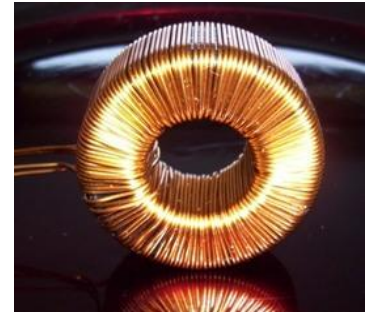


SUMMARY

The WD range is based on more than thirty years experience of the suppression of phase-angle light dimmers, which has made Almag one of the World's largest manufacturers of dimmer chokes. The range of rise-times and inductances for each current rating allows our WD chokes to cover all dimmer requirements, from straight emc compliance through to high rise-time TV and film studio dimmers. All types use powder toroidal cores, for optimum high frequency suppression and low flux-leakage.



CURRENT RATINGS

Current ratings are determined by thermal considerations, assuming good convection cooling, and should be adjusted upwards or downwards according to the actual cooling conditions in the customer's equipment. The powder cores used have a "soft" saturation, which means that they do not have the magnetically limited current ratings that apply to laminated chokes.

INDUCTANCE, RESISTANCE & RISE-TIME

The inductance shown is the nominal value for low drive-level, bridge measurement, typically at 1kHz. The resistance shown is for DC measurement at 25 degrees C. The rise-times shown are approximate, from 10% to 90% of the current waveform at 90 degrees firing angle.

CHOKE POTTING

To assist with mounting, many chokes in this series are available with optional bottom potting in resin, with a central mounting hole. Please contact us about whether this option is available for any part numbers of interest.



REVISIONS NOVEMBER 2015

- 8A to 18A low-profile WD077A range added
- 10A to 30A low-profile WD102D range added
- 12A to 18A high rise-time WD102A chokes added
- 30A to 70A higher current WD102F low profile range added

Current Normal cooling Amps	L (nom) mH	Rise-time (approx) 230V usec	Part no	Diameter (nom.) mm	Thickness (nom.) mm	R (nom.) Ohms	Rise-time (approx) 110V usec	Current Fan cooling Amps
0.7	4		WD018B-007-000	21	10	1.8		1
1	1.6		WD018B-010-000	21	10	0.81		1.3
1	2.9		WD020C-010-000	25	11	1		1.3
1.3	1.1		WD018B-013-000	21	11	0.46		1.7
1.3	1.6		WD020C-013-000	25	11	0.58		1.7
1.3	2.5		WD020B-013-000	25	14	0.79		1.7
1.7	1.1		WD020C-017-000	26	11	0.34		2.2
1.7	1.7		WD020B-017-000	25	14	0.43		2.2
1.7	2.3		WD024E-017-000	29	13	0.45		2.2
2.2	1		WD020B-022-000	25	14	0.25		2.9
2.2	1.5		WD024E-022-000	29	13	0.3		2.9
2.2	2.3		WD027E-022-000	31	16	0.41		2.9

