011C	7.5	11	Connector
3H1100016C	11	16	Connector
3H1500022C	15	22	Connector
3H1900028C	19	28	Connector
3H2200032C	22	32	Connector
3H3000044C	30	44	Connector
3H3700054C	37	54	Connector
3H4500066C	45	66	Connector
3H5500081C	55	81	Connector
3H7500110C	75	110	Connector

## Total Harmonic Current Distortion Measurement



Without Harmonic Filter



with Harmonic Filter

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