

Variable speed drives

Altivar Process ATV600

Drive products for integration

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



380...480 V (-15...10%) 50/60 Hz drive products for cabinet integration

Motor		Line supply				Altivar Process			
Power indicated on rating plate (1)		Line current (2)		Apparent power	Maximum prospective line Isc	Max. continuous current (1)	Max. transient current for 60 s	Reference (5)	Weight
		380 V	480 V	380 V					
ND:	Normal duty (3)								
HD:	Heavy duty (4)								
	kW HP	A	A	kVA	kA	A	A		kg/lb
With category C2 or C3 integrated EMC filter									
IP20 drives									
ND	0.75 1	1.5	1.3	1.1	50	2.2	2.4	ATV630U07N4Z	3.700/8.157
HD	0.37 0.5	0.9	0.8	0.7	50	1.5	2.3		
ND	1.5 2	3	2.6	2.2	50	4	4.4	ATV630U15N4Z	3.700/8.157
HD	0.75 1	1.7	1.5	1.2	50	2.2	3.3		
ND	2.2 3	4.3	3.8	3.2	50	5.6	6.2	ATV630U22N4Z	3.700/8.157
HD	1.5 2	3.1	2.9	2.4	50	4	6		
ND	3 –	5.8	5.1	4.2	50	7.2	7.9	ATV630U30N4Z	3.800/8.377
HD	2.2 3	4.5	4	3.3	50	5.6	8.4		
ND	4 5	7.6	6.7	5.6	50	9.3	10.2	ATV630U40N4Z	3.800/8.377
HD	3 –	6	5.4	4.5	50	7.2	10.8		
ND	5.5 7.5	10.4	9.1	7.6	50	12.7	14	ATV630U55N4Z	3.900/8.598
HD	4 5	8	7.2	6.0	50	9.3	14		
ND	7.5 10	13.8	11.9	9.9	50	16.5	18.2	ATV630U75N4Z	6.900/15.211
HD	5.5 7.5	10.5	9.2	7.6	50	12.7	19.1		
ND	11 15	19.8	17	14.1	50	23.5	25.9	ATV630D11N4Z	6.900/15.211
HD	7.5 10	14.1	12.5	10.4	50	16.5	24.8		
ND	15 20	27	23.3	19.4	50	31.7	34.9	ATV630D15N4Z	13.000/28.660
HD	11 15	20.6	18.1	15.0	50	23.5	35.3		
ND	18.5 25	33.4	28.9	24	50	39.2	43.1	ATV630D18N4Z	13.600/29.982
HD	15 20	27.7	24.4	20.3	50	31.7	47.6		
ND	22 30	39.6	34.4	28.6	50	46.3	50.9	ATV630D22N4Z	13.700/30.203
HD	18.5 25	34.1	29.9	24.9	50	39.2	58.8		

(1) These values are given for use in continuous operation with a nominal switching frequency of 4 kHz (ATV630U07N4Z...D45N4Z).

The switching frequency is adjustable from 2...12 kHz (ATV630U07N4Z...D45N4Z).

Above the nominal switching frequency, the drive will automatically reduce the switching frequency in the event of an excessive temperature rise.

For continuous operation above the nominal switching frequency, nominal drive current should be derated according to the derating curves in the [Installation Manual](#).

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

(3) Values given for applications requiring a slight overload (up to 110%).

(4) Values given for applications requiring a significant overload (up to 150%).

(5) For applications requiring Type 12 ready to use, add "U" at the end of the reference (ATV...N4ZU).

Note: Consult the summary tables of possible drive, option, and accessory combinations (see [page 2/18](#)).