

## Harmonic filter **HFM-FB 100-400**



Picture shows HFM-FB 24-400

### Advantages

Sinusoidal current consumption from the main in devices with uncontrolled B6U diode rectifiers or controlled B6C thyristor bridges
Compliance with EN 61000-3-2, EN 61000-3-12
Support in the compliance with IEEE 519, D-A-CH-CZ
Power factor >0.95 at rated current
Hardly any intermediate circuit voltage dip by comparison with a 4 % uK line reactor
Use of the HFM as a central hum filter for multiple converters possible

### Applications

Harmonic filter module to ensure sinusoidal main currents, reduction of main harmonic currents, increase in system service life and system reliability and compliance with power quality standards such as IEEE 519, TEC 61000-3-2, IEC 61000-3-12.

### Standards

Harmonic filter in accordance with  
EN 61558 Part 1, EN 61558 Part 20, UL 508 17th Ed., CSA 22.2 No. 14-10

### Approvals



UL 506, CSA 22.2

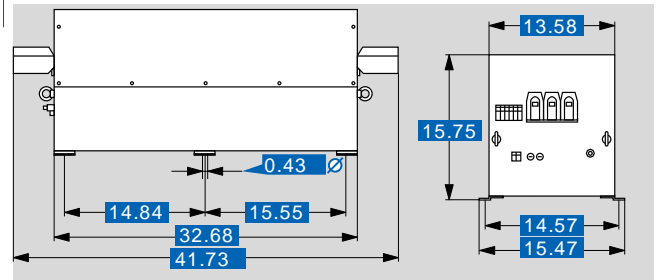


# Harmonic filter HFM-FB 100-400

Type		HFM-FB 100-400
Electrical data	Operating data	
	Rated current	3 x 144.00 A
	Rated voltage	3 x 400 Vac
	Voltage range	380 - 440 Vac
	Rated frequency	50 Hz
	THD-I	7 % typ at nominal load
	Rated load power	100.58 HP
	Description of the load	Balanced load by inverter
	Overtopping Capacity	150 % for 60 sec. every 10 min.
	Efficiency	99 %
	Approvals	
	Approvals	cURus
	Environment	
	Ambient temperature	14 °F to + 104 °F, without condensation
	MTBF @ 122 °F/500 V (Mil-HB-217F)	>200.000 h
Safety and protection		
Type	Metal enclosure	
Insulation class	IEC=F, UL=class 155	
Protection index	IP 00	
Safety class	I	
SCCR	100 kA	
Notes		
*	IE2 efficiencies of the motors and an efficiency >96 % assumed	
Order numbers		
Order Number	<b>HFM-FB 100-400</b>	

Type		HFM-FB 100-400
Mechanical data	Terminal and mounting	
	Terminals phase	
	Connection type	for M8
	Connection cross section [ mm <sup>2</sup> ]	
	Fixing method	Mounting lugs
	Measures and weights	
	Weight	335.10 lbs

## Dimensions in inch



Subject to change.