

# Altivar 12

**This document gives the mean time to failure (MTTF) values of Altivar 12 variable speed drives.**

Altivar 12 MTTF values are based on IEC 62380.

These MTTF values are given for an external temperature of 30°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.

Commercial references	Fan	MTTF values for intermittent operation <sup>(1)</sup>	MTTF values for continuous operation
ATV12H018F1 ATV12H037F1 ATV12P037F1	No	300 000 hours	200 000 hours
ATV12H075F1	Yes	150 000 hours	100 000 hours
ATV12H018M2 ATV12H037M2 ATV12P037M2 ATV12H055M2 ATV12P055M2 ATV12H075M2 ATV12P075M2	No	300 000 hours	200 000 hours
ATV12HU15M2 ATV12HU22M2	Yes	150 000 hours	100 000 hours
ATV12H018M3 ATV12H037M3 ATV12P037M3 ATV12H075M3 ATV12P075M3	No	300 000 hours	200 000 hours
ATV12HU15M3 ATV12PU15M3 ATV12HU22M3 ATV12PU22M3	Yes	150 000 hours	100 000 hours
ATV12HU30M3 ATV12PU30M3 ATV12HU40M3 ATV12PU40M3	Yes	100 000 hours	75 000 hours

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