

## Short-Circuit Current Ratings (SCCR) and Branch Circuit Protection

The combinations in the table below have been tested per UL61800-5-1 (Reference UL file E116875). These ratings allow proper coordination of short circuit protection. All the ratings of the product have a 100 kA interrupt rating at the output as per UL61800-5-1 testing.

Altivar Machine ATV320 drives are provided with integral overload and over-speed monitoring after activation of the function [Mot THR memo] ▶ E H and can provide motor overload protection at 100% of the full load motor current. The motor thermal protection current [Mot. therm. current] ▶ E H must be set to the rated current indicated on the motor nameplate.

For more information refer to the ATV320 programming manual (<https://www.se.com/ww/en/download/document/NVE41295/>).

The opening of the branch circuit protective device may be an indication that a fault current has been interrupted.

**⚠ ⚠ DANGER****HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH**

- Current-carrying parts and other components of the controller should be examined and replaced if damaged.
- If burnout of the current element of an overload relay occurs, the complete overload relay must be replaced.

**Failure to follow these instructions will result in death or serious injury.**

Use 75°C (167°F) copper conductor with the AWG wire size shown on nameplate for all sizes.

Suitable for use on a circuit capable of delivering not more than \_\_X\_\_ rms symmetrical kiloamperes, \_\_Y\_\_ Volts maximum, when protected by \_\_Z1\_\_ with a maximum rating of \_\_Z2\_\_.

