

6. Parameters

6.1. Standard Parameters

The parameter set is arranged in Groups according to the following structure:

Parameter Group	Range	Access Level	Access Type
P00	P00-01 to P00-20	Extended	Read Only
	P00-21 to P00-50	Advanced	Read Only
Basic Parameters	P-01 to P-14	Basic	Read / Write
Extended Parameters	P-15 to P-50	Extended	Read / Write
Advanced Parameters	P-51 to P-60	Advanced	Read / Write

Access to all parameter groups is controlled by setting P-14 as follows:

P-14 = P-37 (Factory setting: 101) Allows Extended Parameter Access

P-14 = P-37 + 100 (Factory Setting: 201) Allows Advanced Parameter Access

In order to prevent possible damage to the drive and connected machinery, certain parameters are locked during operation of the drive to prevent change. In the case that the drive is enabled, and the user tries to change the parameter, an "L" is shown on the left of the display.

6.2. Parameter List

6.2.1. Standard Parameters

Par.	Function		Page No.
P-01	Maximum Frequency / Speed Limit	750	26
P-02	Minimum Frequency / Speed Limit	0	26
P-03	Acceleration Ramp Time	40	26
P-04	Deceleration Ramp Time	60	26
P-05	Stop Mode / Mains Loss Control	1	27
P-06	Energy Optimiser	3	27
P-07	Motor Rated Voltage / kV (PM / BLDC)	400	25
P-08	Motor Rated Current	18	25
P-09	Motor Rated Frequency	50	25
P-10	Motor Rated Speed	731	25
P-11	Low Frequency Torque Boost	0	25
P-12	Primary Command Source	3	28
P-13	Application Mode	2	27
P-14	Extended Menu Access code	201	30

6.2.2. Extended Parameters

Par.	Function		Page No.
P-15	Digital Input Function	0	30
P-16	Analog Input 1 Format	V 0-10	28
P-17	Effective Switching Frequency	16 → 24	28
P-18	Relay Output Function	4	29
P-19	Relay Threshold	5	29
P-20	Preset Frequency / Speed 1	75	30
P-21	Preset Frequency / Speed 2	375	30
P-22	Preset Frequency / Speed 3	600	30
P-23	Preset Frequency / Speed 4	750	30
P-24	Second Ramp Time	0	27

Par.	Function			Page No.
P-25	Analog Output Function	8	8	29
P-26	Skip Frequency Band Width	0	0	32
P-27	Skip Frequency Center Point	0	0	32
P-28	V/F Adjustment Voltage	0	0	32
P-29	V/F Adjustment Frequency	0	0	32
P-30	Start/ Restart / Fire Mode Config	Auto-0	Auto-0 n.c off	31
P-31	Keypad Start Mode	3	3	31
P-32	Index 1: DC Injection Duration	0	0	32
	Index 2: DC Injection Braking Mode	0	0	32
P-33	Spin Start Enable	1	1	32
P-34	Brake Chopper Enable (Not Size 1)	0	0	33
P-35	Analog Input 1/Slave Speed Scaling	100	100	29
P-36	Communication Configuration	Adr 1 115-2 0	Adr 2 115-2 0	34
P-37	Extended Menu Access Code	101	101	30
P-38	Parameter Lock	0	0	30
P-39	Analog Input 1 Offset	0	0	29
P-40	Index 1: Display Scaling Factor	0	0	33
	Index 2: Display Scaling Source	0	0	33
P-41	PI Proportional Gain	1	1	33
P-42	PI Integral Time	1	1	33
P-43	PI Operating Mode	0	0	33
P-44	PI Reference (Setpoint) Source	0	0	33
P-45	PI Digital Reference	0	0	33
P-46	PI Feedback Source	0	0	33
P-47	Analog Input 2 Signal Format	U 0-10	U 0-10	28
P-48	Standby Mode Timer	25	25	34
P-49	PI Error Wake Up Level	5	5	34
P-50	Relay Output Hysteresis	2	2	29

6.2.3. Advanced Parameters

Par.	Function			Page No.
P-51	Motor Control Mode	0	0	35
P-52	Auto-tune Enable	0	0	35
P-53	Vector Speed Control P-gain	50	50	35
P-54	Maximum Current Limit	110	110	34
P-55	Motor Stator Resistance	1.05	1.06	35
P-56	Motor Stator Inductance (d)	85	85	35
P-57	Motor Stator Inductance (q)	8.5	8.5	35
P-58	DC Injection Frequency / Speed	0	0	32
P-59	DC Injection Current	20	20	32
P-60	Overload Management	r1 01	r1 01	36
P-61	Ethernet Service Option	0	0	36
P-62	Ethernet Service Timeout	0	0	36
P-63	Modbus Mode Selection	0	0	36
P-64	IP66 DI1 Source			36
P-65	IP66 DI2 Source			36