Dimmer chokes

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Current Normal cooling Amps	L (nom) mH	Rise-time (approx) 230V usec	Part no	Diameter (nom.) mm	Thickness (nom.) mm	R (nom.) Ohms	Rise-time (approx) 110V usec	Current Fan cooling Amps
2.6	1.2		WD024E-026-000	29	13	0.21		3.4
2.6	1.7		WD027E-026-000	31	16	0.28		3.4
2.6	3.4		WD033H-026-000	39	17	0.35		3.4
3	1.4		WD027E-030-000	31	16	0.23		4
3	2.8		WD033H-030-000	39	17	0.28		4
3	2.3	70	WD040E-030-070	47	22	0.4	150	4
3	3	80	WD040E-030-080	47	22	0.41	165	4
3	4.4	150	WD047C-030-150	51	23	0.56	310	4
3	6.3	180	WD047C-030-180	54	24	0.67	370	4
3	7.8	200	WD047C-030-200	54	24	0.59	420	4
3.5	0.9		WD027E-035-000	31	16	0.16		4.5
3.5	1.9		WD033H-035-000	39	17	0.21		4.5
3.5	1.7	60	WD040E-035-060	47	22	0.31	120	4.5
3.5	2.3	70	WD040E-035-070	47	22	0.28	150	4.5
3.5	3	80	WD040E-035-080	47	22	0.28	165	4.5
3.5	4.4	150	WD047C-035-150	54	24	0.45	310	4.5
3.5	6.3	180	WD047C-035-180	54	24	0.47	370	4.5
3.5	7.8	200	WD047C-035-200	54	24	0.46	420	4.5
4	1.2		WD033H-040-000	39	17	0.15		5
4	1.4		WD036A-040-000	43	18	0.16		5
4	1.2	50	WD040E-040-050	47	22	0.23	100	5
4	1.7	60	WD040E-040-060	47	22	0.21	120	5
4	2.3	70	WD040E-040-070	47	22	0.22	150	5
4	3	80	WD040E-040-080	47	22	0.23	165	5
4	2.8	120	WD047C-040-120	52	23	0.36	250	5
4	4.4	150	WD047C-040-150	54	24	0.35	310	5
4	6.3	180	WD047C-040-180	54	24	0.37	370	5
4	3.3	200	WD051D-040-200	56	33	0.45	420	5
4.5	1.1		WD033H-045-000	39	17	0.13		6
4.5	1.3		WD036A-045-000	43	18	0.14		6
4.5	1.2	50	WD040E-045-050	47	22	0.18	100	6
4.5	1.7	60	WD040E-045-060	47	22	0.17	120	6
4.5	2.3	70	WD040E-045-070	47	22	0.18	150	6
4.5	1.8	100	WD047C-045-100	52	23	0.26	200	6
4.5	2.8	120	WD047C-045-120	52	23	0.28	250	6
4.5	4.4	150	WD047C-045-150	51	23	0.25	310	6
4.5	5.5	200	WD051D-045-200	56	33	0.35	420	6
5	0.8		WD033H-050-000	40	17	0.1		7
5	1		WD036A-050-000	43	18	0.1		7
5	1.2	50	WD040E-050-050	47	22	0.14	100	7
5	1.7	60	WD040E-050-060	47	22	0.14	120	7
5	1.3	80	WD047C-050-080	51	23	0.21	165	7
5	1.8	100	WD047C-050-100	52	23	0.23	200	7
5	2.8	120	WD047C-050-120	51	25	0.22	250	7
5	3.2	130	WD047C-050-130	55	26	0.22	270	7
5	2.6	180	WD051D-050-180	56	33	0.28	370	7
5	3.3	200	WD051D-050-200	56	33	0.28	420	7
5	5.5	260	WD051D-050-260	58	32	0.29	540	7