| Altivar 320 Short Circuit Current Ratings <sup>1, 2</sup><br>With Enclosure, Without Line Reactor |               |              |                                |                                                         |             | Minimum<br>Enclosure<br>Volume |                 | With Circuit Breaker |                   | With GV-P          |                 |                                           |                 | Fuses |   | Line Reactor<br>Min. Value <sup>10</sup> |  |
|---------------------------------------------------------------------------------------------------|---------------|--------------|--------------------------------|---------------------------------------------------------|-------------|--------------------------------|-----------------|----------------------|-------------------|--------------------|-----------------|-------------------------------------------|-----------------|-------|---|------------------------------------------|--|
| Input<br>Voltage<br>50/60 Hz<br>(Y)                                                               | Power Ratings |              | Catalog<br>Number <sup>8</sup> | PowerPact <sup>3</sup><br>Catalog<br>Number<br>(Z1, Z2) | SCCR<br>(X) |                                |                 | GV-P (Z1, Z2)        |                   |                    | SCCR<br>(X)     | 600 V<br>Class J <sup>6</sup><br>(Z1, Z2) | SCCR<br>(X)     |       |   |                                          |  |
|                                                                                                   | kW            | HP           |                                |                                                         |             |                                |                 | Type E <sup>4</sup>  | Voltage<br>Rating | Power <sup>7</sup> |                 |                                           |                 |       |   |                                          |  |
|                                                                                                   |               |              |                                | L                                                       | in3         |                                | kA              | –                    | V                 | HP                 | kA              | A                                         | kA              | mH    | A |                                          |  |
| 240 Vac<br>Single-<br>phase                                                                       | 0.18          | 1/4          | ATV320U02M2•                   | 53                                                      | 3223        | H•L36015                       | 5 <sup>12</sup> | GV2P08               | 240               | 1/3                | 5 <sup>12</sup> | 7                                         | 5 <sup>12</sup> | –     | – |                                          |  |
|                                                                                                   | 0.37          | 1/2          | ATV320U04M2•                   | 53                                                      | 3223        | H•L36015                       | 5 <sup>12</sup> | GV2P10               | 240               | 1/2                | 5 <sup>12</sup> | 15                                        | 5 <sup>12</sup> | –     | – |                                          |  |
|                                                                                                   | 0.55          | 3/4          | ATV320U06M2•                   | 53                                                      | 3223        | H•L36015                       | 5 <sup>12</sup> | GV2P14               | 240               | 1 1/2              | 5 <sup>12</sup> | 25                                        | 5 <sup>12</sup> | –     | – |                                          |  |
|                                                                                                   | 0.75          | 1            | ATV320U07M2•                   | 53                                                      | 3223        | H•L36015                       | 5 <sup>12</sup> | GV2P16               | 240               | 2                  | 5 <sup>12</sup> | 25                                        | 5 <sup>12</sup> | –     | – |                                          |  |
|                                                                                                   | 1.1           | 1 1/2        | ATV320U11M2•                   | 53                                                      | 3223        | H•L36020                       | 5 <sup>12</sup> | GV2P16               | 240               | 2                  | 5 <sup>12</sup> | 25                                        | 5 <sup>12</sup> | –     | – |                                          |  |
|                                                                                                   | 1.5           | 2            | ATV320U15M2•                   | 53                                                      | 3223        | H•L36030                       | 5 <sup>12</sup> | GV2P20               | 240               | 3                  | 5 <sup>12</sup> | 40                                        | 5 <sup>12</sup> | –     | – |                                          |  |
|                                                                                                   | 2.2           | 3            | ATV320U22M2•                   | 53                                                      | 3223        | H•L36035                       | 5 <sup>12</sup> | GV3P32               | 240               | 3                  | 5 <sup>12</sup> | 45                                        | 5 <sup>12</sup> | –     | – |                                          |  |
|                                                                                                   | 4             | 5            | ATV320U75M3C                   | 53                                                      | 3223        | H•L36050                       | 5 <sup>12</sup> | GV3P40               | 240               | 5                  | 5 <sup>12</sup> | 70                                        | 5 <sup>12</sup> | –     | – |                                          |  |
|                                                                                                   | 5.5           | 7.5          | ATV320D11M3C                   | 53                                                      | 3223        | H•L36070                       | 5               | GV3P50               | 240               | 7.5                | 5               | 100                                       | 5 <sup>12</sup> | –     | – |                                          |  |
| 7.5                                                                                               | 10            | ATV320D15M3C | 53                             | 3223                                                    | H•L36090    | 5                              | GV3P65          | 240                  | 10                | 5                  | 100             | 5 <sup>12</sup>                           | –               | –     |   |                                          |  |
| 240 Vac<br>Three-<br>phase                                                                        | 0.18          | 1/4          | ATV320U02M3C                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P08               | 240               | 3/4                | 5               | 5                                         | 5               | –     | – |                                          |  |
|                                                                                                   | 0.37          | 1/2          | ATV320U04M3C                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P08               | 240               | 3/4                | 5               | 7                                         | 5               | –     | – |                                          |  |
|                                                                                                   | 0.55          | 3/4          | ATV320U06M3C                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P10               | 240               | 1 1/2              | 5               | 15                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 0.75          | 1            | ATV320U07M3C                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P10               | 240               | 1 1/2              | 5               | 15                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 1.1           | 1 1/2        | ATV320U11M3C                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P14               | 240               | 3                  | 5               | 25                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 1.5           | 2            | ATV320U15M3C                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P14               | 240               | 3                  | 5               | 25                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 2.2           | 3            | ATV320U22M3C                   | 53                                                      | 3223        | H•L36020                       | 5               | GV2P16               | 240               | 3                  | 5               | 25                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 3             | 3            | ATV320U30M3C                   | 53                                                      | 3223        | H•L36020                       | 5               | GV2P20               | 240               | 5                  | 5               | 45                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 4             | 5            | ATV320U40M3C                   | 53                                                      | 3223        | H•L36030                       | 5               | GV2P21               | 240               | 7.5                | 5               | 45                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 5.5           | 7.5          | ATV320U55M3C                   | 53                                                      | 3223        | H•L36040                       | 22              | GV3P40               | 240               | 10                 | 22              | 60                                        | 22              | –     | – |                                          |  |
|                                                                                                   | 7.5           | 10           | ATV320U75M3C                   | 53                                                      | 3223        | H•L36050                       | 22              | GV3P50               | 240               | 15                 | 22              | 70                                        | 22              | –     | – |                                          |  |
|                                                                                                   | 11            | 15           | ATV320D11M3C                   | 53                                                      | 3223        | H•L36070                       | 22              | GV3P65               | 240               | 20                 | 22              | 100                                       | 22              | –     | – |                                          |  |
| 15                                                                                                | 20            | ATV320D15M3C | 53                             | 3223                                                    | H•L36090    | 22                             | GV4PB80S        | 240                  | 20                | 22                 | 100             | 22                                        | –               | –     |   |                                          |  |
| 480 Vac<br>Single-<br>phase                                                                       | 0.37          | 1/2          | ATV320U07N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P08               | 480Y/277          | 2                  | 5               | 6                                         | 5               | –     | – |                                          |  |
|                                                                                                   | 0.55          | 3/4          | ATV320U11N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P08               | 480Y/277          | 2                  | 5               | 12                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 0.75          | 1            | ATV320U15N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P10               | 480Y/277          | 3                  | 5               | 12                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 1.1           | 1 1/2        | ATV320U22N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P14               | 480Y/277          | 5                  | 5               | 15                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 1.5           | 2            | ATV320U30N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P14               | 480Y/277          | 5                  | 5               | 17.5                                      | 5               | –     | – |                                          |  |
|                                                                                                   | 2.2           | 3            | ATV320U40N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV3P13 <sup>5</sup>  | 480Y/277          | 7.5                | 5               | 25                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 3             | 3            | ATV320U55N4•                   | 53                                                      | 3223        | H•L36020                       | 22              | GV3P18 <sup>5</sup>  | 480Y/277          | 10                 | 22              | 40                                        | 22              | –     | – |                                          |  |
|                                                                                                   | 4             | 5            | ATV320U75N4•                   | 53                                                      | 3223        | H•L36030                       | 22              | GV3P25 <sup>5</sup>  | 480Y/277          | 15                 | 22              | 40                                        | 22              | –     | – |                                          |  |
| 5.5                                                                                               | 7.5           | ATV320D11N4• | 53                             | 3223                                                    | H•L36040    | 22                             | GV3P32          | 480Y/277             | 20                | 22                 | 60              | 22                                        | –               | –     |   |                                          |  |
| 7.5                                                                                               | 10            | ATV320D15N4• | 53                             | 3223                                                    | H•L36050    | 22                             | GV3P40          | 480Y/277             | 25                | 22                 | 60              | 22                                        | –               | –     |   |                                          |  |
| 480 Vac<br>Three-<br>phase                                                                        | 0.37          | 1/2          | ATV320U04N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P07               | 480Y/277          | 1                  | 5               | 6                                         | 5               | –     | – |                                          |  |
|                                                                                                   | 0.55          | 3/4          | ATV320U06N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P07               | 480Y/277          | 1                  | 5               | 6                                         | 5               | –     | – |                                          |  |
|                                                                                                   | 0.75          | 1            | ATV320U07N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P08               | 480Y/277          | 2                  | 5               | 6                                         | 5               | –     | – |                                          |  |
|                                                                                                   | 1.1           | 1 1/2        | ATV320U11N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P08               | 480Y/277          | 2                  | 5               | 12                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 1.5           | 2            | ATV320U15N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P10               | 480Y/277          | 3                  | 5               | 12                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 2.2           | 3            | ATV320U22N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P14               | 480Y/277          | 5                  | 5               | 15                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 3             | 3            | ATV320U30N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV2P14               | 480Y/277          | 5                  | 5               | 17.5                                      | 5               | –     | – |                                          |  |
|                                                                                                   | 4             | 5            | ATV320U40N4•                   | 53                                                      | 3223        | H•L36015                       | 5               | GV3P13 <sup>5</sup>  | 480Y/277          | 7.5                | 5               | 25                                        | 5               | –     | – |                                          |  |
|                                                                                                   | 5.5           | 7.5          | ATV320U55N4•                   | 53                                                      | 3223        | H•L36020                       | 22              | GV3P18 <sup>5</sup>  | 480Y/277          | 10                 | 22              | 40                                        | 22              | –     | – |                                          |  |
|                                                                                                   | 7.5           | 10           | ATV320U75N4•                   | 53                                                      | 3223        | H•L36030                       | 22              | GV3P25 <sup>5</sup>  | 480Y/277          | 15                 | 22              | 40                                        | 22              | –     | – |                                          |  |
|                                                                                                   | 11            | 15           | ATV320D11N4•                   | 53                                                      | 3223        | H•L36040                       | 22              | GV3P32               | 480Y/277          | 20                 | 22              | 60                                        | 22              | –     | – |                                          |  |
|                                                                                                   | 15            | 20           | ATV320D15N4•                   | 53                                                      | 3223        | H•L36050                       | 22              | GV3P40               | 480Y/277          | 25                 | 22              | 60                                        | 22              | –     | – |                                          |  |
| 18.5                                                                                              | 25            | ATV320D18N4C | 63                             | 3840                                                    | H•L36060    | 22                             | GV3P50          | 480Y/277             | 30                | 22                 | 70              | 22                                        | –               | –     |   |                                          |  |
| 22                                                                                                | 30            | ATV320D22N4C | 63                             | 3840                                                    | H•L36070    | 22                             | GV3P50          | 480Y/277             | 30                | 22                 | 80              | 22                                        | –               | –     |   |                                          |  |

