

Altivar Machine ATV320

This document gives the mean time to failure (MTTF) values of Altivar Machine ATV320 variable speed drives.

Altivar Machine ATV320 MTTF values are based on IEC 62380.

These MTTF values are given for an external temperature of 50°C during operation.

The fan is an aging part to replace in maintenance. Hence the fan is not taken into account in these MTTF values.

Altivar 320C/320W:

Commercial references	MTTF values for continuous operation	MTTF values for intermittent operation ⁽¹⁾
ATV320U02M2C/W ATV320U04M2C/W ATV320U06M2C/W ATV320U07M2C/W	145 000h	212 000h
ATV320U11M2C/W ATV320U15M2C/W ATV320U22M2C/W	142 000h	211 000h
ATV320U02M3C ATV320U04M3C ATV320U06M3C ATV320U07M3C	155 000h	227 000h
ATV320U11M3C ATV320U15M3C ATV320U22M3C	145 000h	216 000h
ATV320U30M3C ATV320U40M3C	111 000h	176 000h
ATV320U55M3C ATV320U75M3C	128 000h	185 000h
ATV320D11M3C ATV320D15M3C	118 000h	169 000h
ATV320U04N4C/W ATV320U06N4C/W ATV320U07N4C/W ATV320U11N4C/W ATV320U15N4C/W	151 000h	223 000h
ATV320U22N4C/W ATV320U30N4C/W ATV320U40N4C/W	146 000h	213 000h
ATV320U55N4C/W ATV320U75N4C/W	127 000h	180 000h
ATV320D11N4C ATV320D15N4C	147 000h	225 000h
ATV320U07S6C ATV320U15S6C	152 000h	224 000h
ATV320U22S6C ATV320U40S6C	146 000h	213 000h
ATV320U55S6C ATV320U75S6C	129 000h	185 000h
ATV320D11S6C ATV320D15S6C	141 000h	209 000h

(1) Intermittent operation is 4020 operating hours per year and 335 power on/off per year

Altivar 320B:

Commercial references	MTTF values for continuous operation	MTTF values for intermittent operation ⁽¹⁾
ATV320U02M2B ATV320U04M2B ATV320U06M2B ATV320U07M2B ATV320U11M2B ATV320U15M2B ATV320U22M2B	136 000h	202 000h
ATV320U04N4B ATV320U06N4B ATV320U07N4B ATV320U11N4B ATV320U15N4B ATV320U22N4B ATV320U30N4B ATV320U40N4B	139 000h	203 000h
ATV320U55N4B ATV320U75N4B	123 000h	176 000h
ATV320D11N4B ATV320D15N4B	136 000h	203 000h

(1) Intermittent operation is 4020 operating hours per year and 335 power on/off per year

For a different value of external temperature during operation, the MTTF value is given by the following table :

