

Variable speed drives

Altivar Process ATV600

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

Wall-mounting drives



ATV630D15N4



ATV630D30N4

380...480 V (-15...10%) IP21/UL Type 1 drives

Motor	Line supply				Altivar Process			
	Line current (2)		Apparent power 380 V	Maximum prospective line Isc	Max. continuous current (1)	Max. transient current for 60 s	Reference (5)	Weight
	380 V	480 V						
ND: Normal duty (3)								
HD: Heavy duty (4)								
	kW	HP	A	A	kVA	kA	A	A
								kg/lb
With category C2 integrated EMC filter								
ND	0.75	1	1.5	1.3	1.1	50	2.2	2.4
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
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
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
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
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
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
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
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
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
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
HD	18.5	25	34.1	29.9	24.9	50	39.2	58.8
ND	30	40	53.3	45.9	38.2	50	61.5	67.7
HD	22	30	40.5	35.8	29.8	50	46.3	69.5
ND	37	50	66.2	57.3	47.6	50	74.5	82
HD	30	40	54.8	48.3	40.2	50	61.5	92.3
ND	45	60	79.8	69.1	57.4	50	88	96.8
HD	37	50	67.1	59.0	49.1	50	74.5	111.8

(1) These values are given for use in continuous operation with a nominal switching frequency of 4 kHz (ATV630U07N4...D45N4).

The switching frequency is adjustable from 2...12 kHz (ATV630U07N4...D45N4).

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 ATV630...N4Z cabinet integration products, see pages 3/6 and 3/7 in the cabinet integration section.

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