## ATV310 complete parameters list

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Internal thermal sensor fault Internal thermal sensor fault Internal thermal sensor fault Internal thermal sensor fault Internal CPU or worthchaid of which overhoad Process overhoad Motor overhoad Motor overhoad Motor overhoad Internal to Tought phases loss Motor short-circuit GPT short circuit Inchant overhoads in overhoads in overspeed Count short-circuit IGPT short circuit INC and short circuit INC and short circuit INC and short circuit INC and short circuit INC of short circuit INC of short circuit INC overspeed Count short-circuit INC SET overhead Inchant Inchantic configuration Process underkoad Invalid configuration All current loss Download invalid configuration mode Standard motor frequency INC SET Inchinal Inchi	1833   Acceled to the part of the part o	ire e
6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	501.0 501.1 512.0 512.2 302 305 204.0 102 COMPI	200-
Detected fault codes	Macro Short menu	unem O\I
state.		1

Max voltage of constant power 360 to 460V (380V\*)
Max frequency of constant power 50 to 400Hz (50Hz\*) 322 310 402 403 Соптој теп Motor control menu I/O menu load time delay JON MENU Usi Current xy TA Li LiU Logic mouse 204. All current scaling p 204.2 All current scaling pa 204.3 All current scaling pa 204.3 All filter 215 Motor thermal state (\*)
216.0 to 1186, (100%-)
217.0 to 1186, (100%-)
218.0 to 1186, (1 21 Unde. 21 Unde. 22 Overloa. 123 Los of 4-. 123 Los of 4-. 120 LOT CONFIGURATION NO. 100 No. Logic inputs type
[00] positive
[01] negative
Alt CONFIGURATIC
Alt type
[50] Voltage: 0-5Vd
[100] Voltage: 0-10V NO menu (cont.)

501.4 Accel

501.3

Function / Ramp menu

500- FUrv... 501. Acceleration 0.0 to 999.8 (3.0s\*) 501.1 Deceleration 0.0 to 999.9s (? 501.2 Ramp sh

408

Control menu (cont.)

406

409

motor power

moder (-5to -2t) depending on drive rating
motor cos phi
motor cos phi
motor ordage

beceleration 2.50.7)
50.16 Date 1099.58 (5.05.7)
50.16 Date 1099.58 (5.05.7)
50.16 Date 1099.58 (5.05.7)
50.17 Function addivated 101° Function additional additionaly additional additional additional additional additional addition

No: When factory paramameters of stanes: Launches auto-tuning one: If auto-tuning has already been

502.3

503

502.2

502.1

Function / Stop configuration menu

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The (\*) indicates a parameter factory setting.

