

Variable speed drives

Altivar Process ATV900

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

Wall-mounting drives



ATV930D15N4



ATV930D30N4



ATV930D55N4

380...480 V (-15...10%) IP21/UL Type 1 drives - Wall mounting with braking unit										
Motor	Line supply				Altivar Process					
	Line current (2)		Apparent power	Prospective line Isc	Maximum continuous current (1)	Maximum transient current for 60 s	Reference (3)	Weight		
	380 V	480 V								
ND: Normal duty (4)										
HD: Heavy duty (5)										
	kW	HP	A	A	kVA	kA	A	A		kg/lb
With category C2 or C3 integrated EMC filter (6)										
ND 0.75 1	1.5	1.3	1.1	50	2.2	2.6	ATV930U07N4	4.500/		
HD 0.37 0.5	0.9	0.8	0.7	50	1.5	2.3		9.921		
ND 1.5 2	3	2.6	2.2	50	4	4.8	ATV930U15N4	4.500/		
HD 0.75 1	1.7	1.5	1.2	50	2.2	3.3		9.921		
ND 2.2 3	4.3	3.8	3.2	50	5.6	6.7	ATV930U22N4	4.500/		
HD 1.5 2	3.1	2.9	2.4	50	4	6		9.921		
ND 3 –	5.8	5.1	4.2	50	7.2	8.6	ATV930U30N4	4.600/		
HD 2.2 3	4.5	4	3.3	50	5.6	8.4		10.141		
ND 4 5	7.6	6.7	5.6	50	9.3	11.2	ATV930U40N4	4.600/		
HD 3 –	6	5.4	4.5	50	7.2	10.8		10.141		
ND 5.5 7.5	10.4	9.1	7.6	50	12.7	15.2	ATV930U55N4	4.700/		
HD 4 5	8	7.2	6.0	50	9.3	14		10.362		
ND 7.5 10	13.8	11.9	9.9	50	16.5	19.8	ATV930U75N4	7.700/		
HD 5.5 7.5	10.5	9.2	7.6	50	12.7	19.1		16.976		
ND 11 15	19.8	17	14.1	50	23.5	28.2	ATV930D11N4	7.700/		
HD 7.5 10	14.1	12.5	10.4	50	16.5	24.8		16.976		
ND 15 20	27	23.3	19.4	50	31.7	38	ATV930D15N4	13.600/		
HD 11 15	20.6	18.1	15.0	50	23.5	35.3		29.983		
ND 18.5 25	33.4	28.9	24	50	39.2	47	ATV930D18N4	14.200/		
HD 15 20	27.7	24.4	20.3	50	31.7	47.6		31.306		
ND 22 30	39.6	34.4	28.6	50	46.3	55.6	ATV930D22N4	14.300/		
HD 18.5 25	34.1	29.9	24.9	50	39.2	58.8		31.526		
ND 30 40	53.3	45.9	38.2	50	61.5	73.8	ATV930D30N4	28.000/		
HD 22 30	40.5	35.8	29.8	50	46.3	69.5		61.729		
ND 37 50	66.2	57.3	47.6	50	74.5	89.4	ATV930D37N4	28.200/		
HD 30 40	54.8	48.3	40.2	50	61.5	92.3		62.170		
ND 45 60	79.8	69.1	57.4	50	88	105.6	ATV930D45N4	28.700/		
HD 37 50	67.1	59.0	49.1	50	74.5	111.8		63.273		
ND 55 75	97.2	84.2	70	50	106	127.2	ATV930D55N4	57.500/		
HD 45 60	81.4	71.8	59.7	50	88	132		126.766		
ND 75 100	131.3	112.7	93.7	50	145	174	ATV930D75N4	59.000/		
HD 55 75	98.9	86.9	72.2	50	106	159		125.663		
ND 90 125	156.2	135.8	112.9	50	173	207.6	ATV930D90N4	59.500/		
HD 75 100	134.3	118.1	98.2	50	145	217.5		131.174		
ND 110 150	201	165	121.8	50	211	253	ATV930C11N4	104.000/		
HD 90 125	170	143	102.6	50	173	259.5	(7)	229.000		
ND 132 200	237	213	161.4	50	250	300	ATV930C13N4	104.000/		
HD 110 150	201	165	121.8	50	211	317	(7)	229.000		
ND 160 250	284	262	201.3	50	302	362	ATV930C16N4	104.000/		
HD 132 200	237	213	161.4	50	250	375	(7)	229.000		
ND 220 350	397	324	247	50	427	512	ATV930C22N4	172.000/		
HD 160 250	296	246	187	50	302	453	(8)	379.195		

(1) These values are given for an adjustable nominal switching frequency of 4 kHz for **ATV930U07N4...ATV930D45N4** drives or 2.5 kHz for **ATV930D55N4...C22N4** drives, for use in continuous operation.

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 derating curves in the [Installation Manual](#)).

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

(3) For **ATV930...N4Z** cabinet integration drives, see [pages 3/6 and 3/7](#) in the cabinet integration section.

(4) Values given for applications requiring a slight overload (up to 120%).

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

(6) Category C2 EMC filter for **ATV930U07N4...D45N4** drives. Category C3 EMC filter above **ATV930D45N4**.

(7) Product supplied as IP20/UL Type 1 with braking unit for wall mounting and cabinet mounting.

(8) Product supplied as IP00 for mounting in an enclosure. For IP21/UL Type 1 wall mounting, a conformity 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](#)).