

Variable speed drives

Altivar Process ATV600

Three-phase supply voltage: 500...690 V 50/60 Hz

Wall-mounting drives



ATV630U22Y6



ATV630D37Y6

500...690 V (-15...10%) IP00 drives (1)												
Motor					Line supply				Altivar Process			
Power indicated on rating plate (2)					Line current (3)		Apparent power	Maximum prospective line Isc	Max. continuous current (2)	Max. transient current for 60 s	Reference	Weight
ND:	Normal duty (4)				500 V	690 V	690 V					
HD:	Heavy duty (5)											
Supply voltage	500 V		690 V									
	kW	HP	kW	HP	A	A	kVA	kA	A	A		kg/lb
With category C3 integrated EMC filter												
ND	1.5	2	2.2	3	3.4	3.6	4.3	70	3.1	3.4	ATV630U22Y6	22.000/48.502
HD	1.1	1.5	1.5	2	2.6	2.6	3.1	70	2.4	3.6		
ND	2.2	3	3	—	4.7	4.8	5.7	70	4.2	4.6	ATV630U30Y6	22.000/48.502
HD	1.5	2	2.2	3	3.4	3.6	4.3	70	3.1	4.7		
ND	3	—	4	5	6.2	6.1	7.3	70	5.4	5.9	ATV630U40Y6	22.000/48.502
HD	2.2	3	3	—	4.7	4.8	5.7	70	4.2	6.3		
ND	4	5	5.5	7.5	7.9	8	9.6	70	7.2	7.9	ATV630U55Y6	22.000/48.502
HD	3	—	4	5	6.2	6.1	7.3	70	5.4	8.1		
ND	5.5	7.5	7.5	10	10.4	10.5	12.5	70	9.5	10.5	ATV630U75Y6	22.000/48.502
HD	4	5	5.5	7.5	7.9	8	9.6	70	7.2	10.8		
ND	7.5	10	11	15	13.6	14.7	17.6	70	13.5	14.9	ATV630D11Y6	22.000/48.502
HD	5.5	7.5	7.5	10	10.4	10.5	12.5	70	9.5	14.3		
ND	11	15	15	20	18.4	19.2	22.9	70	18	19.8	ATV630D15Y6	22.000/48.502
HD	7.5	10	11	15	13.6	14.7	17.6	70	13.5	20.3		
ND	15	20	18.5	25	23.1	23	27.5	70	24	26.4	ATV630D18Y6	22.000/48.502
HD	11	15	15	20	18.4	19.2	22.9	70	18	27.0		
ND	18.5	25	22	30	27.6	26	31.1	70	29	31.9	ATV630D22Y6	22.000/48.502
HD	15	20	18.5	25	23.2	23	27.5	70	24	36.0		
ND	22	30	30	40	32.1	32.8	39.2	70	34	37.4	ATV630D30Y6	22.000/48.502
HD	18.5	25	22	30	27.6	26	31.1	70	29	43.5		
ND	30	40	37	50	47.2	46.2	55.2	70	45	49.5	ATV630D37Y6	53.000/116.845
HD	22	30	30	40	37.7	38.5	46.0	70	34	51.0		
ND	37	50	45	60	55.6	54.4	65.0	70	55	60.5	ATV630D45Y6	53.000/116.845
HD	30	40	37	50	47.2	46.2	55.2	70	45	67.5		
ND	45	60	55	75	65.5	62.5	74.7	70	66	72.6	ATV630D55Y6	53.000/116.845
HD	37	50	45	60	55.6	54.4	65.0	70	55	82.5		
ND	55	75	75	100	82.7	87.7	104.8	70	83	91.3	ATV630D75Y6	53.000/116.845
HD	45	60	55	75	71	68.5	81.9	70	66	99.0		
ND	75	100	90	125	108.3	99.4	118.8	70	108	118.8	ATV630D90Y6	53.000/116.845
HD	55	75	75	100	82.7	87.7	104.8	70	83	124.5		

(1) Product supplied as IP00 for mounting in an enclosure. For IP20/UL Type1 wall mounting, an adaptation kit should be ordered separately (see page 60822/13).

(2) These values are given for use in continuous operation with a nominal switching frequency between 2.5 kHz (ATV630D37Y6...D90Y6) and 4 kHz (ATV630U22Y6...D30Y6). The switching frequency is adjustable from 1...4.9 kHz (ATV630D37Y6...D90Y6) to 2...8 kHz (ATV630U22Y6...D30Y6).

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](#).

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

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

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

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