

Mersen Drive Fuse Selection Table

Square-D ALTIVAR 18 Series

Drive Controller Catalog Number	kW / HP	200 to 240V Single Phase Input, Three-Phase Output		Main Fuse
		Input Line Current Single Phase (A) at 200V	Input Line Current Single Phase (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

Drive Controller Catalog Number	kW / HP	200 to 230V, Three Phase Input, Three-Phase Output		Main Fuse
		Input Line Current Single Phase (A) at 200V	Input Line Current Single Phase (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

Drive Controller Catalog Number	kW / HP	380 to 460V, Three Phase Input, Three-Phase Output		Main Fuse
		Input Line Current Single Phase (A) at 380V	Input Line Current Single Phase (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

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.