

Harmonic filter **HFM-FB 50-400**



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

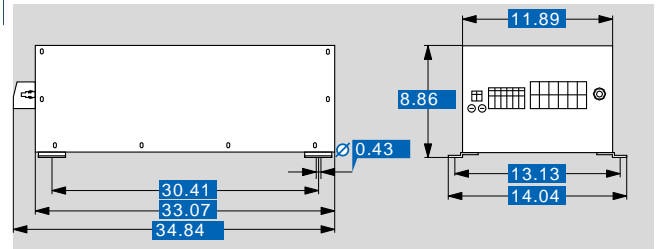


Harmonic filter HFM-FB 50-400

Type	HFM-FB 50-400
Electrical data	
Operating data	
Rated current	3 x 72.00 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	40.23 and 49.62 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	HFM-FB 50-400

Type	HFM-FB 50-400
Mechanical data	
Terminal and mounting	
Terminals phase	Screw clamp, 50 mm ² for M8
Connection type	
Connection cross section [mm ²]	
Fixing method	Mounting lugs
Measures and weights	
Weight	194.01 lbs

Dimensions in inch



Subject to change.