

MERSEN DRIVE FUSE SELECTION TABLE

SQUARE-D ALTIVAR 11 SERIES

Part # 100 to 120V 1-Phase input, 3-phase output	kW / HP	Input Line Current @ 100V (A)	Main Fuse
ATV11HU05F1U	0.18 / 0.25	6	HSJ10
ATV11HU09F1U	0.37 / 0.5	9	HSJ15
ATV11PU09F1U	0.37 / 0.5	9	HSJ15
ATV11HU18F1U	0.75 / 1	18	HSJ25

Part # 200 to 240V 1-Phase input, 3-phase output	kW / HP	Input Line Current @ 208V (A)	Main Fuse
ATV11HU05M2U	0.18 / 0.25	3.3	HSJ6
ATV11HU09M2U	0.37 / 0.5	6	HSJ10
ATV11PU09M2U	0.37 / 0.5	6	HSJ10
ATV11HU18M2U	0.75 / 1	9.9	HSJ15
ATV11PU18M2U	0.75 / 1	9.9	HSJ15
ATV11PU29M2U	1.5 / 2	17.1	HSJ25
ATV11HU41M2U	2.2 / 3	24.1	HSJ30

Part # 200 to 230V 3-Phase input, 3-phase output	kW / HP	Input Line Current @ 208V (A)	Main Fuse
ATV11HU05M3U	0.18 / 0.25	1.8	HSJ3
ATV11HU09M3U	0.37 / 0.5	3.6	HSJ6
ATV11PU09M3U	0.37 / 0.5	3.6	HSJ6
ATV11HU18M3U	0.75 / 1	6.3	HSJ10
ATV11PU18M3U	0.75 / 1	6.3	HSJ10
ATV11HU29M3U	1.5 / 2	11	HSJ15
ATV11HU41M3U	2.2 / 3	15.2	HSJ20

Mersen HSJ fuses are intended to provide both branch circuit and drive protection. Fuse selection must be in accordance with drive manufacturers' recommendations and conform to applicable national and local electrical codes. Recommended fuse ratings were selected for the maximum HP specified for the drive by the manufacturer, based on the most currently available information at the time. Fuses shown will minimize the amount of energy passed by the fuse under short circuit conditions, however, in some cases, component damage may result. Recommended HSJ fuse sizes for non-bypass mode applications only.

MERSEN DRIVE FUSE SELECTION TABLE

SQUARE-D ALTIVAR 18 SERIES

200 to 240V Single Phase Input, Three-Phase Output				
Drive Controller Catalog Number	kW / HP	Input Line Current Single Phase		Main Fuse
		(A) at 200V	(A) at 240V	
ATV18U09M2	0.37 / 0.5	4.4	3.9	HSJ6
ATV18U18M2	0.75 / 1	7.6	6.8	HSJ10
ATV18U29M2	1.5 / 2	13.9	12.4	HSJ20
ATV18U41M2	2.2 / 3	19.4	17.4	HSJ25

200 to 230V, Three Phase Input, Three-Phase Output				
Drive Controller Catalog Number	kW / HP	Input Line Current Single Phase		Main Fuse
		(A) at 200V	(A) at 230V	
ATV18U54M2	3 / —	16.2	14.9	HSJ25
ATV18U72M2	4 / 5	20.4	18.8	HSJ30
ATV18U90M2	5.5 / 7.5	28.7	26.5	HSJ40
ATV18D12M2	7.5 / 10	38.4	35.3	HSJ40

380 to 460V, Three Phase Input, Three-Phase Output				
Drive Controller Catalog Number	kW / HP	Input Line Current Single Phase		Main Fuse
		(A) at 380V	(A) at 460V	
ATV18U18N4	0.75 / 1	2.9	2.7	HSJ6
ATV18U29N4	1.5 / 2	5.1	4.8	HSJ10
ATV18U41N4	2.2 / 3	6.8	6.3	HSJ15
ATV18U54N4	3 / —	9.8	8.4	HSJ15
ATV18U72N4	4 / 5	12.5	10.9	HSJ20
ATV18U90N4	5.5 / 7.5	16.9	15.3	HSJ25
ATV18D12N4	7.5 / 10	21.5	19.4	HSJ40
ATV18D16N4	11 / 15	31.8	28.7	HSJ40
ATV18D23N4	15 / 20	42.9	39.6	HSJ60

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MERSEN DRIVE FUSE SELECTION TABLE