## ATV310 complete parameters list

DC injection function

подзени вос

Microsin (1970)   1989   198	512.5 High	513 Cooli [00] 600- FAUI 601 Detec		602.1 Max. 001 02 03 04 04	603 Catc [00]* [04]* 604- MOT 604.0 Mote	604.1 Moto 604.2 Over	605 Out	607.0 Und 607.1 Und 607.2 Und	607.3 Prec 430 608 (1GB) (01) (01)
Management   1907   Not assigned command   1907   Not assigned command comma	Speed limitation function (cont.) تې يې تې				no date3	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Management   1907   Not assigned command   1907   Not assigned command comma									2
Management   1907   Not assigned command   1907   Not assigned command comma	SOUTHERNOOF	To 150% of nominal motor current (90%)  Overload fault curration  0 to 6 min (0 min')  Indeptoad time delay  0 to 100 s (0 s*)  20 to 100 s (0 s*)	Underload fault duration  10 to 6 min (min  Selecting operating mode  101 Single frequency conversion mode  101 Single frequency conversion combined  with auxiliary pump mode  Starting frequency of the auxiliary pump  10 6 00Hz (2014)	0-0-0-0			<u> </u>	2. Current limitation 2. Current limitation 2. 0.25 to 1.5in (1.5in*). SPEED LIMIT MINU.  Low speed Limit along the current limitation 2. Low speed threat high speed threat h	
Automatic De injection  Off Train land De Chipeldon  Off Train land De Chipeldon  Off Train land De Chipeldon  Actornatic De injection arrent  Off Train land De Chipeldon  Actornatic De Injection arrent  Off Train land De Chipeldon  Actornatic De Injection arrent  Off Train land De Chipeldon  Off Train la	59.25 59.26 510- 207	1000	510. 510. 510.		510.7				The state of the s
Automatic DC injection  (0) Trunclain infaction in Continuous CD Cinjection  (1) Trunclain infaction in Continuous Contin		noi	Pump mangement funct	GIA		gement function	nem qmu9 \ OI9	noi	Speed limitation func
Automate DC injection  (10) Function insched by  (10) Control insched our ant (20%)  (2) Contribution in Scribe in DC injection  Automate DC injection Current (70%)  Automate DC injection time  (1) 120% of nominal molor current (70%)  Automate DC injection time  (1) 120% of nominal molor current (70%)  Automate DC injection time  (1) 120% of nominal molor current (70%)  Automate DC injection time  (1) 120% of nominal molor current (70%)  (2) 2 stative High  (2) 120 assignment  (3) 13 active High  (4) 121 active High  (4) 121 active High  (5) 120 active High  (6) Not assigned  (7) 121 active High  (1) 131 active High  (2) 120 active High  (3) 13 active High  (4) 121 active High  (5) 120 active High  (6) Not assigned  (7) 121 active High  (1) 131 active High  (1) 13 active High  (2) 131 (13 active High  (3) 14 (13 active High  (4) 14 active High  (5) 15 (10% (0%)  (6) Not assigned  (7) Not assigned  (1) 11 active High  (1) Not assigned  (2) Not assigned  (3) Not assigned  (4) 11 active High  (5) 121 (13 active High  (6) Not assigned  (7) Not assigned  (8) Not assigned  (9) Not assigned  (11) 11 active High  (11) 11 active High  (12) 12 active High  (13) 11 active High  (14) 11 active High  (15) Active High  (16) Not assigned  (17) Not assigned  (17) Not assigned  (18) Not assigned  (19) Not assigned  (10) Not assigned				terminal of other and other terminal of other terminal	59.11 illustrial rich terretive 0 to 100% (0%) 59.12 PID reference ramp 0 to 100% (0%) 59.13 PID min value reference 0 to 100% (0%)	PID may 0 to 100 0 to 100 0 to 10 40 Acceler 0 to 99 0 to 99 0 to 99 0 to 99 0 to 99	255 <b>9</b> 355	59.18 PID manual reference (00) No (183) Integrated jog dial (183) Integrated jog dial (181) Low speed operating the	
Automoment of the present of the pre		-		uo	Control functi	Old			
504.0 504.1 504.1 506.4 506.4 506.4 507.1 507.2 507.3 507.3 507.3 507.5 507.5 507.5 507.5 507.5	Autom Autom [00] [01]* [02] Autom 0.1 to 32 Jog as [11]	PP42% 8	######################################	555 855 855 855 855 855 855 855 855 855	ELEE E	Reaction 10 to 10			Preset speed 5 0 to 400/bz (28/bz) Preset speed 6 0 to 400/bz (28/bz) Preset speed 7 0 to 400/bz (38/bz) Preset speed 8 Skip frequency 0 to 400/bz (40/bz) Skip frequency
(quanh	504.0 504.1 504.2 505.2	506-	506.1	506.2	5006.3	506.4 507- 507.0	507.1	507.3 507.4 507.5	

