



ATV 312H075M2



ATV 312HU15N4



ATV 312HU30N4



ATV 312HU75N4

Drives (frequency range from 0.5 to 500 Hz)										
Motor Power indicated on rating plate (1)	Line supply					Altivar 312			Reference	Weight
	Max. line current (2), (3)	Apparent power		Max. prospective line Isc (4)	Max. conti- nuous output current (In) (1)	Max. transient current for 60 s	Power dissipated at maximum output current (In) (1)			
		at U1	at U2					at U2		
kW	HP	A	A	kVA	kA	A	A	W	kg	
Single-phase supply voltage: 200...240 V 50/60 Hz, with integrated EMC filter (3) (5) (6)										
0.18	0.25	3.0	2.5	0.6	1	1.5	2.3	24	ATV 312H018M2	1.500
0.37	0.5	5.3	4.4	1	1	3.3	5	41	ATV 312H037M2	1.500
0.55	0.75	6.8	5.8	1.4	1	3.7	5.6	46	ATV 312H055M2	1.500
0.75	1	8.9	7.5	1.8	1	4.8	7.2	60	ATV 312H075M2	1.500
1.1	1.5	12.1	10.2	2.4	1	6.9	10.4	74	ATV 312HU11M2	1.800
1.5	2	15.8	13.3	3.2	1	8	12	90	ATV 312HU15M2	1.800
2.2	3	21.9	18.4	4.4	1	11	16.5	123	ATV 312HU22M2	3.100
Three-phase supply voltage: 200...240 V 50/60 Hz, without EMC filter (3) (7)										
0.18	0.25	2.1	1.9	0.7	5	1.5	2.3	23	ATV 312H018M3	1.300
0.37	0.5	3.8	3.3	1.3	5	3.3	5	38	ATV 312H037M3	1.300
0.55	0.75	4.9	4.2	1.7	5	3.7	5.6	43	ATV 312H055M3	1.300
0.75	1	6.4	5.6	2.2	5	4.8	7.2	55	ATV 312H075M3	1.300
1.1	1.5	8.5	7.4	3	5	6.9	10.4	71	ATV 312HU11M3	1.700
1.5	2	11.1	9.6	3.8	5	8	12	86	ATV 312HU15M3	1.700
2.2	3	14.9	13	5.2	5	11	16.5	114	ATV 312HU22M3	1.700
3	—	19.1	16.6	6.6	5	13.7	20.6	146	ATV 312HU30M3	2.900
4	5	24.2	21.1	8.4	5	17.5	26.3	180	ATV 312HU40M3	2.900
5.5	7.5	36.8	32	12.8	22	27.5	41.3	292	ATV 312HU55M3	6.400
7.5	10	46.8	40.9	16.2	22	33	49.5	388	ATV 312HU75M3	6.400
11	15	63.5	55.6	22	22	54	81	477	ATV 312HD11M3	10.500
15	20	82.1	71.9	28.5	22	66	99	628	ATV 312HD15M3	10.500
Three-phase supply voltage: 380...500 V 50/60 Hz, with integrated EMC filter (3) (5) (6)										
0.37	0.5	2.2	1.7	1.5	5	1.5	2.3	32	ATV 312H037N4	1.800
0.55	0.75	2.8	2.2	1.8	5	1.9	2.9	37	ATV 312H055N4	1.800
0.75	1	3.6	2.7	2.4	5	2.3	3.5	41	ATV 312H075N4	1.800
1.1	1.5	4.9	3.7	3.2	5	3	4.5	48	ATV 312HU11N4	1.800
1.5	2	6.4	4.8	4.2	5	4.1	6.2	61	ATV 312HU15N4	1.800
2.2	3	8.9	6.7	5.9	5	5.5	8.3	79	ATV 312HU22N4	3.100
3	—	10.9	8.3	7.1	5	7.1	10.7	125	ATV 312HU30N4	3.100
4	5	13.9	10.6	9.2	5	9.5	14.3	150	ATV 312HU40N4	3.100
5.5	7.5	21.9	16.5	15	22	14.3	21.5	232	ATV 312HU55N4	6.500
7.5	10	27.7	21	18	22	17	25.5	269	ATV 312HU75N4	6.500
11	15	37.2	28.4	25	22	27.7	41.6	397	ATV 312HD11N4	11.000
15	20	48.2	36.8	32	22	33	49.5	492	ATV 312HD15N4	11.000
Three-phase supply voltage: 525...600 V 50/60 Hz, without EMC filter (3) (8)										
0.75	1	2.8	2.4	2.5	5	1.7	2.6	36	ATV 312H075S6	1.700
1.5	2	4.8	4.2	4.4	5	2.7	4.1	48	ATV 312HU15S6	1.700
2.2	3	6.4	5.6	5.8	5	3.9	5.9	62	ATV 312HU22S6	2.900
4	5	10.7	9.3	9.7	5	6.1	9.2	94	ATV 312HU40S6	2.900
5.5	7.5	16.2	14.1	15	22	9	13.5	133	ATV 312HU55S6	6.200
7.5	10	21.3	18.5	19	22	11	16.5	165	ATV 312HU75S6	6.200
11	15	27.8	24.4	25	22	17	25.5	257	ATV 312HD11S6	10.000
15	20	36.4	31.8	33	22	22	33	335	ATV 312HD15S6	10.000

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

The switching frequency is adjustable from 2 to 16 kHz. Above 4 kHz, derate the nominal drive current. The nominal motor current should not exceed this value. See derating curves on page 60430/4.

