

Variable speed drives

Altivar Process ATV600

Three-phase supply voltage: 200...240 V 50/60 Hz

Wall-mounting drives

2



ATV630D11M3



ATV630D15M3



ATV630D30M3



ATV630D75M3

200...240 V (-15...10%) IP21/UL Type 1 drives ⁽¹⁾

Motor			Line supply				Altivar Process			
Power indicated on rating plate (2)			Line current (3)		Apparent power	Maximum prospective line Isc	Maximum continuous current (2)	Max. transient current for 60 s	Reference (1)	Weight
			200 V	240 V						
			ND:	Normal duty (4)						
HD:	Heavy duty (5)									
kW	HP		A	A	kVA	kA	A	A		kg/lb
THDi ≤ 44% at 100% load in Normal duty (4)										
ND	0.75	1	3	2.6	1.1	50	4.6	5.1	ATV630U07M3	4.300/9.480
HD	0.37	0.5	1.7	1.5	0.6	50	3.3	5		
ND	1.5	2	5.9	5	2.1	50	8	8.8	ATV630U15M3	4.300/9.480
HD	0.75	1	3.3	3	1.2	50	4.6	6.9		
ND	2.2	3	8.4	7.2	3	50	11.2	12.3	ATV630U22M3	4.500/9.921
HD	1.5	2	6	5.3	2.2	50	8	12		
ND	3	—	11.5	9.9	4.1	50	13.7	15.1	ATV630U30M3	4.500/9.921
HD	2.2	3	8.7	7.6	3.2	50	11.2	16.8		
ND	4	5	15.1	12.9	5.4	50	18.7	20.6	ATV630U40M3	4.600/10.141
HD	3	—	11.7	10.2	4.2	50	13.7	20.6		
ND	5.5	7.5	20.2	17.1	7.1	50	25.4	27.9	ATV630U55M3	7.700/16.976
HD	4	5	15.1	13	5.4	50	18.7	28.1		
ND	7.5	10	27.1	22.8	9.5	50	32.7	36	ATV630U75M3	13.800/30.424
HD	5.5	7.5	20.2	17.1	7.1	50	25.4	38.1		
ND	11	15	39.3	32.9	13.7	50	46.8	51.5	ATV630D11M3	13.800/30.424
HD	7.5	10	27.2	23.1	9.6	50	32.7	49.1		
ND	15	20	52.6	45.5	18.9	50	63.4	69.7	ATV630D15M3	27.300/60.186
HD	11	15	40.1	34.3	14.3	50	46.8	70.2		
ND	18.5	25	66.7	54.5	22.7	50	78.4	86.2	ATV630D18M3	27.300/60.186
HD	15	20	53.1	44.9	18.7	50	63.4	95.1		
ND	22	30	76.0	64.3	26.7	50	92.6	101.9	ATV630D22M3	27.300/60.186
HD	18.5	25	64.8	54.5	22.7	50	78.4	117.6		
ND	30	40	104.7	88.6	36.8	50	123	135.3	ATV630D30M3	56.600/124.781
HD	22	30	78.3	67.1	27.9	50	92.6	138.9		
ND	37	50	128.0	107.8	44.8	50	149	163.9	ATV630D37M3	56.600/124.781
HD	30	40	104.7	88.6	36.8	50	123	184.5		
ND	45	60	155.1	130.4	54.2	50	176	193.6	ATV630D45M3	56.600/124.781
HD	37	50	128.5	108.5	45.1	50	149	223.5		
ND	55	75	189	161	61.1	50	211	232.1	ATV630D55M3 (6)	84.000/185.188
HD	45	60	156	134	50	50	176	264		
ND	75	100	256	215	83.7	50	282	310.2	ATV630D75M3 (6)	84.000/185.188
HD	55	75	189	161	61.1	50	211	316.5		

(1) Altivar Process **ATV630U07M3...D75M3** drives have been designed without an EMC filter. An additional filter can be added to help meet more stringent requirements and reduce electromagnetic emissions.

(2) These values are given for a nominal switching frequency of 4 kHz up to **ATV630D22M3** or 2.5 kHz for **ATV630D30M3...D75M3**, for use in continuous operation.

The switching frequency is adjustable from 2...12 kHz for all ratings.

Above 2.5 or 4 kHz (depending on the rating), 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 the derating curves in the [Installation Manual](#)).

(3) Typical value for the indicated motor power and for the maximum prospective line I_{sc}.

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

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

(6) Product supplied as IP00 for mounting in an enclosure. For IP21 wall mounting, order the IP21/UL Type 1 conformity kit VW3A9704 separately.

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