| Altivar 320 Short Circuit Current Ratings <sup>1, 2</sup><br>With Enclosure, With Line Reactor |               |       |                                | Minimum<br>Enclosure<br>Volume |      | With Circuit Breaker                                    |             | With GV•P           |                   |                    |             | Fuses                                     |             | Line Reactor<br>Min. Value <sup>10</sup> |     |
|------------------------------------------------------------------------------------------------|---------------|-------|--------------------------------|--------------------------------|------|---------------------------------------------------------|-------------|---------------------|-------------------|--------------------|-------------|-------------------------------------------|-------------|------------------------------------------|-----|
| Input<br>Voltage<br>50/60 Hz<br>(Y)                                                            | Power Ratings |       | Catalog<br>Number <sup>8</sup> |                                |      | PowerPact <sup>3</sup><br>Catalog<br>Number<br>(Z1, Z2) | SCCR<br>(X) | GV•P (Z1, Z2)       |                   |                    | SCCR<br>(X) | 600 V<br>Class J <sup>6</sup><br>(Z1, Z2) | SCCR<br>(X) |                                          |     |
|                                                                                                | kW            | HP    |                                |                                |      |                                                         |             | Type E <sup>4</sup> | Voltage<br>Rating | Power <sup>7</sup> |             |                                           |             |                                          |     |
|                                                                                                |               |       |                                | L                              | in3  |                                                         | kA          | –                   | V                 | HP                 | kA          | A                                         | kA          | mH                                       | A   |
| 240 Vac<br>Single-<br>phase                                                                    | 0.18          | 1/4   | ATV320U02M2•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P08              | 240               | 1/3                | 65          | 7                                         | 100         | 2.5                                      | 3   |
|                                                                                                | 0.37          | 1/2   | ATV320U04M2•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P10              | 240               | 1/2                | 65          | 15                                        | 100         | 2.5                                      | 5   |
|                                                                                                | 0.55          | 3/4   | ATV320U06M2•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P14              | 240               | 1 1/2              | 65          | 25                                        | 100         | 2.5                                      | 5   |
|                                                                                                | 0.75          | 1     | ATV320U07M2•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P16              | 240               | 2                  | 65          | 25                                        | 100         | 2.5                                      | 7   |
|                                                                                                | 1.1           | 1 1/2 | ATV320U11M2•                   | 53                             | 3223 | H•L36020                                                | 65          | GV2P16              | 240               | 2                  | 65          | 25                                        | 100         | 1                                        | 10  |
|                                                                                                | 1.5           | 2     | ATV320U15M2•                   | 53                             | 3223 | H•L36030                                                | 65          | GV2P20              | 240               | 3                  | 65          | 40                                        | 100         | 1                                        | 13  |
|                                                                                                | 2.2           | 3     | ATV320U22M2•                   | 53                             | 3223 | H•L36035                                                | 65          | GV3P32              | 240               | 3                  | 65          | 45                                        | 100         | 1                                        | 18  |
|                                                                                                | 4             | 5     | ATV320U75M3C                   | 53                             | 3223 | H•L36050                                                | 65          | GV3P40              | 240               | 5                  | 65          | 70                                        | 100         | 0.4                                      | 35  |
|                                                                                                | 5.5           | 7.5   | ATV320D11M3C                   | 53                             | 3223 | H•L36070                                                | 65          | GV3P50              | 240               | 7.5                | 65          | 100                                       | 100         | 0.3                                      | 47  |
| 240 Vac<br>Three-<br>phase                                                                     | 7.5           | 10    | ATV320D15M3C                   | 53                             | 3223 | H•L36090                                                | 65          | GV3P65              | 240               | 10                 | 65          | 100                                       | 100         | 0.2                                      | 65  |
|                                                                                                | 0.18          | 1/4   | ATV320U02M3C                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P08              | 240               | 3/4                | 65          | 5                                         | 100         | 6.4                                      | 1   |
|                                                                                                | 0.37          | 1/2   | ATV320U04M3C                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P08              | 240               | 3/4                | 65          | 7                                         | 100         | 6.4                                      | 1.6 |
|                                                                                                | 0.55          | 3/4   | ATV320U06M3C                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P10              | 240               | 1 1/2              | 65          | 15                                        | 100         | 6.4                                      | 2.3 |
|                                                                                                | 0.75          | 1     | ATV320U07M3C                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P10              | 240               | 1 1/2              | 65          | 15                                        | 100         | 6.4                                      | 3.1 |
|                                                                                                | 1.1           | 1 1/2 | ATV320U11M3C                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P14              | 240               | 3                  | 65          | 25                                        | 100         | 1.5                                      | 4.4 |
|                                                                                                | 1.5           | 2     | ATV320U15M3C                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P14              | 240               | 3                  | 65          | 25                                        | 100         | 1.5                                      | 6   |
|                                                                                                | 2.2           | 3     | ATV320U22M3C                   | 53                             | 3223 | H•L36020                                                | 65          | GV2P16              | 240               | 3                  | 65          | 25                                        | 100         | 1                                        | 9   |
|                                                                                                | 3             | 3     | ATV320U30M3C                   | 53                             | 3223 | H•L36020                                                | 65          | GV2P20              | 240               | 5                  | 65          | 45                                        | 100         | 0.8                                      | 12  |
| 480 Vac<br>Single-<br>phase                                                                    | 4             | 5     | ATV320U40M3C                   | 53                             | 3223 | H•L36030                                                | 65          | GV2P21              | 240               | 7.5                | 65          | 45                                        | 100         | 0.8                                      | 15  |
|                                                                                                | 5.5           | 7.5   | ATV320U55M3C                   | 53                             | 3223 | H•L36040                                                | 65          | GV3P40              | 240               | 10                 | 65          | 60                                        | 100         | 0.5                                      | 21  |
|                                                                                                | 7.5           | 10    | ATV320U75M3C                   | 53                             | 3223 | H•L36050                                                | 65          | GV3P50              | 240               | 15                 | 65          | 70                                        | 100         | 0.4                                      | 28  |
|                                                                                                | 11            | 15    | ATV320D11M3C                   | 53                             | 3223 | H•L36070                                                | 65          | GV3P65              | 240               | 20                 | 65          | 100                                       | 100         | 0.3                                      | 41  |
|                                                                                                | 15            | 20    | ATV320D15M3C                   | 53                             | 3223 | H•L36090                                                | 65          | GV4PB80S            | 240               | 20                 | 65          | 100                                       | 100         | 0.2                                      | 55  |
|                                                                                                | 0.37          | 1/2   | ATV320U07N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P08              | 480Y/277          | 2                  | 65          | 6                                         | 100         | 12                                       | 2   |
|                                                                                                | 0.55          | 3/4   | ATV320U11N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P08              | 480Y/277          | 2                  | 65          | 12                                        | 100         | 6.8                                      | 2.9 |
|                                                                                                | 0.75          | 1     | ATV320U15N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P10              | 480Y/277          | 3                  | 65          | 12                                        | 100         | 6.8                                      | 3.7 |
|                                                                                                | 1.1           | 1 1/2 | ATV320U22N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P14              | 480Y/277          | 5                  | 65          | 15                                        | 100         | 5                                        | 5.4 |
| 480 Vac<br>Three-<br>phase                                                                     | 1.5           | 2     | ATV320U30N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P14              | 480Y/277          | 5                  | 65          | 17.5                                      | 100         | 3                                        | 7.4 |
|                                                                                                | 2.2           | 3     | ATV320U40N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV3P13 <sup>5</sup> | 480Y/277          | 7.5                | 65          | 25                                        | 100         | 3                                        | 10  |
|                                                                                                | 3             | 3     | ATV320U55N4•                   | 53                             | 3223 | H•L36020                                                | 65          | GV3P18 <sup>5</sup> | 480Y/277          | 10                 | 65          | 40                                        | 100         | 2.5                                      | 14  |
|                                                                                                | 4             | 5     | ATV320U75N4•                   | 53                             | 3223 | H•L36030                                                | 65          | GV3P25 <sup>5</sup> | 480Y/277          | 15                 | 65          | 40                                        | 100         | 1.5                                      | 18  |
