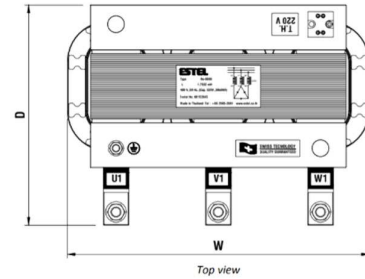
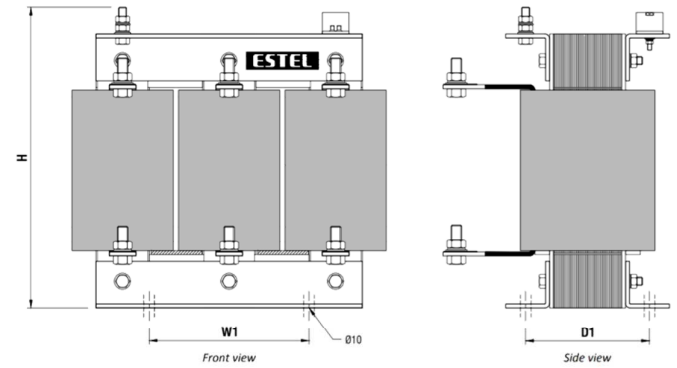


ESTEL Transformer and Reactor Specialist in Collaboration with Wagner + Grimm AG (Switzerland)



3 PHASE DETUNED FILTER REACTOR

Model	System Voltage	Capacitor Rating	Inductance (mH) ±3%	% Reactance	Dimension (mm) ±15%					Weight (kg) ±10%
					W	H	D	D1	W1	
DFR6-400-010/480	400V	10kVAR 480V	4.400	6	180	180	180	102	90	11.8
DFR6-400-015/480	400V	15kVAR 480V	2.933	6	180	180	205	110	90	13.5
DFR6-400-020/480	400V	20kVAR 480V	2.200	6	240	220	175	82	160	14.4
DFR6-400-025/480	400V	25kVAR 480V	1.760	6	240	220	183	87	160	15.5
DFR6-400-030/480	400V	30kVAR 480V	1.466	6	240	220	200	108	160	21.4
DFR6-400-040/480	400V	40kVAR 480V	1.100	6	240	220	225	125	160	30.1
DFR6-400-050/480	400V	50kVAR 480V	0.880	6	240	220	245	138	160	32.3
DFR6-400-060/480	400V	60kVAR 480V	0.733	6	300	265	240	105	200	33.6
DFR6-400-075/480	400V	75kVAR 480 V	0.586	6	300	265	260	115	200	42.5
DFR6-400-080/480	400V	80kVAR 480V	0.550	6	300	265	280	130	200	50.5
DFR6-400-090/480	400V	90kVAR 480V	0.488	6	300	265	290	145	200	51.0
DFR6-400-100/480	400V	100kVAR 480V	0.440	6	300	265	300	155	200	53.5
DFR6-400-120/480	400V	120kVAR 480V	0.366	6	350	330	280	146	240	61.5
DFR6-400-150/480	400V	150kVAR 480V	0.293	6	350	330	290	156	240	66.0
DFR6-400-160/480	400V	160kVAR 480V	0.275	6	350	330	300	166	240	74.0
DFR6-400-200/480	400V	200kVAR 480V	0.220	6	350	330	325	178	240	83.5
DFR7-400-010/480	400V	10kVAR 480V	5.133	7	180	180	180	102	90	11.8
DFR7-400-015/480	400V	15kVAR 480V	3.422	7	180	180	205	110	90	13.5
DFR7-400-020/480	400V	20kVAR 480V	2.566	7	240	220	175	82	160	14.4
DFR7-400-025/480	400V	25kVAR 480V	2.053	7	240	220	183	87	160	15.5
DFR7-400-030/480	400V	30kVAR 480V	1.711	7	240	220	200	108	160	21.4
DFR7-400-040/480	400V	40kVAR 480V	1.283	7	240	220	225	125	160	30.1
DFR7-400-050/480	400V	50kVAR 480V	1.026	7	240	220	245	138	160	32.3
DFR7-400-060/480	400V	60kVAR 480V	0.855	7	300	265	240	105	200	33.6
DFR7-400-075/480	400V	75kVAR 480 V	0.684	7	300	265	260	115	200	42.5
DFR7-400-080/480	400V	80kVAR 480V	0.641	7	300	265	280	130	200	50.5
DFR7-400-090/480	400V	90kVAR 480V	0.570	7	300	265	290	145	200	51.0
DFR7-400-100/480	400V	100kVAR 480V	0.513	7	300	265	300	155	200	53.5
DFR7-400-120/480	400V	120kVAR 480V	0.427	7	350	330	280	146	240	61.5
DFR7-400-150/480	400V	150kVAR 480V	0.342	7	350	330	290	156	240	66.0
DFR7-400-160/480	400V	160kVAR 480V	0.320	7	350	330	300	166	240	74.0
DFR7-400-200/480	400V	200kVAR 480V	0.250	7	350	330	325	178	240	83.5



Technical Specification:

- Standard : In accordance with IEC60076-6
- Type : Iron core, natural air cooled
- System voltage : 3 phase 400 50 Hz
- Capacitor voltage : 3 phase 480V 50 Hz
- Inductance tolerance : ±3% at Ieff
- Inductance linearity : $L \neq 0.95L_n$ at 1.3 Ieff
- Ambient temperature : 50°C
- Insulation Class : F (155°C)
- Impregnation : Vacuum pressure impregnated
- Designed according to the basic system harmonic currents as follows:

- I5 = 55%
- I7 = 30%
- I11 = 15%
- I13 = 10%

