



Altivar 71

Excellent freedom of movement

The Altivar 71 incorporates a wide range of functions, from very simple to very sophisticated. Its performance is perfectly coordinated for very many applications. With Altivar 71, the performance of your machines will soar!



Material handling:

- Reaction time on logic command: $2 \text{ ms} \pm 0.5 \text{ ms}$.
- Positioning on limit switches with optimisation of low speed operating time.



Hoisting:

- Weight measurement processing.
- High speed hoisting.
- Brake feedback control.
- Management of limit switches.



Wood machines:

- Operation up to 1000 Hz.
- Fast controlled stop on supply failure.



Process machines:

- PID regulator dedicated to process.
- High resolution of the reference (1/32000).
- Speed or torque control.
- Connection to main communication networks.
- Connection to common DC bus.



Textile machines:

- Precision of speed whatever the load by using synchronous motor.
- Up to 50Hz bandwidth.
- Traverse control function.



Packaging:

- Control via integrated CANopen network.

Supply voltage: 3-phase 200... 240 V

Motor		Drive	
kW	HP	References	Dimensions W x H x D (mm)
0.37	0.5	ATV 71H037M3 ⁽¹⁾	130 x 230 x 175
0.75	1	ATV 71H075M3 ⁽¹⁾	130 x 230 x 175
1.5	2	ATV 71HU15M3 ⁽¹⁾	130 x 230 x 175
2.2	3	ATV 71HU22M3 ⁽¹⁾	155 x 260 x 187
3	-	ATV 71HU30M3 ⁽¹⁾	155 x 260 x 187
4	5	ATV 71HU40M3 ⁽²⁾	155 x 260 x 187
5.5	7.5	ATV 71HU55M3 ⁽²⁾	175 x 295 x 187
7.5	10	ATV 71HU75M3 ⁽²⁾	210 x 295 x 213
11	15	ATV 71HD11M3X ⁽³⁾	230 x 400 x 213
15	20	ATV 71HD15M3X ⁽³⁾	230 x 400 x 213
18.5	25	ATV 71HD18M3X ⁽³⁾	240 x 420 x 236
22	30	ATV 71HD22M3X ⁽³⁾	240 x 420 x 236
30	40	ATV 71HD30M3X ⁽³⁾	320 x 550 x 266
37	50	ATV 71HD37M3X ⁽³⁾	320 x 550 x 266
45	60	ATV 71HD45M3X ⁽³⁾	320 x 550 x 266
55	75	ATV 71HD55M3X ⁽³⁾	320 x 920 x 377
75	100	ATV 71HD75M3X ⁽³⁾	350 x 1022 x 377

(1) For single-phase 0.37 to 5.5 kW range, select the next rating up
(Example: 2.2 kW - reference = ATV 71HU30M3).

(2) For single-phase operation, select the next rating up and add a line choke.

(3) Without EMC filter.

Supply voltage: 3-phase 380... 480 V

Motor		Drive	
kW	HP	References	Dimensions W x H x D (mm)
0.75	1	ATV 71H075N4	130 x 230 x 175
1.5	2	ATV 71HU15N4	130 x 230 x 175
2.2	3	ATV 71HU22N4	130 x 230 x 175
3	-	ATV 71HU30N4	155 x 260 x 187
4	5	ATV 71HU40N4	155 x 260 x 187
5.5	7.5	ATV 71HU55N4	175 x 295 x 187
7.5	10	ATV 71HU75N4	175 x 295 x 187
11	15	ATV 71HD11N4	210 x 295 x 213
15	20	ATV 71HD15N4	230 x 400 x 213
18.5	25	ATV 71HD18N4	230 x 400 x 213
22	30	ATV 71HD22N4	240 x 420 x 236
30	40	ATV 71HD30N4	240 x 550 x 266
37	50	ATV 71HD37N4	240 x 550 x 266
45	60	ATV 71HD45N4	320 x 630 x 290
55	75	ATV 71HD55N4	320 x 630 x 290
75	100	ATV 71HD75N4	320 x 630 x 290
90	125	ATV 71HD90N4	320 x 920 x 377
110	150	ATV 71HC11N4	360 x 1 022 x 377
132	200	ATV 71HC13N4	340 x 1 190 x 377
160	250	ATV 71HC16N4	440 x 1 190 x 377
200	300	ATV 71HC20N4	595 x 1 190 x 377
220	350	ATV 71HC25N4	595 x 1 190 x 377
250	400	ATV 71HC25N4	595 x 1 190 x 377
280	450	ATV 71HC28N4	595 x 1 190 x 377
315	500	ATV 71HC31N4	890 x 1 390 x 377
355	-	ATV 71HC40N4	890 x 1 390 x 377
400	600	ATV 71HC40N4	890 x 1 390 x 377
500	700	ATV 71HC50N4	1 110 x 1 390 x 377

For up to 15 kW, add the letter "Z" to the end of the reference for an Altivar 71 incorporating a 7-segment terminal.

PowerSuite software workshop

PowerSuite CD-ROM for PC
(English, French, German, Chinese, Spanish and Italian) _____ VW3 A8104

Connection kit
for PC _____ VW3 A8106

Adaptor for wireless link
Modbus-Bluetooth® _____ VW3 A8114
USB-Bluetooth® _____ VW3 A8115

Input/output cards

Logic inputs/outputs

1 voltage output, 24 V
1 voltage output, -10 V
1 logic output, relay
4 programmable logic inputs
2 assignable logic outputs with open collector
1 input for 6 PTC probes max.
_____ VW3 A3201

Extended inputs/outputs

Same as logic inputs/outputs card +
2 analogue inputs
2 analogue outputs
1 pulse input
_____ VW3 A3202

Interface cards for

incremental encoders

with RS 422 outputs, 5 V _____ VW3 A3401
with RS 422 outputs, 15 V _____ VW3 A3402
with open collector outputs, 12 V _____ VW3 A3403
with open collector outputs, 15 V _____ VW3 A3404
with push-pull outputs, 12 V _____ VW3 A3405
with push-pull outputs, 15 V _____ VW3 A3406
with push-pull outputs, 24 V _____ VW3 A3407

Controller Inside programmable card

_____ VW3 A3501

Communication cards

Fipio _____ VW3 A3311
Ethernet _____ VW3 A3310
Modbus Plus _____ VW3 A3302
Profibus DP _____ VW3 A3307
DeviceNet _____ VW3 A3309
Uni-Telway _____ VW3 A3303
INTERBUS _____ VW3 A3304

For full and detailed information on the Altivar 71 offer, please refer to our catalogue.