

Variable speed drives

Altivar Machine ATV340

Sercos version

Three-phase supply voltage: 380...480 V 50/60 Hz



ATV340U22N4S



ATV340U75N4S



ATV340D22N4S

Variable speed drives - Sercos version (1)																	
Motor			AC supply				Altivar Machine										
Power indicated on rating plate (2)			Input current (3)		Apparent power	Prospective line Isc	Maximum continuous current (2)	Maximum transient current for 2 s	Maximum transient current for 60 s	Reference (1)	Weight						
			380 V	480 V	480 V												
HD: Heavy duty (5)																	
ND: Normal duty (4)																	
kW		HP	A	A	kVA	kA	A	A	A		kg/lb						
Three-phase supply voltage: 380...480 V 50/60 Hz																	
HD	0.75	1	3.4	2.6	2.2	5	2.2	4	3.3	ATV340U07N4S	1.700/3.748						
ND	1.1	1.5	2.6	2.1	1.7	5	2.8	3.8	3.1								
HD	1.5	2	6	4.9	4.1	5	4	7.2	6	ATV340U15N4S	1.700/3.748						
ND	2.2	3	5.1	4.1	3.4	5	5.6	7.6	6.2								
HD	2.2	3	8.4	6.6	5.5	5	5.6	10.1	8.4	ATV340U22N4S	1.800/3.968						
ND	3	3	6.6	5.3	4.4	5	7.2	9.7	7.9								
HD	3	3	10.7	8.5	7.1	5	7.2	13	10.8	ATV340U30N4S	2.100/4.630						
ND	4	5	8.6	6.8	5.7	5	9.3	12.6	10.2								
HD	4	5	13.4	10.6	8.8	5	9.3	16.7	14	ATV340U40N4S	2.200/4.850						
ND	5.5	7	11.4	9	7.5	5	12.7	17.1	14								
HD	5.5	7	20	16	13.3	22	12.7	22.9	19.1	ATV340U55N4S	2.900/6.393						
ND	7.5	10	15.3	12.2	10.1	22	16.5	22.3	18.2								
HD	7.5	10	25.6	20.4	17	22	16.5	29.7	24.8	ATV340U75N4S	3.000/6.614						
ND	11	15	22	17.7	14.7	22	24	32.4	26.4								
HD	11	15	34.7	27.7	23	22	24	43	36	ATV340D11N4S	9.500/20.944						
ND	15	20	28.8	23	19.1	22	32	43	35.2								
HD	15	20	44.9	35.7	29.7	22	32	58	48	ATV340D15N4S	9.500/20.944						
ND	18.5	25	37.4	30.2	25.1	22	39	53	42.9								
HD	18.5	25	54.7	43.4	36.1	22	39	70	59	ATV340D18N4S	10.200/22.487						
ND	22	30	43.4	35	29.1	22	46	62	50.6								
HD	22	30	63.5	50.6	42.1	22	46	83	69	ATV340D22N4S	10.200/22.487						
ND	30	40	60.1	48.6	40.4	22	62	84	68.2								

(1) Altivar Machine ATV340U07...D22N4S drives integrate a category C3 EMC filter with 20 m/66 ft shielded motor cable.

(2) These values are given for a nominal switching frequency of 4 kHz for use in continuous operation. The switching frequency is adjustable. Above 4 kHz, the drive will automatically reduce the switching frequency in the event of an excessive temperature rise. For continuous operation above the nominal switching frequency, derate the nominal drive current (see derating curves on our website www.schneider-electric.com).

(3) Typical value for the indicated motor power and for the prospective line Isc.

(4) For ATV340U07...D22N4S values given for applications requiring slight overload (up to 135% for 2 s and 110% for 60 s).

(5) For ATV340U07...D22N4S values given for applications requiring significant overload (up to 180% for 2 s and 150% for 60 s).

Note: Drives are shown with optional plain text display, which can be ordered separately as an add-on.

Consult the summary tables of possible drive, option, and accessory combinations (see [page 30](#)).

Ambient temperature range:

■ For normal duty operation mode:

□ ATV340U07...D22N4S -15...40 °C/5...104 °F without derating (up to 60 °C/140 °F with derating)

■ For heavy duty operation mode:

□ ATV340U07...D22N4S -15...50 °C/5...122 °F without derating (up to 60 °C/140 °F with derating)

For more details regarding the thermal capacity of references, please visit www.schneider-electric.com

■ Transportation and storage temperature range for ATV340U07...D75N4S -40...70 °C/-40...158 °F in dry and dust-free environment.