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Dimmer chokes

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Current Normal cooling Amps	L (nom) mH	Rise-time (approx) 230V usec	Part no	Diameter (nom.) mm	Thickness (nom.) mm	R (nom.) Ohms	Rise-time (approx) 110V usec	Current Fan cooling Amps
6	0.6		WD033H-060-000	41	17	0.078		8
6	0.9		WD036A-060-000	43	18	0.085		8
6	1.2	50	WD040E-060-050	47	22	0.1	100	8
6	1	70	WD047C-060-070	51	23	0.15	150	8
6	1.3	80	WD047C-060-080	51	25	0.15	165	8
6	1.8	100	WD047C-060-100	51	23	0.16	200	8
6	2.6	120	WD047C-060-120	55	25	0.15	240	8
6	1.8	150	WD051D-060-150	56	33	0.21	310	8
6	2.6	180	WD051D-060-180	56	33	0.23	370	8
6	3.3	200	WD051D-060-200	56	33	0.2	420	8
6	3.7	250	WD063A-060-250	70	33	0.26	510	8
7	0.7	60	WD047C-070-060	51	23	0.11	120	9.5
7	1	70	WD047C-070-070	51	23	0.12	150	9.5
7	1.3	80	WD047C-070-080	51	23	0.12	165	9.5
7	1.8	100	WD047C-070-100	51	23	0.12	200	9.5
7	1.2	120	WD051D-070-120	56	33	0.15	250	9.5
7	1.8	150	WD051D-070-150	56	33	0.15	310	9.5
7	2.6	180	WD051D-070-180	56	33	0.16	370	9.5
7	2.9	190	WD051D-070-190	58	32	0.15	400	9.5
7	2.4	200	WD063A-070-200	68	32	0.19	410	9.5
7	3.7	250	WD063A-070-250	70	33	0.21	510	9.5
7	5.7	310	WD063A-070-310	70	35	0.21	640	9.5
8	0.7	60	WD047C-080-060	51	23	0.092	120	11
8	1	70	WD047C-080-070	51	23	0.086	150	11
8	1.3	80	WD047C-080-080	51	23	0.09	165	11
8	0.8	100	WD051D-080-100	56	33	0.13	200	11
8	1.2	120	WD051D-080-120	56	33	0.12	250	11
8	1.8	150	WD051D-080-150	56	33	0.12	310	11
8	2	150	WD077A-080-150	83	20	0.13	310	11
8	2.8	175	WD077A-080-175	83	20	0.14	360	11
8	2.6	180	WD051D-080-180	56	33	0.13	370	11
8	2.4	200	WD063A-080-200	68	32	0.17	410	11
8	3.6	200	WD077A-080-200	87	23	0.14	420	11
8	3.8	250	WD063A-080-250	68	32	0.15	520	11
8	4.7	280	WD063A-080-280	70	35	0.15	580	11
8	4.1	300	WD077H-080-300	83	34	0.19	620	11
8	5.6	350	WD077H-080-350	83	34	0.2	730	11
8	7.3	400	WD077H-080-400	87	37	0.19	830	11
9	0.7	60	WD047C-090-060	51	23	0.074	120	12
9	1	70	WD047C-090-070	51	23	0.07	150	12
9	0.8	100	WD051D-090-100	56	33	0.1	200	12
9	1.2	120	WD051D-090-120	56	33	0.1	250	12
9	1.8	150	WD051D-090-150	56	33	0.1	310	12
9	2	150	WD077A-090-150	83	20	0.1	310	12
9	2.8	175	WD077A-090-175	87	23	0.1	360	12
9	2	180	WD063A-090-180	68	32	0.14	370	12
9	2.4	200	WD063A-090-200	68	32	0.13	410	12
9	3.6	200	WD077A-090-200	87	23	0.11	420	12
9	3.8	250	WD063A-090-250	68	32	0.15	520	12

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Dimmer chokes

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Current Normal cooling Amps	L (nom) mH	Rise-time (approx) 230V usec	Part no	Diameter (nom.) mm	Thickness (nom.) mm	R (nom.) Ohms	Rise-time (approx) 110V usec	Current Fan cooling Amps
9	4.2	260	WD063A-090-260	70	36	0.12	540	12
9	4.1	300	WD077H-090-300	83	34	0.15	620	12
9	5.6	350	WD077H-090-350	87	37	0.15	730	12
9	7.3	400	WD077H-090-400	87	37	0.15	830	12
10	0.7	60	WD047C-100-060	51	23	0.059	120	13
10	0.8	100	WD051D-100-100	56	33	0.083	200	13
10	1.2	120	WD051D-100-120	56	33	0.079	250	13
10	1.4	125	WD077A-100-125	83	20	0.087	260	13
10	1.8	150	WD051D-100-150	56	33	0.075	310	13
10	2	150	WD077A-100-150	83	20	0.091	310	13
10	2.8	175	WD077A-100-175	87	23	0.084	360	13
10	2	180	WD063A-100-180	68	32	0.11	370	13
10	3.4	200	WD077A-100-200	87	23	0.093	400	13
10	2.4	200	WD063A-100-200	68	32	0.11	410	13
10	2.7	210	WD063A-100-210	70	35	0.1	430	13
10	2.9	250	WD077H-100-250	83	34	0.12	520	13
10	2.9	280	WD102D-100-280	110	27	0.12	560	13
10	4.1	300	WD077H-100-300	83	34	0.13	620	13
10	3.3	300	WD102D-100-300	110	27	0.13	620	13
10	3.7	320	WD102D-100-320	110	27	0.13	660	13
10	5.6	350	WD077H-100-350	87	37	0.12	730	13
10	5	350	WD102D-100-350	115	34	0.14	700	13
10	6	380	WD102D-100-380	115	34	0.14	780	13
10	6.9	390	WD077H-100-390	87	37	0.13	800	13
10	4.8	400	WD077J-100-400	84	47	0.15	830	13
11	0.8	100	WD051D-110-100	56	33	0.066	200	15
11	1.2	120	WD051D-110-120	56	33	0.069	250	15
11	1.4	125	WD077A-110-125	83	20	0.076	260	15
11	1.5	140	WD051D-110-140	58	33	0.06	280	15
11	1.4	150	WD063A-110-150	68	32	0.084	310	15
11	2	150	WD077A-110-150	87	23	0.072	310	15
11	2.8	175	WD077A-110-175	87	23	0.075	360	15
11	2	180	WD063A-110-180	68	32	0.086	370	15
11	2.4	200	WD063A-110-200	68	32	0.083	410	15
11	2.9	250	WD077H-110-250	83	34	0.11	520	15
11	2.6	270	WD102D-110-270	110	27	0.11	560	15
11	2.9	280	WD102D-110-280	110	27	0.11	560	15
11	4.1	300	WD077H-110-300	87	37	0.1	620	15
11	3.3	300	WD102D-110-300	110	27	0.11	620	15
11	4.3	320	WD102D-110-320	115	34	0.11	660	15
11	5.6	350	WD077H-110-350	87	37	0.1	730	15
11	5.1	350	WD102D-110-350	115	34	0.11	730	15
11	4.8	400	WD077J-110-400	84	47	0.13	830	15
12	0.5	80	WD051D-120-080	56	33	0.053	165	16
12	0.8	100	WD051D-120-100	56	33	0.058	200	16
12	0.9	100	WD077A-120-100	83	20	0.06	200	16
12	1.2	120	WD051D-120-120	56	33	0.06	250	16
12	1.4	125	WD077A-120-125	84	21	0.06	260	16
12	1.4	150	WD063A-120-150	68	32	0.073	310	16

