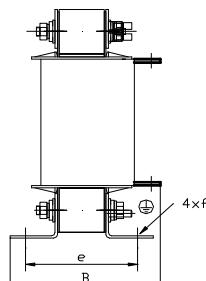
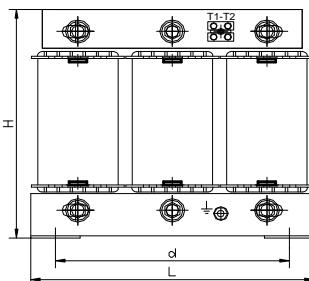


**ED3F-
..*/400/7
AL**

**Three-phase protective chokes
for harmonics filtration in compensation systems p=7%
(rated voltage of capacitive battery 480V)
aluminum windings**



Technical data:

Design	Chokes are produced according to : EN/IEC 61558-2-20; EN/IEC 60938
Windings material	aluminum
Rated voltage of capacitors	480 V
Rated supply voltage	400 V
Frequency	50 Hz
Attenuation coefficient [p]	7% ($f_r=189\text{Hz}$)
Insulation class	F(155°C) - standard
Ambient temperature	40°C - land design 45°C - maritime design
Climatic class /environmental class	C1/E0 - land design C2/E1 - maritime design
Protection degree	IP 00
Magnetic linearity	$I_{\text{LIN}}=1,15 \cdot I_n$
Thermal current	$1,06 \times I_n$

Chokes are assigned for operation in reactive power compensation systems to protect capacitive batteries. Together with capacitors, they form resonance systems which limit amplitude of harmonics currents. It is possible to manufacture the chokes with various coil terminals like screw terminal blocks, cable lugs or copper bus bars, depending on the rated current. There is also a possibility to insert sensors in windings, in order to protect the chokes against overheating.

Q_{LC} - rated reactive power of LC circuit (choke-capacitor)

U_C - rated voltage of the capacitive battery

U_{LC} - rated voltage of the LC circuit

L_N - rated inductance of the protective choke

P - attenuation coefficient

I_N - rated current of the LC circuit

Q_C - rated reactive power of the capacitive battery

Technical data for rated voltage of capacitive battery 480V

Type of the choke [Q _{LC} /U _{LC} /p Q _C /U _C]	Power of battery [kVAr]	L _N [mH]	I _N [A]	L [mm]	B [mm]	H [mm]	d [mm]	e [mm]]	f [mm]	Weight [kg]
ED3F-22,4/400/7-30/480 AL	30	1,71	32,3	240	130	210	198	95	11x29	10,8
ED3F-29,9/400/7-40/480 AL	40	1,28	43,1	240	125	210	198	105	11x29	14,4
ED3F-37,3/400/7-50/480 AL	50	1,03	53,9	240	165	210	198	120	11x29	14,4
ED3F-44,8/400/7-60/480 AL	60	0,86	64,7	240	170	210	198	129	11x29	20,7
ED3F-56/400/7-75/480 AL	75	0,68	80,8	300	160	270	240	120	11x15	23,8
ED3F-74,7/400/7-100/480 AL	100	0,51	107,8	300	180	270	240	133	11x15	29,8

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 a choke in other version.

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



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