|                                                                                                | 5.5           | 7.5   | ATV320D11N4•                   | 53                             | 3223 | H•L36040                                                | 65          | GV3P32              | 480Y/277          | 20                 | 65          | 60                                        | 100         | 1.2                                      | 25  |
|                                                                                                | 7.5           | 10    | ATV320D15N4•                   | 53                             | 3223 | H•L36050                                                | 65          | GV3P40              | 480Y/277          | 25                 | 65          | 60                                        | 100         | 0.8                                      | 34  |
|                                                                                                | 0.37          | 1/2   | ATV320U04N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P07              | 480Y/277          | 1                  | 65          | 6                                         | 100         | 12                                       | 1   |
|                                                                                                | 0.55          | 3/4   | ATV320U06N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P07              | 480Y/277          | 1                  | 65          | 6                                         | 100         | 12                                       | 1.3 |
|                                                                                                | 0.75          | 1     | ATV320U07N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P08              | 480Y/277          | 2                  | 65          | 6                                         | 100         | 12                                       | 1.7 |
| 480 Vac<br>Three-<br>phase                                                                     | 1.1           | 1 1/2 | ATV320U11N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P08              | 480Y/277          | 2                  | 65          | 12                                        | 100         | 6.8                                      | 2.4 |
|                                                                                                | 1.5           | 2     | ATV320U15N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P10              | 480Y/277          | 3                  | 65          | 12                                        | 100         | 6.8                                      | 3.2 |
|                                                                                                | 2.2           | 3     | ATV320U22N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P14              | 480Y/277          | 5                  | 65          | 15                                        | 100         | 5                                        | 4.7 |
|                                                                                                | 3             | 3     | ATV320U30N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV2P14              | 480Y/277          | 5                  | 65          | 17.5                                      | 100         | 3                                        | 6.2 |
|                                                                                                | 4             | 5     | ATV320U40N4•                   | 53                             | 3223 | H•L36015                                                | 65          | GV3P13 <sup>5</sup> | 480Y/277          | 7.5                | 65          | 25                                        | 100         | 3                                        | 8   |
|                                                                                                | 5.5           | 7.5   | ATV320U55N4•                   | 53                             | 3223 | H•L36020                                                | 65          | GV3P18 <sup>5</sup> | 480Y/277          | 10                 | 65          | 40                                        | 100         | 2.5                                      | 11  |
|                                                                                                | 7.5           | 10    | ATV320U75N4•                   | 53                             | 3223 | H•L36030                                                | 65          | GV3P25 <sup>5</sup> | 480Y/277          | 15                 | 65          | 40                                        | 100         | 1.5                                      | 15  |
|                                                                                                | 11            | 15    | ATV320D11N4•                   | 53                             | 3223 | H•L36040                                                | 65          | GV3P32              | 480Y/277          | 20                 | 65          | 60                                        | 100         | 1.2                                      | 22  |
|                                                                                                | 15            | 20    | ATV320D15N4•                   | 53                             | 3223 | H•L36050                                                | 65          | GV3P40              | 480Y/277          | 25                 | 65          | 60                                        | 100         | 0.8                                      | 29  |
| 600 Vac<br>Three-<br>phase                                                                     | 18.5          | 25    | ATV320D18N4C                   | 63                             | 3840 | H•L36060                                                | 65          | GV3P50              | 480Y/277          | 30                 | 65          | 70                                        | 100         | 0.7                                      | 36  |
|                                                                                                | 22            | 30    | ATV320D22N4C                   | 63                             | 3840 | H•L36070                                                | 65          | GV3P50              | 480Y/277          | 30                 | 65          | 80                                        | 100         | 0.7                                      | 42  |
|                                                                                                | 0.37          | 1/2   | ATV320U04N4C                   | 30.2                           | 1844 | H•L36015                                                | 65          | GV2P07              | 480Y/277          | 1                  | 65          | 6                                         | 65          | 12                                       | 1   |
|                                                                                                | 0.55          | 3/4   | ATV320U06N4C                   | 30.2                           | 1844 | H•L36015                                                | 65          | GV2P07              | 480Y/277          | 1                  | 65          | 6                                         | 65          | 12                                       | 1.3 |
|                                                                                                | 0.75          | 1     | ATV320U07N4C                   | 30.2                           | 1844 | H•L36015                                                | 65          | GV2P08              | 480Y/277          | 2                  | 65          | 6                                         | 65          | 12                                       | 1.7 |
|                                                                                                | 1.1           | 1 1/2 | ATV320U11N4C                   | 30.2                           | 1844 | H•L36015                                                | 65          | GV2P08              | 480Y/277          | 2                  | 65          | 12                                        | 65          | 6.8                                      | 2.4 |
|                                                                                                | 1.5           | 2     | ATV320U15N4C                   | 30.2                           | 1844 | H•L36015                                                | 65          | GV2P10              | 480Y/277          | 3                  | 65          | 12                                        | 65          | 6.8                                      | 3.2 |
|                                                                                                | 2.2           | 3     | ATV320U22N4C                   | 30.2                           | 1844 | H•L36015                                                | 65          | GV2P14              | 480Y/277          | 5                  | 65          | 15                                        | 65          | 5                                        | 4.7 |
|                                                                                                | 3             | 3     | ATV320U30N4C                   | 30.2                           | 1844 | H•L36015                                                | 65          | GV2P14              | 480Y/277          | 5                  | 65          | 17.5                                      | 65          | 3                                        | 6.2 |
| 600 Vac<br>Three-<br>phase                                                                     | 4             | 5     | ATV320U40N4C                   | 30.2                           | 1844 | H•L36015                                                | 65          | GV3P13 <sup>5</sup> | 480Y/277          | 7.5                | 65          | 25                                        | 65          | 3                                        | 8   |
|                                                                                                | 5.5           | 7.5   | ATV320U55N4C                   | 30.2                           | 1844 | H•L36020                                                | 65          | GV3P18 <sup>5</sup> | 480Y/277          | 10                 | 65          | 40                                        | 65          | 2.5                                      | 11  |
|                                                                                                | 7.5           | 10    | ATV320U75N4C                   | 30.2                           | 1844 | H•L36030                                                | 65          | GV3P25 <sup>5</sup> | 480Y/277          | 15                 | 65          | 40                                        | 65          | 1.5                                      | 15  |
|                                                                                                | 0.75          | 1     | ATV320U07S6C                   | 53                             | 3223 | H•L36015                                                | 22          | GV3P13              | 600Y/347          | 10                 | 22          | 6                                         | 22          | 9                                        | 1.4 |
|                                                                                                | 1.5           | 2     | ATV320U15S6C                   | 53                             | 3223 | H•L36015                                                | 22          | GV3P13              | 600Y/347          | 10                 | 22          | 6                                         | 22          | 9                                        | 2.4 |
|                                                                                                | 2.2           | 3     | ATV320U22S6C                   | 53                             | 3223 | H•L36015                                                | 22          | GV3P13              | 600Y/347          | 10                 | 22          | 10                                        | 22          | 5                                        | 3.3 |
|                                                                                                | 4             | 5     | ATV320U40S6C                   | 53                             | 3223 | H•L36015                                                | 22          | GV3P13              | 600Y/347          | 10                 | 22          | 15                                        | 22          | 5                                        | 6   |
| 600 Vac<br>Three-<br>phase                                                                     | 5.5           | 7.5   | ATV320U55S6C                   | 53                             | 3223 | H•L36025                                                | 22          | GV3P13              | 600Y/347          | 10                 | 22          | 20                                        | 22          | 2.5                                      | 8   |
|                                                                                                | 7.5           | 10    | ATV320U75S6C                   | 53                             | 3223 | H•L36030                                                | 22          | GV3P13              | 600Y/347          | 10                 | 22          | 25                                        | 22          | 2.5                                      | 11  |
|                                                                                                | 11            | 15    | ATV320D11S6C                   | 53                             | 3223 | H•L36045                                                | 22          | GV3P18              | 600Y/347          | 15                 | 22          | 35                                        | 22          | 1.2                                      | 16  |
|                                                                                                | 15            | 20    | ATV320D15S6C                   | 53                             | 3223 | H•L36060                                                | 22          | GV3P25              | 600Y/347          | 20                 | 22          | 45                                        | 22          | 1.2                                      | 22  |

