

## 1336 FORCE Series A Numerical Parameter Table

Parameter Table (Numerical)

Table 5.A - 1336T Numerical Parameter Table

Param No.	Parameter Name	Block No.	Block Name
01	Drive Software Version	01	System Data
05	Drive Power Structure Type	01	System Data
09	Drive Link Task Interval	02	Drive to Drive Interface
10	Drive Link Baud Rate	02	Drive to Drive Interface
11	Drive Link Transmit Address	02	Drive to Drive Interface
12	Drive Link Receive 1 Address	02	Drive to Drive Interface
13	Drive Link Receive 2 Address	02	Drive to Drive Interface
14	Drive Link Transmit Indirect 1	02	Drive to Drive Interface
15	Drive Link Transmit Indirect 2	02	Drive to Drive Interface
16	Drive Link Receive 1, Indirect 1	02	Drive to Drive Interface
17	Drive Link Receive 1, Indirect 2	02	Drive to Drive Interface
18	Drive Link Receive 2, Indirect 1	02	Drive to Drive Interface
19	Drive Link Receive 2, Indirect 2	02	Drive to Drive Interface
20	Drive Link Transmit Data 1	02	Drive to Drive Interface
21	Drive Link Transmit Data 2	02	Drive to Drive Interface
22	Drive Link Receive 1, Data 1	02	Drive to Drive Interface
23	Drive Link Receive 1, Data 2	02	Drive to Drive Interface
24	Drive Link Receive 2, Data 1	02	Drive to Drive Interface
25	Drive Link Receive 2, Data 2	02	Drive to Drive Interface
26	Process Trim Output	03	Process Trim
27	Process Trim Reference	03	Process Trim
28	Process Trim Feedback	03	Process Trim
29	Process Trim Select	03	Process Trim
30	Process Trim Filter Bandwidth	03	Process Trim
31	Process Trim Data	03	Process Trim
32	Process Trim KI Gain	03	Process Trim
33	Process Trim KP Gain	03	Process Trim
34	Process Trim Low Limit	03	Process Trim
35	Process Trim High Limit	03	Process Trim
36	Process Trim Output Gain	03	Process Trim
37	Process Trim Testpoint	03	Process Trim
38	Process Trim Setpoint Select	03	Process Trim
40	Auto Tune Torque Limit	04	Autotune
41	Auto Tune Speed	04	Autotune
43	VP Desired Bandwidth	04	Autotune
44	VP Maximum Bandwidth	04	Autotune
45	VP Damping Factor	04	Autotune
46	Total Inertia	04	Autotune
47	Auto Tune Testpoint Data	04	Autotune
48	Auto Tune Testpoint Select	04	Autotune
52	Logic Command Word	05	Drive Logic
53	Torque Mode Select	05	Drive Logic
54	Local Input Status	05	Drive Logic
55	Local Output Status	05	Drive Logic

Table 5.A - 1336T Numerical Parameter Table (Cont.)

Param No.	Parameter Name	Block No.	Block Name
56	Logic Status LOW	05	Drive Logic
57	Logic Status HI	05	Drive Logic
59	Logic Options	05	Drive Logic
60	At Setpoint 1	05	Drive Logic
61	At Setpoint 2	05	Drive Logic
62	Over Setpoint 1	05	Drive Logic
63	Over Setpoint 2	05	Drive Logic
64	Over Setpoint 3	05	Drive Logic
65	Over Setpoint 4	05	Drive Logic
66	Setpoint Select	05	Drive Logic
67	Speed Setpoint Tolerance	05	Drive Logic
68	Current Setpoint Tolerance	05	Drive Logic
69	Zero Speed Tolerance	05	Drive Logic
70	Logic Testpoint Data	05	Drive Logic
71	Logic Testpoint Select	05	Drive Logic
72	Stop Dwell	05	Drive Logic
77	Maximum Dynamic Brake Power	06	Dynamic Brake
78	Maximum Dynamic Brake Temperature	06	Dynamic Brake
79	Dynamic Brake Time Constant	06	Dynamic Brake
80	Powerup/Diagnostic Fault Status	07	Drive Fault
81	Non-Configurable Fault Status	07	Drive Fault
82	CP Configurable Fault Status	07	Drive Fault
83	VP Configurable Fault Status	07	Drive Fault
84	CP Configurable Warning Status	07	Drive Fault
85	VP Configurable Warning Status	07	Drive Fault
86	CP Fault/W arning Configuration	07	Drive Fault
87	CP Warning/None Configuration Select	07	Drive Fault
88	VP Fault/W arning Configuration Select	07	Drive Fault
89	VP Warning/None Configuration Select	07	Drive Fault
90	Absolute Overspeed Threshold	07	Drive Fault
91	Stall Delay	07	Drive Fault
92	Motor Overload Limit	07	Drive Fault
93	Transistor Rjc	07	Drive Fault
94	Motor Overtemp Limit	07	Drive Fault
95	Motor Overload Speed 1	07	Drive Fault
96	Motor Overload Speed 2	07	Drive Fault
97	Minimum Overload Limit	07	Drive Fault
98	Fault Testpoint	07	Drive Fault
99	Fault Testpoint Select	07	Drive Fault
100	Velocity Reference 1 LOW (FRACTION)	08	Velocity Rejer ence
101	Velocity Reference 1 HI (WHOLE, 32 bit)	08	Velocity Rejer ence
102	Velocity Scale Factor 1	08	Velocity Rejer ence
103	Velocity Reference 2 LOW (FRACTION)	08	Velocity Rejer ence
104	Velocity Reference 2 HI (WHOLE, 32 bit)	08	Velocity Rejer ence
105	Velocity Scale Factor 2	08	Velocity Rejer ence
106	Velocity Trim LOW	08	Velocity Rejer ence
107	Velocity Trim HI (32 bit)	08	Velocity Rejer ence
108	Velocity Reference Testpoint Data LOW	08	Velocity Rejer ence
109	Velocity Reference Testpoint Data HI (32 bit)	08	Velocity Rejer ence
110	Velocity Reference Testpoint Select	08	Velocity Rejer ence
117	Jog Speed 1	08	Velocity Rejer ence
118	Jog Speed 2	08	Velocity Rejer ence
119	Preset Speed 1	08	Velocity Rejer ence
120	Preset Speed 2	08	Velocity Rejer ence