assignment	anagement	eration	time	n time ed faults via Run k							ss parameter 1	ss parameter 2	ss parameter 3	ss parameter 4	NU ss parameter 1	ss parameter 2	ss parameter 3	ss parameter 4 SS MENU	ss value 1	ss value 2	ss value 4	CESS MENU	es value 2	iss value 3	ss value 4
Detected that inhibition assignment (00)* Function inactive [114] L11 active High [124] L2 active High [134] L13 active High [44] L4 active High	LUH) LIU active High Modbus detected fault man: 000* Detected fault ignored 011 Freewheel ston	Degraded line supply operation	* set	04) Reset power-on time 07) Reset fan operation time Reset all previous detected faults via Run k	of HMI [00]* Deactivated [01] Active	COMMUNICATION MENU Modbus address Off to 247 (off*)	24 4.8 kbps 28 9.6 kbps	9	021 8E1	db d	4 =	0C81* Com scanner read adress parameter	219C* Com scanner read adress parameter 0000	Com scanner read adress parameter 0000	OUTPUT SCANNER MENU Com scanner write adress parameter	2135* Com scanner write adrass parameter 2194*	Com scanner write adress parameter 0000	Com scanner write adress parameter 0000 INPUT SCANNER ACCESS MENU	Com scanner read adress value	Com scanner read adress value 2 219C* Com scanner read adress value 3	0000 Com scanner read adress value	OUTPUT SCANNER ACCESS MENU	CMD value*	Com scanner write adress value 8000	Com scanner write adress value 8000
019	611	612	613	614		900 00		703		704	705.0	705.1	705.2	705.3	706.0	706.1	706.2	707-	707.0	707.1	707.3	708-0	708.1	708.2	708.3
et. fault inhibit.	Nodbus De	Degr. N	unı	t power	Rese						I			nu	əm noi	nunicat	nmoə		No.						
4 High speed assignment (00)* Not assigned (1.2H L11 active High (1.2H L12 active High (1.3H L13 active High (1.4H L44 active High	High states		Cooling fan control [00] Fan runs when drive runs [01]* Thermal control	FAULT DETECTION MANAGEMENT MENU Detected fault reset assignment finit Not assigned	LO Active High LI2 active High LI2 active High LI3 active High LI3 active High	題。	000	Max. a	02 30 min 03 1 hour 04 2 hours	4		25	025	02 Overlo	00.0		00) Deactivated (01)* Tripping then freewheel stop	Input Phase loss [00] Detected fault ignored [04]* Detected fault ignored		The same of the sa	122	-04		2	[01] Freewheel stop
512.4	512.5	512.7	513	-009		602-	002.0	602.1		603	3	604-0	604.1	604.2	6043	200	coo	909	607.0	607.4	007.	607.2	809	609	
unction (cont.)			Fan		ilusì beto			natic res betected	notuA s reffe	u	atch o	o u	oitoetio	us bu	nedt 10	doM	sso	y esey	4	aget	loviabi	μN	18	91	esol Am 0
Maximum frequency detection Hysteresis 0 to 50Hz (0Hz) 10 fleedback supervision 1001 Not assigned 1011 Free whee	Fallback speed (0Hz*) 0 to High speed (0Hz*)	Overload time delay 0 to 100 s (0 s*) Overload threshold	70 to 150% of nominal motor current (90%)  Overload fault duration  0 to 6 min (0 min,9)  Indepload fault directly	0 to 100 s (0 s) Underload threshold	Zu to 120% of notifinal motor current (ed.%) Underload fault duration Or to Genin (Omin*) Selecting operating mode	(01) Single frequency conversion mode (01) Single frequency conversion combined with auxiliary pump mode		040			Uto 999-38 (28 ) Zero flow detection period 2 comin (Omin)	Zero flow detection activation threshold 0 to 400Hz (0Hz*)	Noc			[L3H] LI3 active High [L4H] LI4 active High		[L3L] Ll3 active Low [L4L] Ll4 active Low	Curren 0.25 to		SPEED LIMIT MENU Low speed OHz to high speed (OHz*)		Low speed to maximum frequency (50 or 60Hz according to standard motor frequency.*)	402	1.2H Ll2 active High (.3H Ll3 active High 1.H Ll4 active High 1.H III active High
59.24	59.26	207	209	211	212		510.7	510.3	510.4	510.6	510.7	510.8	510.9	511.0					511.1	511.2	512- 512.0	512.1	2.216	5.216	
				uo	itonut functi	шэвиеш	dmu9 /	GIA						notion	nut Ins	eudem	u dwn	d / Old	-		u	functio	noitatin	iil beed	Is

Maintenance menu

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