| Altivar 320 Short Circuit Current Ratings <sup>1</sup><br>UL Type 1 (with optional UL Type 1 conformity kits) |               |       |                             | With GV•P           |                   |                    |             | Fuses                                  |                 | Line Reactor<br>Min. Value <sup>10</sup> |     |
|---------------------------------------------------------------------------------------------------------------|---------------|-------|-----------------------------|---------------------|-------------------|--------------------|-------------|----------------------------------------|-----------------|------------------------------------------|-----|
| Input Voltage<br>50/60 Hz (Y)                                                                                 | Power Ratings |       | Catalog Number <sup>8</sup> | GV•P (Z1, Z2)       |                   |                    | SCCR<br>(X) | 600 V Class J <sup>6</sup><br>(Z1, Z2) | SCCR<br>(X)     |                                          |     |
|                                                                                                               |               |       |                             | Type E <sup>4</sup> | Voltage<br>Rating | Power <sup>7</sup> |             |                                        |                 |                                          |     |
|                                                                                                               | kW            | HP    |                             | —                   | V                 | HP                 | kA          | A                                      | kA              | mH                                       | A   |
| 240 Vac<br>Single-phase                                                                                       | 0.18          | 1/4   | ATV320U02M2C                | —                   | —                 | —                  | —           | 7                                      | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 0.37          | 1/2   | ATV320U04M2C                | —                   | —                 | —                  | —           | 15                                     | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 0.55          | 3/4   | ATV320U06M2C                | —                   | —                 | —                  | —           | 25                                     | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 0.75          | 1     | ATV320U07M2C                | —                   | —                 | —                  | —           | 25                                     | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 1.1           | 1 1/2 | ATV320U11M2C                | —                   | —                 | —                  | —           | 25                                     | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 1.5           | 2     | ATV320U15M2C                | —                   | —                 | —                  | —           | 40                                     | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 2.2           | 3     | ATV320U22M2C                | —                   | —                 | —                  | —           | 45                                     | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 4             | 5     | ATV320U75M3C                | —                   | —                 | —                  | —           | 70                                     | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 5.5           | 7.5   | ATV320D11M3C                | —                   | —                 | —                  | —           | 100                                    | 5 <sup>12</sup> | —                                        | —   |
|                                                                                                               | 7.5           | 10    | ATV320D15M3C                | —                   | —                 | —                  | —           | 100                                    | 5 <sup>12</sup> | —                                        | —   |
| 240 Vac<br>Three-phase                                                                                        | 0.18          | 1/4   | ATV320U02M3C                | —                   | —                 | —                  | —           | 5                                      | 5               | —                                        | —   |
|                                                                                                               | 0.37          | 1/2   | ATV320U04M3C                | —                   | —                 | —                  | —           | 7                                      | 5               | —                                        | —   |
|                                                                                                               | 0.55          | 3/4   | ATV320U06M3C                | —                   | —                 | —                  | —           | 15                                     | 5               | —                                        | —   |
|                                                                                                               | 0.75          | 1     | ATV320U07M3C                | —                   | —                 | —                  | —           | 15                                     | 5               | —                                        | —   |
|                                                                                                               | 1.1           | 1 1/2 | ATV320U11M3C                | —                   | —                 | —                  | —           | 25                                     | 5               | —                                        | —   |
|                                                                                                               | 1.5           | 2     | ATV320U15M3C                | —                   | —                 | —                  | —           | 25                                     | 5               | —                                        | —   |
|                                                                                                               | 2.2           | 3     | ATV320U22M3C                | —                   | —                 | —                  | —           | 25                                     | 5               | —                                        | —   |
|                                                                                                               | 3             | 3     | ATV320U30M3C                | —                   | —                 | —                  | —           | 45                                     | 5               | —                                        | —   |
|                                                                                                               | 4             | 5     | ATV320U40M3C                | —                   | —                 | —                  | —           | 45                                     | 5               | —                                        | —   |
|                                                                                                               | 5.5           | 7.5   | ATV320U55M3C                | —                   | —                 | —                  | —           | 60                                     | 5               | —                                        | —   |
|                                                                                                               | 7.5           | 10    | ATV320U75M3C                | —                   | —                 | —                  | —           | 70                                     | 5               | —                                        | —   |
|                                                                                                               | 11            | 15    | ATV320D11M3C                | —                   | —                 | —                  | —           | 100                                    | 5               | —                                        | —   |
|                                                                                                               | 15            | 20    | ATV320D15M3C                | —                   | —                 | —                  | —           | 100                                    | 5               | —                                        | —   |
| 480 Vac<br>Single-phase                                                                                       | 0.37          | 1/2   | ATV320U07N4C                | —                   | —                 | —                  | —           | 6                                      | 5               | —                                        | —   |
|                                                                                                               | 0.55          | 3/4   | ATV320U11N4C                | —                   | —                 | —                  | —           | 12                                     | 5               | —                                        | —   |
|                                                                                                               | 0.75          | 1     | ATV320U15N4C                | —                   | —                 | —                  | —           | 12                                     | 5               | —                                        | —   |
|                                                                                                               | 1.1           | 1 1/2 | ATV320U22N4C                | —                   | —                 | —                  | —           | 15                                     | 5               | —                                        | —   |
|                                                                                                               | 1.5           | 2     | ATV320U30N4C                | —                   | —                 | —                  | —           | 17.5                                   | 5               | —                                        | —   |
|                                                                                                               | 2.2           | 3     | ATV320U40N4C                | —                   | —                 | —                  | —           | 25                                     | 5               | —                                        | —   |
|                                                                                                               | 3             | 3     | ATV320U55N4•                | —                   | —                 | —                  | —           | 40                                     | 5               | —                                        | —   |
|                                                                                                               | 4             | 5     | ATV320U75N4•                | —                   | —                 | —                  | —           | 40                                     | 5               | —                                        | —   |
|                                                                                                               | 5.5           | 7.5   | ATV320D11N4•                | —                   | —                 | —                  | —           | 60                                     | 22              | —                                        | —   |
|                                                                                                               | 7.5           | 10    | ATV320D15N4•                | —                   | —                 | —                  | —           | 60                                     | 22              | —                                        | —   |
| 480 Vac<br>Three-phase                                                                                        | 0.37          | 1/2   | ATV320U04N4C                | —                   | —                 | —                  | —           | 6                                      | 5               | —                                        | —   |
|                                                                                                               | 0.55          | 3/4   | ATV320U06N4C                | —                   | —                 | —                  | —           | 6                                      | 5               | —                                        | —   |
|                                                                                                               | 0.75          | 1     | ATV320U07N4C                | —                   | —                 | —                  | —           | 6                                      | 5               | —                                        | —   |
|                                                                                                               | 1.1           | 1 1/2 | ATV320U11N4C                | —                   | —                 | —                  | —           | 12                                     | 5               | —                                        | —   |
|                                                                                                               | 1.5           | 2     | ATV320U15N4C                | —                   | —                 | —                  | —           | 12                                     | 5               | —                                        | —   |
|                                                                                                               | 2.2           | 3     | ATV320U22N4C                | —                   | —                 | —                  | —           | 15                                     | 5               | —                                        | —   |
|                                                                                                               | 3             | 3     | ATV320U30N4C                | —                   | —                 | —                  | —           | 17.5                                   | 5               | —                                        | —   |
|                                                                                                               | 4             | 5     | ATV320U40N4C                | —                   | —                 | —                  | —           | 25                                     | 5               | —                                        | —   |
|                                                                                                               | 5.5           | 7.5   | ATV320U55N4•                | —                   | —                 | —                  | —           | 40                                     | 5               | —                                        | —   |
|                                                                                                               | 7.5           | 10    | ATV320U75N4•                | —                   | —                 | —                  | —           | 40                                     | 5               | —                                        | —   |
|                                                                                                               | 11            | 15    | ATV320D11N4•                | —                   | —                 | —                  | —           | 60                                     | 22              | —                                        | —   |
|                                                                                                               | 15            | 20    | ATV320D15N4•                | —                   | —                 | —                  | —           | 60                                     | 22              | —                                        | —   |
|                                                                                                               | 18.5          | 25    | ATV320D18N4C                | —                   | —                 | —                  | —           | 70                                     | 5               | —                                        | —   |
|                                                                                                               | 22            | 30    | ATV320D22N4C                | —                   | —                 | —                  | —           | 80                                     | 5               | —                                        | —   |
|                                                                                                               | 0.37          | 1/2   | ATV320U04N4C                | GV2P07              | 480Y/277          | 1                  | 65          | 6                                      | 65              | 12                                       | 1   |
|                                                                                                               | 0.55          | 3/4   | ATV320U06N4C                | GV2P07              | 480Y/277          | 1                  | 65          | 6                                      | 65              | 12                                       | 1.3 |
|                                                                                                               | 0.75          | 1     | ATV320U07N4C                | GV2P08              | 480Y/277          | 2                  | 65          | 6                                      | 65              | 12                                       | 1.7 |
|                                                                                                               | 1.1           | 1 1/2 | ATV320U11N4C                | GV2P08              | 480Y/277          | 2                  | 65          | 12                                     | 65              | 6.8                                      | 2.4 |
|                                                                                                               | 1.5           | 2     | ATV320U15N4C                | GV2P10              | 480Y/277          | 3                  | 65          | 12                                     | 65              | 6.8                                      | 3.2 |
|                                                                                                               | 2.2           | 3     | ATV320U22N4C                | GV2P14              | 480Y/277          | 5                  | 65          | 15                                     | 65              | 5                                        | 4.7 |
|                                                                                                               | 3             | 3     | ATV320U30N4C                | GV2P14              | 480Y/277          | 5                  | 65          | 17.5                                   | 65              | 3                                        | 6.2 |
|                                                                                                               | 4             | 5     | ATV320U40N4C                | GV3P13 <sup>5</sup> | 480Y/277          | 7.5                | 65          | 25                                     | 65              | 3                                        | 8   |
| 600 Vac<br>Three-phase                                                                                        | 0.75          | 1     | ATV320U07S6C                | —                   | —                 | —                  | —           | 6                                      | 5               | 9                                        | 1.4 |
|                                                                                                               | 1.5           | 2     | ATV320U15S6C                | —                   | —                 | —                  | —           | 6                                      | 5               | 9                                        | 2.4 |
|                                                                                                               | 2.2           | 3     | ATV320U22S6C                | —                   | —                 | —                  | —           | 10                                     | 5               | 5                                        | 3.3 |
|                                                                                                               | 4             | 5     | ATV320U40S6C                | —                   | —                 | —                  | —           | 15                                     | 5               | 5                                        | 6   |
|                                                                                                               | 5.5           | 7.5   | ATV320U55S6C                | —                   | —                 | —                  | —           | 20                                     | 5               | 2.5                                      | 8   |
|                                                                                                               | 7.5           | 10    | ATV320U75S6C                | —                   | —                 | —                  | —           | 25                                     | 5               | 2.5                                      | 11  |
|                                                                                                               | 11            | 15    | ATV320D11S6C                | —                   | —                 | —                  | —           | 35                                     | 5               | 1.2                                      | 16  |
|                                                                                                               | 15            | 20    | ATV320D15S6C                | —                   | —                 | —                  | —           | 45                                     | 5               | 1.2                                      | 22  |