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Dimmer chokes

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Current Normal cooling Amps	L (nom) mH	Rise-time (approx) 230V usec	Part no	Diameter (nom.) mm	Thickness (nom.) mm	R (nom.) Ohms	Rise-time (approx) 110V usec	Current Fan cooling Amps
12	2	150	WD077A-120-150	87	23	0.064	310	16
12	2	180	WD063A-120-180	68	32	0.076	370	16
12	1.8	200	WD077H-120-200	83	34	0.085	410	16
12	2.9	250	WD077H-120-250	84	35	0.086	520	16
12	2.3	250	WD102D-120-250	110	27	0.093	520	16
12	2.6	270	WD102D-120-270	110	27	0.09	560	16
12	2.9	280	WD102D-120-280	110	27	0.094	560	16
12	4.1	300	WD077H-120-300	87	37	0.092	620	16
12	3.6	350	WD077J-120-350	85	48	0.1	720	16
12	4.8	400	WD077J-120-400	85	48	0.12	830	16
12	4.5	500	WD102A-120-500	110	44	0.13	990	16
13	0.5	80	WD051D-130-080	56	33	0.046	165	17
13	0.9	100	WD077A-130-100	83	20	0.053	200	17
13	0.8	100	WD051D-130-100	56	33	0.051	200	17
13	0.8	120	WD063A-130-120	68	32	0.064	240	17
13	1.4	125	WD077A-130-125	86	21	0.054	260	17
13	1.4	150	WD063A-130-150	68	32	0.064	310	17
13	1.6	165	WD063A-130-165	71	36	0.061	340	17
13	1.4	180	WD077H-130-180	83	34	0.077	370	17
13	1.8	200	WD077H-130-200	83	34	0.076	410	17
13	1.9	230	WD102D-130-230	111	29	0.077	480	17
13	2.9	250	WD077H-130-250	86	35	0.077	520	17
13	2.3	250	WD102D-130-250	110	27	0.075	520	17
13	2.64	270	WD102D-130-270	110	27	0.081	560	17
13	2.6	300	WD077J-130-300	85	48	0.089	620	17
13	3.6	350	WD077J-130-350	87	48	0.093	720	17
13	4.2	370	WD077J-130-370	86	52	0.09	770	17
13	3.9	460	WD102A-130-460	111	46	0.1	950	17
13	4.5	500	WD102A-130-500	110	44	0.1	990	17
15	0.4	70	WD051D-150-070	56	33	0.036	150	20
15	0.5	80	WD051D-150-080	56	33	0.036	165	20
15	0.6	100	WD063A-150-100	68	32	0.043	200	20
15	0.9	100	WD077A-150-100	86	21	0.043	200	20
15	1.2	115	WD077A-150-115	86	23	0.04	240	20
15	0.8	120	WD063A-150-120	68	32	0.049	240	20
15	1	130	WD063A-150-130	70	35	0.044	270	20
15	1	150	WD077H-150-150	83	34	0.058	310	20
15	1.4	180	WD077H-150-180	86	35	0.054	370	20
15	1.8	200	WD077H-150-200	86	35	0.06	410	20
15	1.8	220	WD102D-150-220	111	29	0.059	460	20
15	2.4	230	WD077H-150-230	86	37	0.056	480	20
15	1.9	230	WD102D-150-230	111	29	0.056	480	20
15	2.3	250	WD102D-150-250	110	27	0.06	520	20
15	2.6	300	WD077J-150-300	87	48	0.064	620	20
15	3.6	350	WD077J-150-330	87	48	0.075	720	20
15	3.5	440	WD102A-150-440	111	46	0.083	900	20
15	3.9	460	WD102A-150-460	111	46	0.077	950	20
15	4.5	500	WD102A-150-500	110	44	0.084	990	20

