

ATV320 Line Chokes & Motor Chokes

Motor		Altivar Machine ATV320C	Drive Input						Drive Output							
Voltage	Power indicated on rating plate	Reference	KDR LOW-Z 3%	MAX AMPS	Inductance at NEC Motor Current (uH)	KDR HIGH-Z 5%	MAX AMPS	Inductance at NEC Motor Current (uH)	*DVRT FILTER SHOULD BE SELECTED AS CLOSE AS POSSIBLE TO THE FLA CURRENT OF THE MOTOR							
(V)	(HP)								KDR LOW-Z 3%	MAX AMPS	Inductance at NEC Motor Current (uH)	KDR HIGH-Z 5%	MAX AMPS	Inductance at NEC Motor Current (uH)	DVDT	AMPS
Single-phase supply voltage: 200...240 V (1)	0.25	ATV320U02M2C	KDRA53L	4.2	3000	KDRA53H	5	4900	KDRA54L	3	4200	KDRA54H	3	7040	V1K2A00	2
	0.5	ATV320U04M2C	KDRA26L	8	1650	KDRA27H	7.5	2750	KDRA53L	4.2	3000	KDRA53H	5	4900	V1K4A00	4
	0.75	ATV320U06M2C	KDRA26L	8	1650	KDRA26H	10	2310	KDRA53L	4.2	3000	KDRA53H	5	4900	V1K4A00	4
	1	ATV320U07M2C	KDRA27L	10	1350	KDRA26H	10	2310	KDRA25L	5.5	2460	KDRA53H	5	4900	V1K6A00	6
	1.5	ATV320U11M2C	KDRB22L	19	626	KDRB25H	17	1030	KDRA26L	8	1650	KDRA27H	7.5	2750	V1K8A00	8
	2	ATV320U15M2C	KDRB22L	19	626	KDRB26H	26	699	KDRA26L	8	1650	KDRA26H	10	2310	V1K8A00	8
Three-phase supply voltage: 200...240 V	3	ATV320U22M2C	KDRB23L	25	434	KDRB26H	26	699	KDRA28L	12	971	KDRA28H	11	1570	V1K12A00	12
	0.25	ATV320U02M3C	KDRA54L	3	4200	KDRA54H	3	7040	KDRA54L	3	4200	KDRA54H	3	7040	V1K2A00	2
	0.5	ATV320U04M3C	KDRA53L	4.2	3000	KDRA53H	5	4900	KDRA53L	4.2	3000	KDRA53H	5	4900	V1K4A00	4
	0.75	ATV320U06M3C	KDRA25L	5.5	2460	KDRA25H	5	3750	KDRA53L	4.2	3000	KDRA53H	5	4900	V1K4A00	4
	1	ATV320U07M3C	KDRA26L	8	1650	KDRA27H	7.5	2750	KDRA25L	5.5	2400	KDRA53H	5	4900	V1K6A00	6
	1.5	ATV320U11M3C	KDRA27L	10	1350	KDRA26H	10	2310	KDRA26L	8	1650	KDRA27H	7.5	2750	V1K8A00	8
	2	ATV320U15M3C	KDRA28L	12	971	KDRA28H	11	1570	KDRA26L	8	1650	KDRA26H	10	2310	V1K8A00	8
	3	ATV320U22M3C	KDRB22L	19	626	KDRB25H	17	1030	KDRA28L	12	971	KDRA28H	11	1570	V1K12A00	12
	4	ATV320U30M3C	KDRB22L	19	626	KDRB26H	26	699	KDRB22L	19	626	KDRB25H	17	1030	V1K16A00	16