| Altivar 320 Short Circuit Current Ratings <sup>1</sup><br>UL Type 12 |               |       |                             | With Circuit Breaker                           |                      |                   |                                      |     | With GV•P           |                |                    | Fuses    |                                     |          |
|----------------------------------------------------------------------|---------------|-------|-----------------------------|------------------------------------------------|----------------------|-------------------|--------------------------------------|-----|---------------------|----------------|--------------------|----------|-------------------------------------|----------|
| Input Voltage<br>50/60 Hz<br>(Y)                                     | Power Ratings |       | Catalog Number <sup>8</sup> | PowerPact <sup>3</sup> Catalog Number (Z1, Z2) | Without Line reactor | With Line reactor |                                      |     | GV•P (Z1, Z2)       |                |                    | SCCR (X) | 600 V Class J <sup>6</sup> (Z1, Z2) | SCCR (X) |
|                                                                      |               |       |                             |                                                | SCCR (X)             | SCCR (X)          | Line Reactor Min Value <sup>10</sup> |     | Type E <sup>4</sup> | Voltage Rating | Power <sup>7</sup> |          |                                     |          |
|                                                                      | kW            | HP    |                             |                                                | kA                   | kA                | mH                                   | A   |                     | V              | HP                 | kA       | A                                   | kA       |
| 240 Vac Single-phase                                                 | 0.18          | 1/4   | ATV320U02M2W(S)             | H•L36015                                       | 22                   | 65                | 2.5                                  | 3   | GV2P08              | 240            | 1/3                | 65       | 7 <sup>11</sup>                     | 100      |
|                                                                      | 0.37          | 1/2   | ATV320U04M2W(S)             | H•L36015                                       | 22                   | 65                | 2.5                                  | 5   | GV2P10              | 240            | 1/2                | 65       | 15 <sup>11</sup>                    | 100      |
|                                                                      | 0.55          | 3/4   | ATV320U06M2W(S)             | H•L36015                                       | 22                   | 65                | 2.5                                  | 5   | GV2P14              | 240            | 1 1/2              | 65       | 25 <sup>11</sup>                    | 100      |
|                                                                      | 0.75          | 1     | ATV320U07M2W(S)             | H•L36015                                       | 22                   | 65                | 2.5                                  | 7   | GV2P16              | 240            | 2                  | 65       | 25 <sup>11</sup>                    | 100      |
|                                                                      | 1.1           | 1 1/2 | ATV320U11M2W(S)             | H•L36020                                       | 22                   | 65                | 1                                    | 10  | GV2P16              | 240            | 2                  | 65       | 25 <sup>11</sup>                    | 100      |
|                                                                      | 1.5           | 2     | ATV320U15M2W(S)             | H•L36030                                       | 22                   | 65                | 1                                    | 13  | GV2P20              | 240            | 3                  | 65       | 40                                  | 100      |
|                                                                      | 2.2           | 3     | ATV320U22M2W(S)             | H•L36035                                       | 22                   | 65                | 1                                    | 18  | GV3P32              | 240            | 3                  | 65       | 45                                  | 100      |
| 480 Vac Three-phase                                                  | 0.37          | 1/2   | ATV320U04N4W(S)             | H•L36015                                       | 22                   | 65                | 12                                   | 1   | GV2P07              | 480Y/277       | 1                  | 65       | 6 <sup>11</sup>                     | 100      |
|                                                                      | 0.55          | 3/4   | ATV320U06N4W(S)             | H•L36015                                       | 22                   | 65                | 12                                   | 1.3 | GV2P07              | 480Y/277       | 1                  | 65       | 6 <sup>11</sup>                     | 100      |
|                                                                      | 0.75          | 1     | ATV320U07N4W(S)             | H•L36015                                       | 22                   | 65                | 12                                   | 1.7 | GV2P08              | 480Y/277       | 2                  | 65       | 6 <sup>11</sup>                     | 100      |
|                                                                      | 1.1           | 1 1/2 | ATV320U11N4W(S)             | H•L36015                                       | 22                   | 65                | 6.8                                  | 2.4 | GV2P08              | 480Y/277       | 2                  | 65       | 12 <sup>11</sup>                    | 100      |
|                                                                      | 1.5           | 2     | ATV320U15N4W(S)             | H•L36015                                       | 22                   | 65                | 6.8                                  | 3.2 | GV2P10              | 480Y/277       | 3                  | 65       | 12 <sup>11</sup>                    | 100      |
|                                                                      | 2.2           | 3     | ATV320U22N4W(S)             | H•L36015                                       | 22                   | 65                | 5                                    | 4.7 | GV2P14              | 480Y/277       | 5                  | 65       | 15 <sup>11</sup>                    | 100      |
|                                                                      | 3             | 4     | ATV320U30N4W(S)             | H•L36015                                       | 22                   | 65                | 3                                    | 6.2 | GV2P14              | 480Y/277       | 5                  | 65       | 17.5 <sup>11</sup>                  | 100      |
|                                                                      | 4             | 5     | ATV320U40N4W(S)             | H•L36015                                       | 22                   | 65                | 3                                    | 8   | GV3P13 <sup>5</sup> | 480Y/277       | 7.5                | 65       | 25 <sup>11</sup>                    | 100      |
|                                                                      | 5.5           | 7.5   | ATV320U55N4W(S)             | H•L36020                                       | 22                   | 65                | 2.5                                  | 11  | GV3P18 <sup>5</sup> | 480Y/277       | 10                 | 65       | 40                                  | 100      |
|                                                                      | 7.5           | 10    | ATV320U75N4W(S)             | H•L36030                                       | 22                   | 65                | 1.5                                  | 15  | GV3P25 <sup>5</sup> | 480Y/277       | 15                 | 65       | 40                                  | 100      |

