

MTTF ATV71 IP20 & IP54 / ATV61 – IP20 & IP54

Rating (kW)	Rating (HP)	MTTF ATV71 IP20 & IP54 - ATV61 IP20	ATV61 IP54
0.75	1	400000	400000
2.2	2	400000	400000
3	3	400000	400000
4	-	400000	400000
5.5	7.5	350000	400000
7.5	10	350000	350000
11	15	350000	350000
15	20	300000	350000
18.5	25	300000	300000
22	30	250000	300000
30	40	250000	250000
37	50	250000	250000
45	60	250000	250000
55	75	250000	250000
75	100	250000	250000
90	125	200000	250000
110	150	200000	200000
132	200	160000	200000
160	250	140000	160000
200	300	140000	140000
220	350	140000	140000
250	400	140000	140000
280	450	140000	140000
315	500	100000	140000
355	-	100000	100000
400	600	100000	100000
500	700	90000	100000

The MTTF take into account the electronic boards and the power components

The fans are not taken into account for the calculation of the MTTF

Model of prediction for the calculation of reliability

IEC 62380 (RDF2003 Recueil de données de fiabilité du CNET) UTE 80 810C

IEC61709 & SN29500, un peu plus pessimiste que la RDF 2003

For an increase in temperature of 10°C, to multiply the MTTF with 30°C by 0.75

MTTF, Mean Time To Failure, in hours, it is the average of the time before failure