	5	ATV320U40M3C	KDRB23L	25	434	KDRB26H	26	699	KDRB22L	19	626	KDRB26H	26	699	V1K18A00	18
	7.5	ATV320U55M3C	KDRD24L	48	220	KDRD22H	47	375	KDRD25L	34	342	KDRD21H	31	554	V1K35A00	35
	10	ATV320U75M3C	KDRD24L	48	220	KDRD22H	47	375	KDRD25L	34	342	KDRD22H	47	375	V1K35A00	35
	15	ATV320D11M3C	KDRD26L	62	172	KDRF28H	75	266	KDRD26L	62	172	KDRC22H	62	278	V1K55A00	55
Three-phase supply voltage: 380...500 V	20	ATV320D15M3C	KDRC22L	80	138	KDRF25H	92	189	KDRC22L	80	138	KDRF28H	75	226	V1K80A00	80
	0.5	ATV320U04N4C	KDRA8L	2.1	8927	KDRA8H	2.1	14878	KDRA6L	1.5	16300	KDRA7H	1.6	19525	V1K2A00	2
	0.75	ATV320U06N4C	KDRA9L	3	6248	KDRA9H	3	10414	KDRA8L	2.1	8927	KDRA8H	2.1	14878	V1K2A00	2
	1	ATV320U07N4C	KDRA1L	6.4	5790	KDRA1H	4	10300	KDRA9L	3	6248	KDRA9H	3	10414	V1K3A00	3
	1.5	ATV320U11N4C	KDRA1L	6.4	5790	KDRA2H	6	7290	KDRA9L	3	6248	KDRA9H	3	10414	V1K3A00	3
	2	ATV320U15N4C	KDRA1L	6.4	5790	KDRA3H	8	3980	KDRA1L	6.4	5790	KDRA2H	6	7290	V1K6A00	6
	3	ATV320U22N4C	KDRA3L	9.6	2770	KDRA4H	12	3000	KDRA1L	6.4	5790	KDRA2H	6	7290	V1K6A00	6
Three-phase supply voltage: 525...600 V	4	ATV320U30N4C	KDRA4L	14	1680	KDRA4H	12	300	KDRA3L	9.6	2770	KDRA3H	8	3980	V1K8A00	8
	5	ATV320U40N4C	KDRA4L	14	1680	KDRA5H	14	2232	KDRA3L	9.6	2770	KDRA4H	12	3000	V1K12A00	12
	1	ATV320U07S6C	KDRA55L	1.5	30300	KDRA55H	1.5	51900	KDRA56L	2.1	21200	KDRA52H	2.1	37100	V1K2A00	2
	2	ATV320U15S6C	KDRA51L	2.8	10200	KDRA51H	2.8	20600	KDRA51L	2.8	10200	KDRA51H	2.8	20600	V1K3A00	3
	3	ATV320U22S6C	KDRA52L	5	6740	KDRA44H	5	12000	KDRA52L	5	6740	KDRA44H	5	12000	V1K4A00	4
	5	ATV320U40S6C	KDRA47L	7	4510	KDRA45H	7.5	7580	KDRA47L	7	4510	KDRA45H	7.5	7580	V1K8A00	8
	7.5	ATV320U55S6C	KDRA48L	10.4	3100	KDRB42H	10	5370	KDRA48L	10.4	3100	KDRB42H	10	5370	V1K12A00	12
	10	ATV320U75S6C	KDRB45L	19.5	1590	KDRB44H	18.5	2630	KDRA49L	11	2470	KDRB43H	11	4340	V1K12A00	12
	15	ATV320D11S6C	KDRB45L	19.5	1590	KDRB44H	18.5	2630	KDRB45L	19.5	1590	KDRB44H	18.5	2630	V1K18A00	18
	20	ATV320D15S6C	KDRB44L	24	1280	KDRD41H	23	2070	KDRB44L	24	1280	KDRD41H	23	2070	V1K25A00	25

