

WFC-Series

Superior Thermal Management for Demanding AC Applications

NWL has leveraged two generations of water cooled capacitor design and operational expertise to produce our WFC Series capacitors for a wide range of induction heating applications, to include melting, forging, billet heating, hardening, and other types of heat treating.

With our expanded, Class 10000 clean room manufacturing capabilities, we can develop any solution for your induction heating power supplies, regardless of size.

We now offer our new Jumbo Can™ high performance capacitors for low frequency and high voltage AC resonant tank circuits.



General Specifications

Capacity:	50 to 15,500 KVAR
Voltage:	50 to 4,000 VAC rms
Frequency:	10 Hz to 450 kHz
Current:	100 to 4,500 A rms
Package:	Aluminum welded cases
Cooling:	45° C max outlet water

Available Features and Options

- Pressure switches
- Live vs. Dead case construction
- Single to multiple fine-tuning values per capacitor
- Choice of custom bracket style and location
- Internal discharge resistors
- Choice of cooling water connections
- Choice of terminal connections

KVAR	VAC rms	Frequency (Hz)	Cap (uF)	Current rms	Case	Sections	Width (in)	Length (in)	Height (in)	Weight (kg)
965	1250	100	985	772	dead	1	8.00	22.00	28.00	94
1500	2400	200	207	625	dead	6	6.25	13.50	28.00	65
1750	800	250	1740	2188	dead	1	8.00	22.00	28.00	94
2900	1250	300	985	2321	dead	1	8.00	22.00	28.00	94
1270	1500	300	300	850	dead	1	6.25	13.50	26.00	42
4000	1800	300	650	2210	dead	1	8.00	22.00	31.00	104
4300	2400	300	396	1792	dead	1	8.00	22.00	32.00	107
4000	2800	300	271	1428	dead	1	8.00	22.00	28.00	94
5133	3000	300	303	1711	dead	1	7.50	22.00	32.00	100
4800	2800	400	244	1715	dead	1	7.50	22.00	28.00	88
4200	1250	500	856	3360	live	2	8.00	22.00	28.00	94
4780	2500	500	244	1912	dead	1	7.50	22.00	28.00	88
1000	1250	600	169	800	dead	6	6.25	13.50	12.50	30
7200	3000	600	255	2500	dead	1	7.50	22.00	31.00	98
1900	800	1000	473	2375	dead	8	6.25	13.50	20.50	50
2600	1090	1000	348	2385	live	1	6.50	13.50	18.50	32
2600	1250	1000	265	2080	dead	8	6.25	13.50	21.50	52
3000	1250	1000	306	2400	dead	1	6.25	13.50	21.50	39
3300	1850	1000	153	1784	dead	1	6.25	13.50	18.50	30
13500	3000	1000	197	3722	dead	2	8.00	22.00	28.00	94
4800	1000	1200	637	4800	dead	2	8.00	22.00	28.00	94
1200	1250	1200	102	960	live	6	5.13	13.50	13.00	26
2000	1250	1200	170	1600	live	6	5.25	13.50	15.25	30
1200	1500	1200	71	800	live	6	5.38	13.50	13.00	27
3000	1500	1200	177	2000	live	8	6.25	13.50	17.50	42
4320	1800	1200	177	2400	dead	1	6.00	22.00	13.50	34
7350	3300	1500	72	2272	dead	1	6.50	13.50	29.00	49
900	400	3000	298	2250	dead	8	6.25	13.50	13.00	31
450	800	3000	37	565	live	6	4.13	13.50	7.00	12
900	800	3000	75	1125	live	4	4.13	13.50	13.00	21
1900	800	3000	158	2375	live	8	6.25	13.50	13.00	31
1200	1250	3000	41	960	live	8	4.13	13.50	9.00	14
3000	1250	3000	102	2400	live	8	6.13	13.50	14.00	33
2333	1500	3000	55	1710	live	8	4.13	13.50	13.00	21
3600	1800	3000	59	2000	live	8	5.13	13.50	13.00	26
3900	3000	6000	12	1300	dead	8	4.63	13.50	15.25	28
900	440	9600	77	2045	live	6	4.13	13.50	13.00	21
450	800	9600	12	562	live	6	4.13	13.50	7.00	12
1200	800	9600	31	1500	live	5	4.13	13.50	7.00	12
1900	800	10000	47	2378	live	8	4.38	13.50	9.50	16
3000	1250	10000	31	2400	live	8	5.25	13.50	13.00	26
3000	2500	10000	8	1200	live	6	5.75	13.50	13.50	30
1050	800	25000	10	1320	live	6	4.13	13.50	7.00	12
3000	2000	30000	4	1508	live	7	5.13	13.50	15.25	30
955	800	50000	4.8	1200	live	6	6.13	13.50	15.00	36
1235	1250	50000	2.5	988	live	6	6.13	13.50	14.25	34
3150	3000	50000	1.1	1050	dead	6	6.25	13.50	14.00	34
1000	1250	100000	1	800	live	6	4.50	13.50	6.00	11
1000	1250	200000	0.51	800	live	6	4.50	13.50	5.00	10
1000	2500	200000	0.13	404	live	6	4.50	13.50	5.00	10
1000	1250	450000	0.227	800	live	6	4.50	13.50	5.00	10
1000	2500	450000	0.06	404	live	6	4.50	13.50	5.00	10

Modifications for all ratings, case, and sections are available.
Consult factory with detail requirements or request technical dialog.



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