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16	0.4	70	WD051D-160-070	56	33	0.032	150	21
16	0.5	80	WD051D-160-080	56	33	0.032	165	21
16	0.6	100	WD063A-160-100	70	32	0.037	200	21
16	0.9	100	WD077A-160-100	86	21	0.034	200	21
16	0.8	120	WD063A-160-120	70	32	0.039	240	21
16	1	150	WD077H-160-150	84	35	0.052	310	21
16	1.1	175	WD102D-160-175	109	24	0.048	360	21
16	1.4	180	WD077H-160-180	86	35	0.049	370	21
16	1.8	200	WD077H-160-200	86	35	0.049	410	21
16	1.4	200	WD102D-160-200	110	27	0.048	410	21
16	2.2	220	WD077H-160-220	87	38	0.048	450	21
16	1.8	220	WD102D-160-220	111	29	0.053	460	21
16	1.9	230	WD102D-160-230	111	29	0.05	480	21
16	1.9	250	WD077J-160-250	87	48	0.062	520	21
16	2.6	300	WD077J-160-300	88	50	0.057	620	21
16	3.2	330	WD077J-160-330	88	52	0.064	680	21
16	2.3	350	WD102A-160-350	109	41	0.066	730	21
16	2.9	400	WD102A-160-400	110	44	0.067	830	21
16	3.5	440	WD102A-160-440	111	46	0.074	900	21
16	3.9	460	WD102A-160-460	11	46	0.069	950	
18	0.5	70	WD051D-180-070	61	34	0.024	150	24
18	0.5	75	WD051D-180-075	58	35	0.022	155	24
18	0.6	100	WD063A-180-100	70	32	0.033	200	24
18	0.9	100	WD077A-180-100	87	24	0.028	200	24
18	0.8	110	WD063A-180-110	70	35	0.031	230	24
18	0.7	120	WD077H-180-120	84	32	0.042	250	24
18	1	150	WD077H-180-150	86	35	0.042	310	24
18	1.1	175	WD102D-180-175	111	28	0.038	360	24
18	1.4	180	WD077H-180-180	87	37	0.039	370	24
18	1.8	200	WD077H-180-200	87	38	0.039	410	24
18	1.5	200	WD102D-180-200	111	29	0.039	410	24
18	1.8	220	WD102D-180-220	111	29	0.043	460	24
18	1.9	250	WD077J-180-250	88	50	0.049	520	24
18	2.6	300	WD077J-180-300	88	51	0.046	620	24
18	2.3	350	WD102A-180-350	111	45	0.053	730	24
18	2.9	400	WD102A-180-400	111	46	0.054	830	24
18	3.5	440	WD102A-180-440	111	46	0.06	900	24
20	0.4	70	WD051D-200-070	61	34	0.021	150	27
20	0.6	100	WD063A-200-100	69	33	0.027	200	27
20	0.7	105	WD063A-200-105	69	33	0.025	210	27
20	0.7	120	WD077H-200-120	86	33	0.034	250	27
20	1	150	WD077H-200-150	87	37	0.033	310	27
20	0.8	150	WD102D-200-150	111	28	0.033	310	27
20	1.1	175	WD102D-200-175	112	30	0.031	360	27
20	1.4	180	WD077H-200-180	87	38	0.031	370	27
20	1.8	200	WD077H-200-200	87	38	0.035	410	27
20	1.4	200	WD102D-200-200	113	30	0.031	410	27
20	1.9	250	WD077J-200-250	88	51	0.039	520	27
20	1.7	300	WD102A-200-300	111	45	0.045	620	27
20	2.3	350	WD102A-200-350	112	47	0.042	730	27
20	2.9	400	WD102A-200-400	113	47	0.043	830	27

