# 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 (A) at 200V | (A) at 240V | Main Fuse |
| 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 (A) at 200V | (A) at 230V | Main Fuse |
| 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 (A) at 380V | (A) at 460V | Main Fuse |
| 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.