(1) suggested reactor for input is 3 phase, customer connection on the two external coils for 1 phase applications.

ATV320 Line Chokes & Motor Chokes

Motor		Altivar Machine ATV320B	Drive Input						Drive Output							
Voltage (V)	Power indicated on rating plate (1)	Reference (1)	KDR LOW-Z 3%	MAX AMPS	Inductance at NEC Motor Current (uH)	KDR HIGH-Z 5%	MAX AMPS	Inductance at NEC Motor Current (uH)	*DVRT FILTER SHOULD BE SELECTED AS CLOSE AS POSSIBLE TO THE FLA CURRENT OF THE MOTOR							
	(HP)								KDR LOW-Z 3%	MAX AMPS	Inductance at NEC Motor Current (uH)	KDR HIGH-Z 5%	MAX AMPS	Inductance at NEC Motor Current (uH)	DVDT	AMPS
Single-phase supply volt- age: 200...240 V (1)	0.25	ATV320U02M2B	KDRA53L	4.2	3000	KDRA53H	5	4900	KDRA54L	3	4200	KDRA54H	3	7040	V1K2A00	2
	0.5	ATV320U04M2B	KDRA26L	8	1650	KDRA27H	7.5	2750	KDRA53L	4.2	3000	KDRA53H	5	4900	V1K4A00	4
	0.75	ATV320U06M2B	KDRA26L	8	1650	KDRA26H	10	2310	KDRA53L	4.2	3000	KDRA53H	5	4900	V1K4A00	4
	1	ATV320U07M2B	KDRA28L	12	971	KDRA28H	11	1570	KDRA25L	5.5	2460	KDRA53H	5	4900	V1K6A00	6
	1.5	ATV320U11M2B	KDRB22L	19	626	KDRB25H	17	1030	KDRA26L	8	1650	KDRA27H	7.5	2750	V1K8A00	8
	2	ATV320U15M2B	KDRB22L	19	626	KDRB26H	26	699	KDRA26L	8	1650	KDRA26H	10	2310	V1K8A00	8
	3	ATV320U22M2B	KDRB23L	25	434	KDRB26H	26	699	KDRA28L	12	971	KDRA28H	11	1570	V1K12A00	12
Three-phase supply voltage: 380...500 V	0.5	ATV320U04N4B	KDRA8L	2.1	8927	KDRA8H	2.1	14878	KDRA6L	1.5	16300	KDRA6H	1.5	28400	V1K2A00	2
	0.75	ATV320U06N4B	KDRA9L	3	6248	KDRA9H	3	10414	KDRA8L	2.1	8927	KDRA8H	2.1	14878	V1K2A00	2
	1	ATV320U07N4B	KDRA1L	6.4	5790	KDRA1H	4	10300	KDRA9L	3	6248	KDRA9H	3	10414	V1K3A00	3
	1.5	ATV320U11N4B	KDRA1L	6.4	5790	KDRA2H	6	7290	KDRA9L	3	6248	KDRA9H	3	10414	V1K3A00	3
	2	ATV320U15N4B	KDRA3L	9.6	2770	KDRA3H	8	3980	KDRA1L	6.4	5790	KDRA2H	6	7290	V1K6A00	6
	3	ATV320U22N4B	KDRA3L	9.6	2770	KDRA4H	12	3000	KDRA2L	6	4270	KDRA2H	6	7290	V1K6A00	6
	4	ATV320U30N4B	KDRA4L	14	1680	KDRA4H	12	3000	KDRA3L	9.6	2770	KDRA3H	8	3980	V1K8A00	8
	5	ATV320U40N4B	KDRA4L	14	1680	KDRA5H	14	2232	KDRA3L	9.6	2770	KDRA4H	12	3000	V1K12A00	12
	7.5	ATV320U55N4B	KDRB2L	30	912	KDRB2H	27	1690	KDRB2L	30	912	KDRB2H	27	1690	V1K16A00	16
	10	ATV320U75N4B	KDRB2L	30	912	KDRB2H	27	1690	KDRB2L	30	912	KDRB2H	27	1690	V1K18A00	18
	15	ATV320D11N4B	KDRD1L	50	569	KDRE2H	45	850	KDRB2L	30	912	KDRC1H	35	980	V1K35A00	35
	20	ATV320D15N4B	KDRD1L	50	569	KDRF4H	60	581	KDRD1L	50	569	KDRC1H	35	980	V1K35A00	35

(1) suggested reactor for input is 3 phase, customer connection on the two external coils for 1 phase applications.

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