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Current Normal cooling Amps	L (nom) mH	Rise-time (approx) 230V usec	Part no	Diameter (nom.) mm	Thickness (nom.) mm	R (nom.) Ohms	Rise-time (approx) 110V usec	Current Fan cooling Amps
23	0.6	100	WD063A-230-100	69	33	0.021	200	31
23	0.7	120	WD077H-230-120	87	38	0.024	250	31
23	0.6	125	WD102D-230-125	111	25	0.025	260	31
23	1	150	WD077H-230-150	87	38	0.024	310	31
23	0.8	150	WD102D-230-150	113	30	0.023	310	31
23	1.1	175	WD102D-230-175	113	30	0.024	360	31
23	1.4	180	WD077H-230-180	87	38	0.025	370	31
23	1.3	190	WD102D-230-190	112	30	0.023	400	31
23	1.2	200	WD077J-230-200	88	51	0.028	420	31
23	1.9	250	WD077J-230-250	90	54	0.031	520	31
23	1.7	300	WD102A-230-300	113	47	0.032	620	31
23	2.3	350	WD102A-230-350	113	47	0.034	730	31
23	2.7	380	WD102A-230-380	112	46	0.032	800	31
25	0.7	120	WD077H-250-120	87	38	0.021	250	33
25	0.6	125	WD102D-250-125	113	30	0.02	260	33
25	1	150	WD077H-250-150	87	38	0.021	310	33
25	0.8	150	WD102D-250-150	113	30	0.021	310	33
25	1.1	175	WD102D-250-175	113	30	0.019	360	33
25	1	180	WD077J-250-180	88	51	0.025	370	33
25	1.2	185	WD102D-250-185	113	30	0.02	390	33
25	1.2	200	WD077J-250-200	88	51	0.025	420	33
25	1.5	220	WD077J-250-220	90	54	0.028	460	33
25	1.2	250	WD102A-250-250	113	47	0.027	520	33
25	1.7	300	WD102A-250-300	113	47	0.029	620	33
25	2.3	350	WD102A-250-350	113	47	0.026	730	33
25	2.5	370	WD102A-250-370	113	47	0.028	760	33
28	0.7	120	WD077H-280-120	87	38	0.017	250	37
28	0.6	125	WD102D-280-125	113	30	0.018	260	37
28	0.7	150	WD077J-280-150	88	51	0.021	310	37
28	0.8	150	WD102D-280-150	113	30	0.017	310	37
28	1.1	175	WD102D-280-175	115	33	0.017	360	37
28	0.6	180	WD102A-280-180	112	43	0.022	370	37
28	0.7	200	WD102A-280-200	113	43	0.021	420	37
28	1.2	250	WD102A-280-250	113	47	0.024	520	37
28	1.7	300	WD102A-280-300	113	47	0.023	620	37
28	2.3	350	WD102A-280-350	115	50	0.024	730	37
30	0.56	110	WD077H-300-110	87	38	0.012	230	40
30	0.43	120	WD077J-300-120	88	48	0.017	250	40
30	0.57	125	WD102D-300-125	113	30	0.014	260	40
30	0.7	150	WD077J-300-150	88	51	0.019	310	40
30	0.8	150	WD102D-300-150	115	33	0.015	310	40
30	0.8	170	WD077J-300-170	87	52	0.016	340	40
30	0.6	180	WD102A-300-180	112	43	0.02	370	40
30	0.7	200	WD102A-300-200	112	43	0.019	420	40
30	1.1	250	WD102A-300-250	113	47	0.019	520	40
30	1.7	300	WD102A-300-300	115	50	0.02	620	40
30	1.8	375	WD102F-300-375	113	64	0.025	780	40
33	0.45	100	WD077H-330-100	86	38	0.011	200	45
33	0.43	120	WD077J-330-120	88	48	0.015	250	45
33	0.7	150	WD077J-330-150	87	51	0.013	310	45