- The amp rating of the short circuit protection devices in the table are maximum values. Smaller amp sizes may be used. Branch circuit protection must be provided in accordance with the National Electrical Code and any additional local codes.
- Ratings apply to an Altivar 320 drive mounted in a Type 1, 3R, 4(X) or 12 rated enclosure. Minimum enclosure volume allows for specified SCCR. Thermal requirements may require a larger enclosure.
- Circuit breaker part number designations: • = short circuit current rating.  
For 240 V range, use • = D for 25 kA, G for 65 kA, J for 65 kA, L for 65 kA, R for 65 kA.  
For 480 V range, use • = D for 18 kA, G for 35 kA, J for 65 kA, L for 65 kA, R for 65 kA.  
For 600 V range, use • = D for 14 kA, G for 18 kA, J for 22 kA, L for 22 kA, R for 22 kA.
- For GV2P/3P use, 480 V and 600 V ratings are for Wye connected electrical distribution systems. GV2P•• self protected manual combination starter must be used with GV2GH7 insulating barrier to meet UL 508 Type E rating. GV3P•• self protected manual combination starter must be used with GV3G66 + GVAM11 insulating barrier and auxiliary contact to meet UL 508 Type E rating. The GVAM11 provides a visual indication if the GV3P has tripped.
- GV2P products detailed below can be used in place of the GV3P products for obtaining the ratings listed in the SCCR column for ratings listed lower than 10 kA, or ratings limited to 10 kA for ratings listed higher than 10 kA.  
GV2P16 for GV3P13, GV2P20 for GV3P18, GV2P22 for GV3P25.
- Use Class CC or J fast acting or time delay.
- UL61800-5-1 Par. 6.3.7DV.2.1.1 require publishing the standard Type E combination motor controller power rating since this is a basic identification marking of type E devices.  
However, when applied as an input overcurrent protective device for a drive, the rated current of the Type E combination motor controller, not the rated power, is the key parameter for dimensioning (reference UL61800-5-1Par. 5.2.3.6.2DV.4.1.11 & 5.2.3.6.2DV.4.1.12).  
Schneider Electric GV•P Type E combination motor controllers are adjustable, their current range is shown on the adjustment dial and their selection is based on the input current and not the power rating of the drive.
- Catalog Number designations: • = B for the book form factor drives and C for compact form factor drives.
- Order optional UL Type 1 conformity kits separately.
- Reactor from Altivar 320 catalog or MTE series: RLW, do not substitute.
- 30 A class J fuse can be used in place of fuse rating listed.
- Despite a 5 kA SCCR, the thermal design is for 1 kA as indicated in the catalog. For an operating at 5 kA, do not exceed 45 °C (113 °F) ambient temperature at nominal load, or reduce slightly the load not to operate over the input current given in the catalog.