Table 5.A - 1336T Numerical Parameter Table (Cont.)

Param No.	Parameter Name	Block No.	Block Name
121	Preset Speed 3	08	Velocity Reference
122	Preset Speed 4	08	Velocity Reference
123	Preset Speed 5	08	Velocity Reference
125	Accel Time	08	Velocity Reference
126	Decel Time	08	Velocity Reference
127	Reverse Motor Speed Limit	08	Velocity Reference
128	Forward Motor Speed Limit	08	Velocity Reference
129	Maximum Reverse Speed Trim	08	Velocity Reference
130	Maximum Forward Speed Trim	08	Velocity Reference
131	Droop Percent	08	Velocity Reference
132	Velocity Reference Output LOW	08	Velocity Reference
133	Velocity Reference Output HI (32 bit)	08	Velocity Reference
134	Velocity Regulator Output	09	Velocity Regulator
135	Velocity Regulator Testpoint Data LOW	09	Velocity Regulator
136	Velocity Regulator Testpoint Data HI (32 bit)	09	Velocity Regulator
137	Velocity Regulator Testpoint Select	09	Velocity Regulator
138	Velocity Error	09	Velocity Regulator
139	KI - Velocity Loop	09	Velocity Regulator
140	KP - Velocity Loop	09	Velocity Regulator
141	KF - Velocity Loop	09	Velocity Regulator
142	KF Error Filter Bandwidth	09	Velocity Regulator
143	Velocity Feedback Testpoint Data LOW	10	Velocity Feedback
144	Velocity Feedback Testpoint Data HI (32 bit)	10	Velocity Feedback
145	Velocity Feedback Testpoint Select	10	Velocity Feedback
146	Velocity Feedback	10	Velocity Feedback
147	Scaled Velocity Feedback	10	Velocity Feedback
148	Encoder Position Feedback LOW	10	Velocity Feedback
149	Encoder Position Feedback HI	10	Velocity Feedback
150	Feedback Device Type	10	Velocity Feedback
151	Feedback Tracker Gain	10	Velocity Feedback
152	Feedback Filter Select	10	Velocity Feedback
153	Kn - Feedback Filter Gain	10	Velocity Feedback
154	Wn - Feedback Filter Bandwidth	10	Velocity Feedback
155	Tach Velocity	10	Velocity Feedback
161	External Iq Reference	11	Torque Reference
162	External Torque Reference 1	11	Torque Reference
163	Slave Torque Percent 1	11	Torque Reference
164	External Torque Reference 2	11	Torque Reference
165	Slave Torque Percent 2	11	Torque Reference
166	External Torque Step	11	Torque Reference
167	Internal Torque Reference	11	Torque Reference
168	Internal Iq Reference	11	Torque Reference
171	Torque Scale % (KAL)	11	Torque Reference
172	Torque Reference Testpoint Data	11	Torque Reference
173	Torque Reference Testpoint Select	11	Torque Reference
174	Minimum Flux Level	11	Torque Reference
175	Pos Torque Reference Limit	11	Torque Reference
176	Neg Torque Reference Limit	11	Torque Reference
177	Motoring Power Limit	11	Torque Reference
178	Regen. Power Limit	11	Torque Reference
179	Positive Motor Current Reference Limit	11	Torque Reference
180	Negative Motor Current Reference Limit	11	Torque Reference
181	DI/DT Limit	11	Torque Reference
182	Computed Power	11	Torque Reference
183	Torque Limit Status	11	Torque Reference

# AB Spares

Table 5.A - 1336T Numerical Parameter Table (Cont.)