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Current Normal cooling Amps	L (nom) mH	Rise-time (approx) 230V usec	Part no	Diameter (nom.) mm	Thickness (nom.) mm	R (nom.) Ohms	Rise-time (approx) 110V usec	Current Fan cooling Amps
33	0.8	160	WD077J-330-160	88	53	0.014	330	45
33	0.7	200	WD102A-330-200	112	44	0.017	420	45
33	1.2	250	WD102A-330-250	115	50	0.017	520	45
33	1.4	280	WD102A-330-280	114	48	0.016	570	45
33	1.1	300	WD102F-330-300	112	61	0.022	620	45
33	1.8	375	WD102F-330-375	115	67	0.023	780	45
33	2.1	410	WD102F-330-410	114	65	0.022	850	45
40	0.57	140	WD077J-400-140	90	54	0.01	280	54
40	0.42	150	WD102A-400-150	114	45	0.01	310	54
40	0.6	180	WD102A-400-180	115	50	0.011	370	54
40	0.7	200	WD102A-400-200	116	48	0.011	420	54
40	0.83	220	WD132A-400-220	148	37	0.012	450	54
40	0.65	230	WD102F-400-230	114	62	0.014	480	54
40	0.9	270	WD102F-400-270	115	67	0.015	560	54
40	1.1	300	WD102F-400-300	116	65	0.014	620	54
43	0.5	130	WD077J-430-130	91	54	0.0082	270	58
43	0.42	150	WD102A-430-150	115	46	0.0094	310	58
43	0.6	180	WD102A-430-180	116	48	0.01	370	58
43	0.7	200	WD102A-430-200	117	49	0.0088	420	58
45	0.72	200	WD132A-450-200	148	37	0.01	420	58
43	0.65	230	WD102F-430-230	115	63	0.012	480	58
43	0.9	270	WD102F-430-270	116	65	0.013	560	58
43	1.1	300	WD102F-430-300	117	66	0.013	620	58
50	0.28	100	WD077J-500-100	91	54	0.0062	210	67
50	0.42	150	WD102A-500-150	118	50	0.0066	310	67
50	0.6	180	WD102A-500-180	118	50	0.0077	370	67
50	0.64	190	WD132A-500-190	148	37	0.0083	400	67
50	0.65	230	WD102F-500-230	118	67	0.0086	480	67
50	0.9	270	WD102F-500-270	118	67	0.01	560	67
55	0.42	150	WD102A-550-150	119	51	0.006	310	75
55	0.56	180	WD102A-550-180	119	51	0.0068	370	75
55	0.56	180	WD132A-550-180	148	37	0.0069	370	75
55	0.65	230	WD102F-550-230	119	68	0.0078	480	75
60	0.3	130	WD102A-600-130	119	51	0.0051	270	80
60	0.42	150	WD102A-600-150	119	51	0.0053	310	80
60	0.41	150	WD132A-600-150	148	37	0.0059	310	80
60	0.47	200	WD102F-600-200	119	68	0.0067	420	80
60	0.65	230	WD102F-600-230	119	68	0.0069	480	80
65	0.3	120	WD102A-650-130	119	51	0.0045	250	90
65	0.29	130	WD132A-650-130	148	37	0.005	260	90
65	0.34	160	WD102F-650-160	119	68	0.0057	330	85
65	0.47	200	WD102F-650-200	119	68	0.0059	420	85
65	0.58	260	WD132B-650-260	151	60	0.007	530	90
70	0.22	110	WD102A-700-110	119	51	0.0038	230	100
70	0.22	110	WD132A-700-110	148	37	0.0043	230	100
70	0.34	160	WD102F-700-160	119	68	0.005	330	90
70	0.47	200	WD102F-700-200	119	68	0.0052	420	90
70	0.43	220	WD132B-700-220	151	60	0.006	450	100
75	0.34	200	WD132B-750-200	151	60	0.0054	410	105
80	0.28	180	WD132B-800-180	151	60	0.0049	370	115

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