**Note:**

- Integral solid state short circuit protection in the drive does not provide branch circuit protection. Branch circuit protection must be provided in accordance with the National Electrical Code and any local codes.
- The Altivar 320 drive has a 100 kA interrupt rating on the output of the drive. In addition to providing a rating based on shorting the output of the drive, these short circuit current ratings have been obtained by shorting components internal to the Altivar 320. These ratings allow proper coordination of short circuit protection



The Short-Circuit Current Ratings (SCCR) and Branch Circuit Protection combinations have been tested per IEC61800-5-1 and are in the Altivar Process installation manual. For more information refer to the Altivar Machine ATV320 installation manual (<https://www.se.com/ww/en/download/document/NVE41289/>).



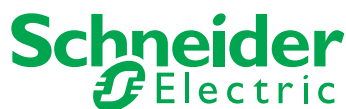
## MANUFACTURER

**Schneider Electric Industries SAS**  
35 rue Joseph Monier  
Rueil Malmaison 92500  
France



## UK REPRESENTATIVE

**Schneider Electric Limited**  
Stafford Park 5  
Telford, TF3 3BL  
United Kingdom



Преобразователь частоты серии Altivar

Основные параметры и характеристики указаны на маркировке изделия.

Наименование страны, где изготовлено изделие, указано на упаковке.

Преобразователь частоты предназначен для управления асинхронными и синхронными электродвигателями с постоянными магнитами (может отличаться для разных типов преобразователей частоты).

Безопасность применения оборудования обеспечивается его эксплуатацией в установленных изготовителем условиях квалифицированным персоналом.

Правила и условия монтажа, хранения, перевозки (транспортирования), реализации и утилизации согласно инструкции по эксплуатации, размещенной на сайте изготовителя.

Отключите силовое питание от преобразователя частоты в случае возникновения не сбрасываемой неисправности и дождитесь погасания экрана графического терминала.

Найдите причину неисправности и устраните ее.

Подключите питание: это приведет к сбросу блокировки преобразователя частоты по ошибке, если причина возникновения устранена.

В некоторых случаях может произойти автоматический повторный запуск в работу после исчезновения неисправности и сброса ошибки, если эта функция была запрограммирована.

Уполномоченный поставщик в Республике Казахстан:

ООО «Шнейдер Электрик»

Адрес: 050010, РК, г. Алматы, пр. Достык, 38,  
Бизнес Центр «Кен Дала», 5 этаж, левое крыло.

Тел.: +7 (727) 339 23 57

Номер службы поддержки клиентов:

Тел.: +7 (727) 339 24 52

Дата изготовления указана на упаковке (под текстом "Made in"):

PPYYWW, где PP – код завода, YY – год изготовления,  
WW – номер недели изготовления.

Altivar сериясының жиілік түрлендіргіші

Негізгі параметрлер мен сипаттамалар өнімнің жапсырмасында көрсетілген.

Өнім шығарылған мемлекеттің атауы қаптамада көрсетілген.

Жиілік түрлендіргіші тұрақты магниттері бар асинхронды және синхронды электр қозғалтқыштарын басқаруға арналған (жиілік түрлендіргіштерінің әр түрлі типтері үшін әр түрлі болуы мүмкін).

Жабдықты пайдалану қауіпсіздігі оның өндіруші белгілеген жағдайларда білікті маманның жұмыс жасауымен қамтамасыз етіледі.

Өндірушінің веб-сайтында пайдалану жөніндегі нұсқаулыққа сәйкес орнату, сақтау, тасымалдау, сату және жою ережелері мен шарттары көрсетілген.

Қалпына келтіруге болмайтын ақаулық туындаған жағдайда электр желісін реттелетін жиіліктік жетектен ажыратыңыз және графикалық дисплей терминалы сөнгенше күтіңіз.

Мәселенің себебін тауып, оны түзетіңіз.

Қуатты қосыңыз: егер бұл себеп жойылған болса, жиілік түрлендіргішінің құлыпталуын қайта қалпына келтіреді.

Кейбір жағдайларда ақаулық жойылып, құлыпталуы қайта қалпына келтірілгеннен кейін, автоматты түрде қайта іске қосылуы мүмкін, егер бұл функция бағдарламаланған болса.

Қазақстан Республикасында ресми жеткізуші:

ЖШС «Шнейдер Электрик»

Мекен-жайы: Қазақстан Республикасы, Алматы қ., Достық даң. ү. 38,  
«Кен Дала» Бизнес Орталығы, 5-ші қабат.

Тел.: +7 (727) 339 23 57

Клиенттерге қолдау көрсету нөмірі:

Тел.: +7 (727) 339 24 52

Дайындалу күні қаптамада көрсетілген (мәтіннің астында көрсетілген

"Made in"): PPYYWW, мұндағы PP - зауыт коды,  
YY - дайындалу жылы, WW - дайындалу аптасы.

# China RoHS Hazardous Substances Table



The data shown in this spreadsheet are related to the following version of the China RoHS 2.0:  
"Administrative Measures for the Restriction of Hazardous Substances in Electric Appliances and Electronic Products"  
released January 21st 2016.

| 部件名称<br>Part Name                         | 有害物质 - Hazardous Substances |        |        |               |            |              |
|-------------------------------------------|-----------------------------|--------|--------|---------------|------------|--------------|
|                                           | 铅 (Pb)                      | 汞 (Hg) | 镉 (Cd) | 六价铬 (Cr (VI)) | 多溴联苯 (PBB) | 多溴二苯醚 (PBDE) |
| 金属部件<br>Metal Parts                       | X                           | O      | O      | O             | O          | O            |
| 塑料部件<br>Plastic Parts                     | O                           | O      | O      | O             | O          | O            |
| 电子件<br>Electronic                         | X                           | O      | O      | O             | O          | O            |
| 触点<br>Contacts                            | O                           | O      | O      | O             | O          | O            |
| 线缆和线缆附件<br>Cables and cabling accessories | O                           | O      | O      | O             | O          | O            |

本表格依据SJ/T11364的规定编制。  
O: 表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。  
X: 表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572规定的限量要求。

This table is made according to SJ/T 11364.

O: indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is **below** the limit as stipulated in GB/T 26572.

X: indicates that concentration of hazardous substance in at least one of the homogeneous materials used for this part is **above** the limit as stipulated in GB/T 26572