SQUARE-D ALTIVAR 28 SERIES 208V TO 460V

Single-Phase Supply Voltage: 208/240V -15%, +10%, 50/60Hz				
Catalog Number	kW / HP	Input Line Current Single Phase		Main Fuse
		(A) at 200V	(A) at 240V	
ATV28HU09M2U	0.37 / 0.5	6.9	6.4	HSJ10
ATV28HU18M2U	0.75 / 1	9.3	8.6	HSJ15
ATV28HU29M2U	1.5 / 2	15.5	14.3	HSJ20
ATV28HU41M2U	2.2 / 3	21.3	19.8	HSJ30

Three Phase Supply Voltage: 208/230V -15%, +10%, 50/60Hz				
Catalog Number	kW / HP	Input Line Current Single Phase		Main Fuse
		(A) at 200V	(A) at 230V	
ATV28HU54M2U	3 / 4	16.8	15.4	HSJ25
ATV28HU72M2U	4 / 5	21.1	19.1	HSJ30
ATV28HU90M2U	5.5 / 7.5	36.3	33.2	HSJ50
ATV28HD12M2U	7.5 / 10	42	36.6	HSJ60

Three Phase Supply Voltage: 400/460V -15%, +10%, 50/60Hz				
Catalog Number	kW / HP	Input Line Current Single Phase		Main Fuse
		(A) at 400V	(A) at 460V	
ATV28HU18N4U	0.75 / 1	3.6	3.2	HSJ6
ATV28HU29N4U	1.5 / 2	6.1	5.4	HSJ10
ATV28HU41N4U	2.2 / 3	8	7	HSJ10
ATV28HU54N4U	3 / -	9.8	8.6	HSJ15
ATV28HU72N4U	4 / 5	12.5	10.7	HSJ15
ATV28HU90N4U	5.5 / 7.5	21.5	18.6	HSJ30
ATV28HD12N4U	7.5 / 10	24.7	21.1	HSJ35
ATV28HD16N4U	11.0 / 15	37.5	32.8	HSJ50
ATV28HD23N4U	15 / 20	42.4	35.8	HSJ60

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MERSEN DRIVE FUSE SELECTION TABLE

SQUARE-D ALTIVAR 28 SERIES 575V

Three Phase Supply Voltage: 575V -15%, +15%, 50/60Hz				
Catalog Number	kW / HP	Input Line Current with 3% Line Reactor (600V Max)	Operation Type	Main Fuse*
ATV28HU18S6XU	.75 / 1	1.5	Standard	HSJ3
			Type 1****	AJT2****
ATV28HU29S6XU	1.5 / 2	2.4	Standard	HSJ3
			Type 1****	AJT3****
ATV28HU41S6XU	2.2 / 3	3.4	Standard	HSJ6
			Type 1****	AJT5****
ATV28HU72S6XU	4 / 5	5.7	Standard	HSJ10
			Type 1****	AJT8****
ATV28HU90S6XU	.5 / 7.5	8	Standard	HSJ10
			Type 1****	AJT10****
ATV28HD12S6XU	7.5 / 10	10.2	Standard	HSJ15
			Type 1****	AJT15****
ATV28HD16S6XU	11 / 15	15.3	Standard	HSJ20
			Type 1****	AJT20****
ATV28HD23S6XU	15 / 20	19.6	Standard	HSJ25
			Type 1****	AJT25****

* Fuse Selection for 600V Maximum Input Voltage

**** Do Not Substitute. Manufacturer Specific Requirement for Type 1 Operation.
Refer to Altivar 28 User Guide for details.

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MERSEN DRIVE FUSE SELECTION TABLE

SQUARE-D ALTIVAR 31 SERIES 200V TO 240V

Part # For 200 to 240V Single Phase Input	kW / HP	Max. Input Line Current, I (A)		Main Fuse
		At 208V	At 240V	
ATV31H018M2	0.18 / 0.25	3	2.5	HSJ6
ATV31H037M2	0.37 / 0.5	5.3	4.4	HSJ10
ATV31H055M2	0.55 / 0.75	6.8	5.8	HSJ10
ATV31H075M2	0.75 / 1	8.9	7.5	HSJ15
ATV31HU11M2	1.1 / 1.5	12.1	10.2	HSJ20
ATV31HU15M2	1.5 / 2	15.8	13.3	HSJ20
ATV31HU22M2	2.2 / 3	21.9	18.4	HSJ30