(2) Typical value for a 4-pole motor and a maximum switching frequency of 4 kHz, with no line choke for max. prospective line Isc (4).

(3) Nominal supply voltage, min. U1, max. U2: 200 (U1)...240 V (U2), 380 (U1)...500 V (U2), 525 (U1)...600 V (U2).

(4) If line Isc is greater than the values in the table, add line chokes (see page 60425/3).

(5) Drives supplied with category C2 or C3 integrated EMC filter. This filter can be disconnected.

(6) If a communication card is used, it takes the place of the control I/O card. To reduce installation costs, the drive can be ordered without a control I/O card. To do this, simply add a B at the end of the reference. For example: ATV 312H075N4 becomes **ATV 312H075N4B**. The communication card must be ordered separately (see page 60428/2).

(7) EMC filter available as an option (see page 60426/3).

(8) Mandatory line choke to be ordered separately (see page 60425/3).



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Accessories

Description	For drives	Sold in lots of	Reference	Weight kg
Plates for mounting on L rail, width 35 mm	ATV 312H018M2...H075M2	–	VW3 A9 804	0.290
	ATV 312H018M3...H075M3	–		
	ATV 312HU11M2, HU15M2	–	VW3 A9 805	0.385
	ATV 312HU11M3...HU22M3	–		
	ATV 312H037N4...HU15N4 ATV 312H075S6, HU15S6	–		
UL Type 1 conformity kits Mechanical device for fixing to the lower part of the drive. For direct connection of cables to the drive via tubes or cable glands	ATV 312H018M2...H075M2	–	VW3 A31812	0.400
	ATV 312H018M3...H075M3	–	VW3 A31811	0.400
	ATV 312HU11M3, HU15M3	–	VW3 A31813	0.400
	ATV 312HU11M2, HU15M2	–	VW3 A31814	0.500
	ATV 312HU22M3	–		
	ATV 312H037N4...HU15N4	–		
	ATV 312H075S6, HU15S6	–		
	ATV 312HU22M2	–	VW3 A31815	0.500
	ATV 312HU30M3, HU40M3	–		
	ATV 312HU22N4...HU40N4 ATV 312HU22S6, HU40S6	–		
ATV 312HU55M3, HU75M3	–	VW3 A31816	0.900	
ATV 312HU55N4, HU75N4	–			
ATV 312HU55S6, HU75S6	–			
ATV 312HD11M3, HD15M3	–	VW3 A31817	1.200	
ATV 312HD11N4, HD15N4	–			
ATV 312HD11S6, HD15S6	–			
Shielding connection clamps Attachment and earthing of the cable shielding Pack of 25 clamps including: ■ 20 clamps for Ø 4.8 mm cable ■ 5 clamps for Ø 7.9 mm cable	ATV 312H●●●●●	25	TM200 RSRCEMC	–



TM200 RSRCEMC

Documentation

Description	Reference	Weight kg
"Description of the Motion & Drives offer" DVD-ROM Comprises (1): ■ Technical documentation (programming manuals, installation manuals, quick reference guides) ■ SoMove lite setup software ■ Catalogues ■ Brochures	VW3 A8 200	0.100

Replacement parts

Description	For drives	Reference	Weight kg
ATV 312 control I/O card	ATV 312H●●●●●	VW3 A312 01	0.200
Fans	ATV 312HU11M2, HU15M2	VZ3 V3 101	0.200
	ATV 312HU11M3, HU22M3		
	ATV 312H037N4, HU15N4		
	ATV 312H075S6, HU15S6		
	ATV 312HU22M2	VZ3 V3 102	0.200
	ATV 312HU30M3, HU40M3		
	ATV 312HU22N4, HU40N4		
	ATV 312HU22S6, HU40S6		
	ATV 312HU55M3, HU75M3	VZ3 V3 103	0.200
	ATV 312HU55N4, HU75N4 ATV 312HU55S6, HU75S6		
ATV 312HD11M3, HD15M3	VZ3 V3 104	0.300	
ATV 312HD11N4, HD15N4			
ATV 312HD11S6, HD15S6			



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(1) The contents of this DVD-ROM are also available on our website www.schneider-electric.com.