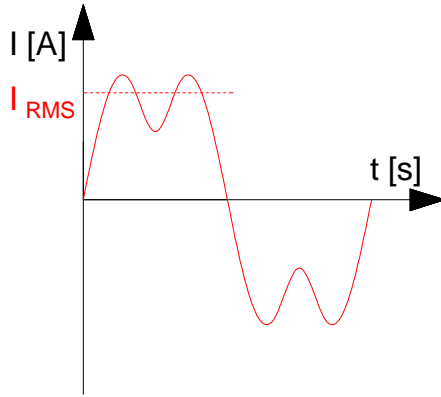
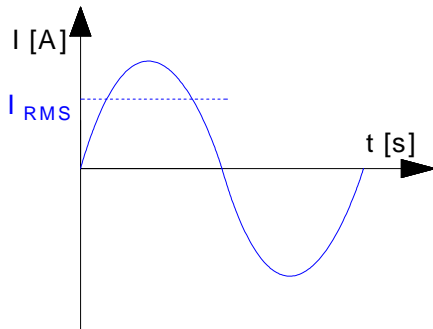




Current without harmonic filter

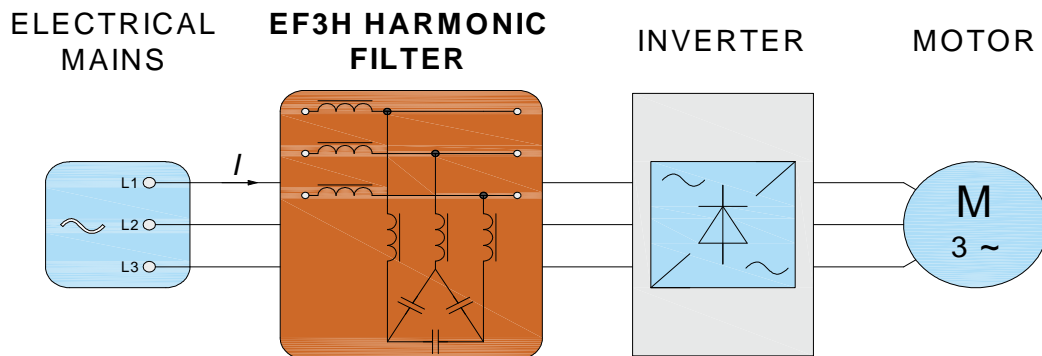


Current with ElhandHF™ filter



Technical data:	
Design	According to the following standards: EN/IEC 60076-6, EN/IEC 61558-2-20
Insulation class	F(155°C) or H(180°C)
Ambient temperature	40°C - land design 45°C - maritime design <50°C - heavy duty design
Climatic/environmental class	C1/E0 - land design C2/E1 - maritime design
Rated frequency	50 Hz
Rated voltage	$U_n=380-415\pm 10\%$ V
THDi harmonic content in the output voltage	≤5%
Overload capability	110% I_n (continuous)
Overload capability	160% I_n 1 min/h (momentary)
Winding material	copper
Mounting	wall, vertical
Degree of protection	IP20

A converter with a 6-pulse input rectifier absorbs from the mains a distorted current with a high harmonic content of lower rank. Absorption of non-sinusoidal current influences the voltage distortion which affects all of the devices supplied from the electrical grid. ElhandHFTM harmonic filters effectively limit the THDi value of the current.



Drive system with EF3H harmonic filter

Note:

Manufacturer reserves the right to make changes resulting from the continuous development of products offered.
If requested in advance, it is possible to manufacture filters in other version.
For designs with climatic/environmental class C2/E1 the letter "M" ought to be added

