

Variable speed drives

Altivar Process ATV600

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

Wall-mounting drives

2



ATV630D55N4



ATV630C25N4

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

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 C3 integrated EMC filter										
ND	55	75	97.2	84.2	70	50	106	116.6	ATV630D55N4	56.500/124.561
HD	45	60	81.4	71.8	59.7	50	88	132		
ND	75	100	131.3	112.7	93.7	50	145	159.5	ATV630D75N4	58.000/127.868
HD	55	75	98.9	86.9	72.2	50	106	159		
ND	90	125	156.2	135.8	112.9	50	173	190.3	ATV630D90N4	58.500/128.970
HD	75	100	134.3	118.1	98.2	50	145	217.5		
ND	110	150	201	165	121.8	50	211	232.1	ATV630C11N4 (6)	82.000/180.779
HD	90	125	170	143	102.6	50	173	259.5		
ND	132	200	237	213	161.4	50	250	275	ATV630C13N4 (6)	82.000/180.779
HD	110	150	201	165	121.8	50	211	317		
ND	160	250	284	262	201.3	50	302	332.2	ATV630C16N4 (6)	82.000/180.779
HD	132	200	237	213	161.4	50	250	375		
ND	220	350	397	324	247	50	427	470	ATV630C22N4 (6)	163.000/359.353
HD	160	250	296	246	187	50	302	453		
ND	250	400	451	366	279	50	481	529	ATV630C25N4 (6)	207.000/456.357
HD	220	300	365	301	229	50	387	581		
ND	315	500	569	461	351	50	616	678	ATV630C31N4 (6)	207.000/456.357
HD	250	400	457	375	286	50	481	722		

(1) These values are given for use in continuous operation with a nominal switching frequency of 2.5 kHz (ATV630D55N4...C31N4).

The switching frequency is adjustable from 2...8 kHz (ATV630D55N4...C31N4).

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.

(6) Product supplied as IP00 for mounting in an enclosure. For IP21/UL Type1 wall mounting, an adaptation kit should be ordered separately (see [page 2/13](#)).

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