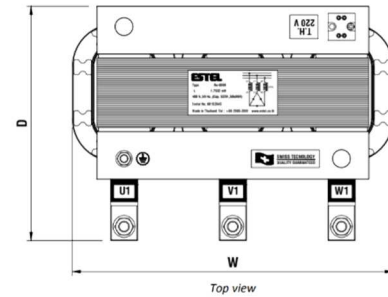
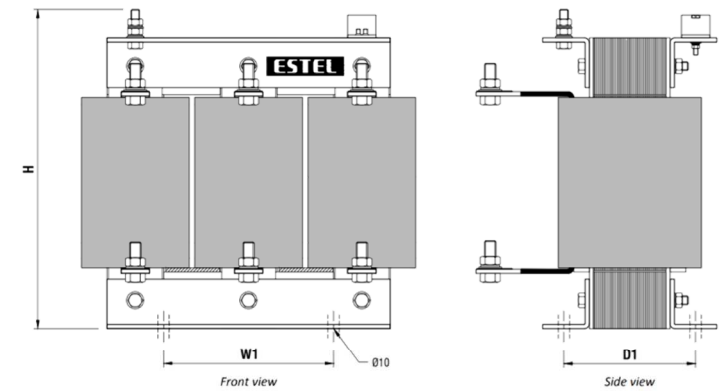


ESTEL Transformer and Reactor Specialist in Collaboration with Wagner + Grimm AG (Switzerland)



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	
DFR6-400-010/440	400V	10kVAR 440V	3.697	6	180	205	180	102	90	12.5
DFR6-400-015/440	400V	15kVAR 440V	2.464	6	240	245	175	80	160	13.5
DFR6-400-020/440	400V	20kVAR 440V	1.848	6	240	245	181	85	160	15.1
DFR6-400-025/440	400V	25kVAR 440V	1.478	6	240	245	183	87	160	17.0
DFR6-400-030/440	400V	30kVAR 440V	1.232	6	240	245	186	89	160	22.1
DFR6-400-040/440	400V	40kVAR 440V	0.924	6	240	245	225	130	160	27.5
DFR6-400-050/440	400V	50kVAR 440V	0.739	6	240	245	250	143	160	31.8
DFR6-400-060/440	400V	60kVAR 440V	0.616	6	240	245	250	146	164	34.2
DFR6-400-075/440	400V	75 kVAR 440 V	0.492	6	300	290	250	136	200	39.9
DFR6-400-080/440	400V	80kVAR 440V	0.462	6	300	290	250	140	200	43.7
DFR6-400-090/440	400V	90kVAR 440V	0.410	6	300	290	250	145	200	52.5
DFR6-400-100/440	400V	100kVAR 440V	0.369	6	300	290	250	146	200	58.0
DFR7-400-010/440	400V	10kVAR 440V	4.313	7	180	205	180	107	90	13.0
DFR7-400-015/440	400V	15kVAR 440V	2.875	7	240	245	180	84	160	14.0
DFR7-400-020/440	400V	20kVAR 440V	2.156	7	240	245	183	87	160	15.7
DFR7-400-025/440	400V	25kVAR 440V	1.725	7	240	245	186	89	160	17.5
DFR7-400-030/440	400V	30kVAR 440V	1.437	7	240	245	200	114	160	22.8
DFR7-400-040/440	400V	40kVAR 440V	1.078	7	240	245	225	138	160	28.2
DFR7-400-050/440	400V	50kVAR 440V	0.862	7	240	245	250	143	160	32.2
DFR7-400-060/440	400V	60kVAR 440V	0.718	7	300	290	250	116	200	35.4
DFR7-400-080/440	400V	80kVAR 440V	0.539	7	300	290	300	166	200	44.7
DFR7-400-090/440	400V	90kVAR 440V	0.479	7	300	295	290	146	200	53.1
DFR7-400-100/440	400V	100kVAR 440V	0.431	7	300	295	295	151	200	59.0
DFR14-400-010/440	400V	10kVAR 440V	8.627	14	240	245	180	84	160	15.0
DFR14-400-015/440	400V	15kVAR 440V	5.751	14	240	245	205	120	160	17.0
DFR14-400-020/440	400V	20kVAR 440V	4.313	14	240	245	225	138	160	31.5
DFR14-400-025/440	400V	25kVAR 440V	3.451	14	240	245	240	143	160	35.7
DFR14-400-030/440	400V	30kVAR 440V	2.875	14	300	290	250	116	200	37.1
DFR14-400-040/440	400V	40kVAR 440V	2.156	14	300	290	300	140	200	40.2
DFR14-400-050/440	400V	50kVAR 440V	1.725	14	300	300	200	150	200	51.0
DFR14-400-060/440	400V	60kVAR 440V	1.437	14	300	300	330	165	200	67.5
DFR14-400-080/440	400V	80kVAR 440V	1.078	14	360	340	270	140	240	88.8
DFR14-400-090/440	400V	90kVAR 440V	0.958	14	360	345	280	155	240	104.2
DFR14-400-100/440	400V	100kVAR 440V	0.862	14	360	350	300	170	240	118.0



Technical Specification:

Standard : In accordance with IEC60076-6
 Type : Iron core, natural air cooled
 System voltage : 3 phase 400V 50 Hz
 Capacitor voltage : 3 phase 440V 50 Hz
 Inductance tolerance : ±3% at leff
 Inductance linearity : $L \neq 0.95L_n$ at 1.3 leff
 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%



ESTEL COMPANY LIMITED
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