Param No.	Parameter Name	Block No.	Block Name
220	Rated Inverter Output Amps	12	<i>Inverter Configuration</i>
221	Rated Inverter Input Voltage	12	<i>Inverter Configuration</i>
222	Inverter Carrier Frequency	12	<i>Inverter Configuration</i>
223	Precharge/Ridethru Selection	12	<i>Inverter Configuration</i>
224	Undervoltage Setpoint	12	<i>Inverter Configuration</i>
225	Bus Precharge Timeout	12	<i>Inverter Configuration</i>
226	Bus Ridethru Timeout	12	<i>Inverter Configuration</i>
227	CP Operating Options	12	<i>Inverter Configuration</i>
228	Motor Nameplate HORSEPOWER	13	<i>Motor Nameplate Data</i>
229	Base Motor Speed	13	<i>Motor Nameplate Data</i>
230	Motor Nameplate AMPS	13	<i>Motor Nameplate Data</i>
231	Motor Nameplate VOLTS	13	<i>Motor Nameplate Data</i>
232	Motor Nameplate FREQUENCY	13	<i>Motor Nameplate Data</i>
233	Motor Nameplate POLES	13	<i>Motor Nameplate Data</i>
234	Motor Inertia	13	<i>Motor Nameplate Data</i>
235	Encoder PPR	13	<i>Motor Nameplate Data</i>
236	Rs Tune (Stator Resistance)	14	<i>Motor Constants</i>
237	Lsigma Tune (Leakage Inductance)	14	<i>Motor Constants</i>
238	Id Tune (Rated Flux Current)	14	<i>Motor Constants</i>
240	Iq Tune (Base Torque Current)	15	<i>Torque Regulator</i>
241	Vde Tune (Base Torque Voltage)	15	<i>Torque Regulator</i>
242	Vqe Tune (Base Flux Voltage)	15	<i>Torque Regulator</i>
243	Vde Maximum (Peak HP)	15	<i>Torque Regulator</i>
244	Vqe Maximum (Constant HP)	15	<i>Torque Regulator</i>
245	Vde Minimum	15	<i>Torque Regulator</i>
246	Kslip (Base Slip Freq.)	15	<i>Torque Regulator</i>
247	Base Slip Freq Max	15	<i>Torque Regulator</i>
248	Base Slip Freq Min	15	<i>Torque Regulator</i>
249	Kp - Slip Regulator	15	<i>Torque Regulator</i>
250	Ki - Slip Regulator	15	<i>Torque Regulator</i>
251	Kp - Flux Regulator	15	<i>Torque Regulator</i>
252	Ki - Flux Regulator	15	<i>Torque Regulator</i>
256	Autotune/Diagnostics Selection	16	<i>Autotune/Diagnostics</i>
257	Transistor Diagnostics Configuration	16	<i>Autotune/Diagnostics</i>
258	Inverter Diagnostics Result #1	16	<i>Autotune/Diagnostics</i>
259	Inverter Diagnostics Result #2	16	<i>Autotune/Diagnostics</i>
260	Iq OFFSET	16	<i>Autotune/Diagnostics</i>
261	Id OFFSET	16	<i>Autotune/Diagnostics</i>
262	Phase Rotation Current Reference	16	<i>Autotune/Diagnostics</i>
263	Phase Rotation Frequency Reference	16	<i>Autotune/Diagnostics</i>
264	Motor Current Magnitude Feedback	17	<i>Metering</i>
265	Motor Voltage Magnitude	17	<i>Metering</i>
266	Stator Frequency	17	<i>Metering</i>
267	Torque Feedback	17	<i>Metering</i>
268	DC Bus Voltage	17	<i>Metering</i>
269	Motor Temperature Feedback	17	<i>Metering</i>
270	Inverter Temperature Feedback	17	<i>Metering</i>
271	Limited Motor Flux	17	<i>Metering</i>
273	Testpoint Selection #1	18	<i>Torque Blk Test Pnt Sel</i>
274	Testpoint Data #1	18	<i>Torque Blk Test Pnt Sel</i>
275	Testpoint Selection #2	18	<i>Torque Blk Test Pnt Sel</i>
276	Testpoint Data #2	18	<i>Torque Blk Test Pnt Sel</i>
277	Testpoint Selection #3	18	<i>Torque Blk Test Pnt Sel</i>
278	Testpoint Data #3	18	<i>Torque Blk Test Pnt Sel</i>
279	Testpoint Selection #4	18	<i>Torque Blk Test Pnt Sel</i>
280	Testpoint Data #4	18	<i>Torque Blk Test Pnt Sel</i>

Table 5.A - 1336T Numerical Parameter Table (Cont.)

Param No.	Parameter Name	Group No.	Block Name
281	Testpoint Selection #5	18	<i>Torque Blk Test Point Sel</i>
282	Testpoint Data #5	18	<i>Torque Blk Test Point Sel</i>
283	Testpoint Selection #6	18	<i>Torque Blk Test Point Sel</i>
284	Testpoint Data #6	18	<i>Torque Blk Test Point Sel</i>
285	Selection for Test DAC 1	18	<i>Torque Blk Test Point Sel</i>
286	Selection for Test DAC 2	18	<i>Torque Blk Test Point Sel</i>
287	Dvbus dt	19	<i>Torque Blk Test Point Sel</i>
288	Bus Counts	19	<i>Torque Blk Test Point Sel</i>