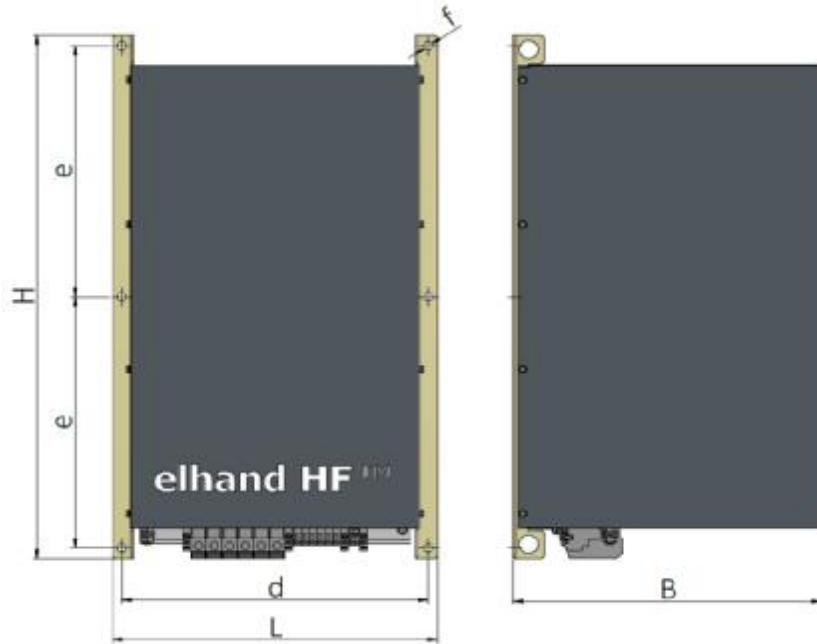
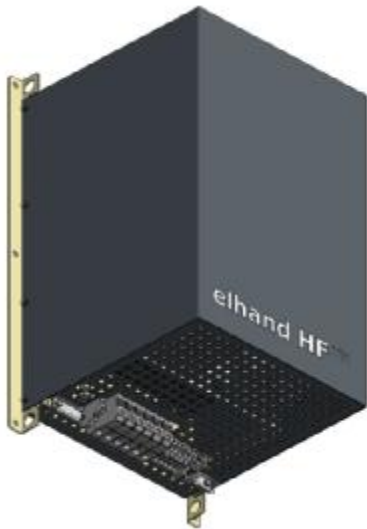
Manufacturer: **ELHAND TRANSFORMATORY Sp. z o.o.**
42-700 Lubliniec, ul. Klonowa 60
tel.: (34) 34 73 100, fax: (34) 34 70 207
<http://www.elhand.pl> e-mail: info@elhand.pl



EF/2018/IX/03

EF3H

ElhandHFTM three-phase harmonic filters,
type EF3H, hanging vertical position



Technical data of three-phase filters EF3H

Type of filter	Power of the drive [kW]	L [mm]	B [mm]	H [mm]	d [mm]	e [mm]	f [mm]	Weight [kg]
EF3H - 2,2/380-415±10%/50 D3 IP20	2,2	230	252	358	212	300	4xØ7	15
EF3H - 3/380-415±10%/50 D3 IP20	3	230	252	358	212	300	4xØ7	16
EF3H - 4/380-415±10%/50 D3 IP20	4	230	252	358	212	300	4xØ7	19
EF3H - 5,5/380-415±10%/50 D3 IP20	5,5	275	267	408	257	350	4xØ9	23
EF3H - 7,5/380-415±10%/50 D3 IP20	7,5	275	267	408	257	350	4xØ9	27
EF3H - 11/380-415±10%/50 D3 IP20	11	310	282	535	292	475	4xØ9	34
EF3H - 15/380-415±10%/50 D3 IP20	15	310	282	535	292	475	4xØ9	44
EF3H - 18,5/380-415±10%/50 D3 IP20	18,5	370	340	600	346	2 x 285	6xØ11	56
EF3H - 22/380-415±10%/50 D3 IP20	22	370	340	600	346	2 x 285	6xØ11	64
EF3H - 30/380-415±10%/50 D3 IP20	30	370	340	600	346	2 x 285	6xØ11	75
EF3H - 37/380-415±10%/50 D3 IP20	37	420	400	735	396	2 x 325,5	6xØ11	88
EF3H - 45/380-415±10%/50 D3 IP20	45	420	400	735	396	2 x 325,5	6xØ11	101
EF3H - 55/380-415±10%/50 D3 IP20	55	420	400	735	396	2 x 325,5	6xØ11	123
EF3H - 75/380-415±10%/50 D3 IP20	75	420	400	735	396	2 x 325,5	6xØ11	145
EF3H - 90/380-415±10%/50 D3 IP20	90	460	420	990	436	2 x 480	6xØ11	183
EF3H - 110/380-415±10%/50 D3 IP20	110	460	420	990	436	2 x 480	6xØ11	202

Note:

Manufacturer reserves the right to make changes resulting from the continuous development of products offered.

If requested in advance, it is possible to manufacture filters in other version.

For designs with climatic/environmental class C2/E1 the letter "M" ought to be added



EF/2018/IX/04

Producent: **ELHAND TRANSFORMATORY Sp. z o.o.**

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