

# Altivar Process

This document gives the minimum and maximum ohmic value of braking resistor to be associated with Altivar 930/950 variable speed drives, at 20°C.

240V range Commercial references	Min braking resistor (Ω)	Max braking resistor (Ω)
ATV930U07M3	44	186
ATV930U15M3	33	90
ATV930U22M3	22	60
ATV930U30M3	22	44
ATV930U40M3	16	32
ATV930U55M3	11	23
ATV930U75M3	8	17
ATV930D11M3	5	11,5
ATV930D15M3	5	8,3
ATV930D18M3	5	6,7
ATV930D22M3	5	5,5
ATV930D30M3	2,5	4,1
ATV930D37M3	2,5	3,3
ATV930D45M3	2,5	2,7
ATV930D55M3C <sup>(1)</sup>	1,4	2,2
ATV930D75M3C <sup>(1)</sup>	1,4	1,6

(1) braking function available through optional Braking Unit VW3A7106

480V range Commercial references	Min braking resistor (Ω)	Max braking resistor (Ω)
ATV930U07N4 / ATV950U07N4.	56	728
ATV930U15N4 / ATV950U15N4.	56	352
ATV930U22N4 / ATV950U22N4.	56	236
ATV930U30N4 / ATV950U30N4.	34	172
ATV930U40N4 / ATV950U40N4.	34	127
ATV930U55N4 / ATV950U55N4.	23	91
ATV930U75N4 / ATV950U75N4.	19	66
ATV930D11N4 / ATV950D11N4.	12	44
ATV930D15N4 / ATV950D15N4.	15	32
ATV930D18N4 / ATV950D18N4.	15	26
ATV930D22N4 / ATV950D22N4.	15	21
ATV930D30N4 / ATV950D30N4.	10	16
ATV930D37N4 / ATV950D37N4.	10	13
ATV930D45N4 / ATV950D45N4.	10	10,6
ATV930D55N4 / ATV950D55N4.	2,5	8,7
ATV930D75N4 / ATV950D75N4.	2,5	6,3
ATV930D90N4 / ATV950D90N4.	2,5	5,2
ATV930C11N4C <sup>(2)</sup>	2,5	4,3
ATV930C13N4C <sup>(2)</sup>	2,5	3,5
ATV930C16N4C <sup>(2)</sup>	2,5	2,9
ATV930C22N4	1,4	2,1
ATV930C25N4C <sup>(3)</sup>	1,05	1,9
ATV930C31N4C <sup>(3)</sup>	1,05	1,5

(2) braking function available through optional Braking Unit VW3A7105

(3) braking function available through optional Braking Unit VW3A7101

600V range Commercial references	Min braking resistor ( $\Omega$ )	Max braking resistor ( $\Omega$ )
ATV930U22S6X	28	385
ATV930U40S6X	28	207
ATV930U55S6X	28	149
ATV930U75S6X	28	108
ATV930D11S6X	28	73
ATV930D15S6X	28	53
ATV930D18S6	10	43
ATV930D22S6	10	35
ATV930D30S6	5	26
ATV930D37S6	5	21
ATV930D45S6	5	17
ATV930D55S6	2,5	14
ATV930D75S6	2,5	10

690V range Commercial references	Min braking resistor ( $\Omega$ )	Max braking resistor ( $\Omega$ )
ATV930U22Y6	12	496
ATV930U30Y6	12	362
ATV930U40Y6	12	267
ATV930U55Y6	12	192
ATV930U75Y6	12	139
ATV930D11Y6	12	94
ATV930D15Y6	12	68
ATV930D18Y6	12	55
ATV930D22Y6	12	45
ATV930D30Y6	12	33
ATV930D37Y6	8	27
ATV930D45Y6	8	22
ATV930D55Y6	8	18
ATV930D75Y6	5	13
ATV930D90Y6	5	11