Part # For 200 to 240V Three Phase Input	kW / HP	Max. Input Line Current, I (A)		Main Fuse
		At 208V	At 240V	
ATV31H018M3X	0.18 / 0.25	2.1	1.9	HSJ3
ATV31H037M3X	0.37 / 0.5	3.8	3.3	HSJ6
ATV31H055M3X	0.55 / 0.75	4.9	4.2	HSJ10
ATV31H075M3X	0.75 / 1	6.4	5.6	HSJ10
ATV31HU11M3X	1.1 / 1.5	8.5	7.4	HSJ15
ATV31HU15M3X	1.5 / 2	11.1	9.6	HSJ15
ATV31HU22M3X	2.2 / 3	14.9	13.3	HSJ20
ATV31HU30M3X	3.0 / 4.0	19.1	16.6	HSJ25
ATV31HU40M3X	4.0 / 5.0	24.2	21.1	HSJ35
ATV31HU55M3X	5.5 / 7.5	36.8	32	HSJ50
ATV31HU75M3X	7.5 / 10	46.8	40.9	HSJ60
ATV31HD11M3X	11.0 / 15	63.5	55.6	HSJ80
ATV31HD15M3X	15 / 20	82.1	71.9	HSJ110

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MERSEN DRIVE FUSE SELECTION TABLE

SQUARE-D ALTIVAR 31 SERIES 380V TO 600V

Part # for 380 to 500V Three Phase Input	kW / HP	Max. Input Line Current, I (A)		Main Fuse
		At 400V	At 460V	
ATV31H037N4	0.37 / 0.5	2.2	1.7	HSJ3
ATV31H055N4	0.55 / 0.75	2.8	2.2	HSJ6
ATV31H075N4	0.75 / 1	3.6	2.7	HSJ6
ATV31HU11N4	1.1 / 1.5	4.9	3.7	HSJ10
ATV31HU15N4	1.5 / 2	6.4	4.8	HSJ10
ATV31HU22N4	2.2 / 3	8.9	6.7	HSJ15
ATV31HU30N4	3 / 3	10.9	8.3	HSJ15
ATV31HU40N4	4 / 5.0	13.9	10.6	HSJ20
ATV31HU55N4	5.5 / 7.5	21.9	16.5	HSJ30
ATV31HU75N4	7.5 / 10	27.7	21	HSJ35
ATV31HD11N4	11.0 / 15	37.2	28.4	HSJ50
ATV31HD15N4	15 / 20	48.2	36.8	HSJ70
ATV31HU22M2	2.2 / 3	21.9	18.4	HSJ30

Part # For 525 to 600V Three Phase Input	kW / HP	Max. Input Line Current, I (A)		Main Fuse
		At 525V	At 600V	
ATV31H075S6X	0.75 / 1	2.8	2.4	HSJ6
ATV31HU15S6X	1.5 / 2	4.8	4.2	HSJ6
ATV31HU22S6X	2.2 / 3	6.4	5.6	HSJ10
ATV31HU40S6X	4 / 5.0	10.7	9.3	HSJ15
ATV31HU55S6X	5.5 / 7.5	16.2	14.1	HSJ20
ATV31HU75S6X	7.5 / 10	21.3	18.5	HSJ25
ATV31HD11S6X	11.0 / 15	27.8	24.4	HSJ35
ATV31HD15S6X	15 / 20	36.4	31.8	HSJ45

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MERSEN DRIVE FUSE SELECTION TABLE

SQUARE-D ALTIVAR 38 SERIES

Part # for 380 to 500V Three Phase Input	kW / HP	Max. Input Line Current, I (A) At 400V	Main Fuse
ATV38HU18N4	0.75	3.1	HSJ6
ATV38HU29N4	1.5	5.4	HSJ15
ATV38HU41N4	2.2	7.3	HSJ15
ATV38HU54N4	3	10	HSJ15
ATV38HU72N4	4	12.3	HSJ17-1/2
ATV38HU90N4	5.5	16.3	HSJ25
ATV38HD12N4	7.5	24.3	HSJ35
ATV38HD16N4	11	33.5	HSJ45
ATV38HD23N4	15	43.2	HSJ60
ATV38HD25N4(X)	18.5	42	HSJ60
ATV38HD28N4(X)	22	49	HSJ70
ATV38HD33N4(X)	30	65	HSJ90
ATV38HD46N4(X)	37	79	HSJ100
ATV38HD54N4(X)	45	95	HSJ125
ATV38HD64N4(X)	55	118	HSJ150
ATV38HD79N4(X)	75	158	HSJ200
ATV38HC10N4X	90	156	HSJ200
ATV38HC13N4X	110	191	HSJ250
ATV38HC15N4X	132	229	HSJ300
ATV38HC19N4X	160	279	HSJ350
ATV38HC23N4X	200	347	HSJ500
ATV38HC25N4X	220	384	HSJ500
ATV38HC28N4X	250	433	HSJ600
ATV38HC31N4X	280	485	HSJ600
ATV38HC33N4X	315	536	A4BY700

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