YILMAZ
REDÜKTÖR

YE8000 Expert Serie AC Drives

Closed Loop Vector Control

THE POWER IS
IN YOUR HANDS

CE ISO9001

List of Function Parameters

If PP.00 is set to a non-zero number, parameter protection is enabled. You must enter the correct user password to enter the menu. To cancel the password protection function, enter with password and set PP.00 to 0.
Group P and Group C are standard function parameters. Group D includes the monitoring function parameters.
The symbols in the function code table are described as follows:
"☆": The parameter can be modified when the AC drive is in either stop or running state.
"★": The parameter cannot be modified when the AC drive is in the running state.
"●": The parameter is the actually measured value and cannot be modified.
"*": The parameter is factory parameter and can be set only by the manufacturer.
Standard Function Parameters

Function Code	Parameter Name	Setting Range	Default	Property
Group P0: Standard Function Parameters				
P0.00	G/P type display	1: G type (constant torque load) 2: P type (variable torque load e.g. fan and pump)	Model dependent	★
P0.01	Control mode selection	0: Voltage/Frequency (V/F) control 1: Sensorless flux vector control (SFVC) 2: Closed-loop vector control (CLVC)	0	★
P0.02	Command source selection	0: Operation panel control (LED off) 1: Terminal control (LED on) 2: Communication control (LED linking)	0	☆

Function Code	Parameter Name	Setting Range	Default	Property
P0.03	Frequency source selection	Unit's digit (Frequency source) 0: Main frequency source X 1: X and Y operation(operation relationship determined by ten's digit) 2: Switchover between X and Y 3: Switchover between X and "X and Y operation" 4: Switchover between Y and "X and Y operation" Ten's digit (X and Y operation) 0: X+Y 1: X-Y 2: Maximum 3: Minimum	00	☆
P0.04	Main frequency source X selection	0: Digital setting (P0.10 preset frequency, can modify the UP/DOWN, power lost don't memory) 1: Digital setting (P0.10 preset frequency, can modify the UP/DOWN, power lost memory) 2: FIV 3: FIC 4: reserved 5: Pulse setting (X5) 6: Multistage instruction 7: Simple PLC 8: PID	0	★
P0.05	Auxiliary frequency source Y selection	The same as P0.04 (Main frequency source X selection)	0	★
P0.06	Auxiliary frequency source superposition Y range selection	0: Relative to the maximum frequency 1: Relative to the main frequency source X	0	☆
P0.07	Auxiliary frequency source superposition Y range	0%~150%	100%	☆
P0.08	Acceleration time 1	0.00s~65000s	Model dependent	☆

Function Code	Parameter Name	Setting Range	Default	Property
P0.09	Deceleration time 1	0.00s~65000s	Model dependent	☆
P0.10	Frequency preset	0.00Hz~maximum frequency	50.00Hz	☆
P0.11	Rotation direction	0: Same direction 1: Reverse direction	0	☆
P0.12	Maximum frequency	50.00Hz~320.00Hz	50.00Hz	★
P0.13	Upper limit frequency source	0: P0.12 1: FIV 2: FIC 3: reserved 4: PULSE settings 5: communication settings	0	★
P0.14	Upper limit frequency	Frequency lower limit P0.16~Maximum frequency P0.10	50.00Hz	☆
P0.15	Upper limit frequency offset	0.00Hz~Maximum frequency P0.12	0.00Hz	☆
P0.16	Frequency lower limit	0.00Hz~Upper limit frequency P0.14	0.00Hz	☆
P0.17	Carrier frequency	0.5kHz~16.0kHz	Model dependent	☆
P0.18	Carrier frequency adjustment with temperature	0: No 1: Yes	1	☆
P0.19	Acceleration/ Deceleration time unit	0: 1s 1: 0.1s 2: 0.01s	1	★
P0.21	Frequency offset of auxiliary frequency source for X and Y operation	0.00Hz~Maximum frequency P0.12	0.00Hz	☆
P0.22	Frequency reference	1:0.1Hz 2:0.01Hz	2	★
P0.23	Retentive of digital setting frequency upon power	0:Not retentive 1:Retentive	0	☆

Function Code	Parameter Name	Setting Range	Default	Property
P0.24	Acceleration/ Deceleration time base frequency	0:Maximum frequency (P0.12) 1:Set frequency 2:100Hz	0	★
P0.25	Base frequency for UP/DOWN modification during running	0: Running frequency 1: Set frequency	0	★
P0.26	Binding command source to frequency source	Unit's digit:Binding operation panel command to frequency source 0:No binding 1:Frequency source by digital setting 2:FIV 3: FIC 4:reserved 5: Pulse setting (X5) 6:Multi-reference 7:Simple PLC 8:PID 9:Communication setting Ten's digit:Binding terminal command to frequency source (0~9. same as unit's digit) Hundred's digit:Binding communication command to frequency source (0~9. same as unit's digit)	000	☆
P0.27	Communication expansion card type	0:Modbus communication card 1:Profibus-DP communication card 2:CAN communication card 3:CANlink communication card	0	☆
Group P1:Start/Stop Control				
P1.00	Start mode	0: direct start 1: Rotational speed tracking restart 2: Pre-excited start (asynchronous motor)	0	☆
P1.01	Rotational speed tracking mode	0: From frequency at stop 1: From zero speed 2: From maximum frequency	0	★
P1.02	Rotational speed tracking speed	1~100	20	☆

Function Code	Parameter Name	Setting Range	Default	Property
P1.03	Startup frequency	0.00Hz~10.00Hz	0.00Hz	☆
P1.04	Startup frequency holding time	0.0s~100.0s	0.0s	★
P1.05	Startup DC braking current/ Pre-excited current	0%~100%	0%	★
P1.06	Startup DC braking time/ Pre-excited time	0.0s~100.0s	0.0s	★
P1.07	Acceleration/ Deceleration mode	0: Linear acceleration/ deceleration 1: S-curve acceleration/ deceleration A 2: S-curve acceleration/ deceleration B	0	★
P1.08	Time proportion of S-curve start segment	0.0%~ (100.0%-P1.09)	30.0%	★
P1.09	Time proportion of S-curve end segment	0.0%~ (100.0%-P1.08)	30.0%	★
P1.10	Stop mode	0: Decelerate to stop 1: Coast to stop	0	☆
P1.11	Initial frequency of stop DC braking	0.00Hz~maximum frequency	0.00Hz	☆
P1.12	Waiting time of stop DC braking	0.0s~100.0s	0.0s	☆
P1.13	Stop DC braking current	0%~100%	0%	☆
P1.14	Stop DC braking time	0.0s~100.0s	0.0s	☆
P1.15	Brake use ratio	0%~100%	100%	☆
Group P2: Motor Parameters				
P2.00	Motor type selection	0: Common asynchronous motor 1: Variable frequency asynchronous motor 2: Permanent magnetic synchronous motor	0	★

Function Code	Parameter Name	Setting Range	Default	Property
P2.01	Rated motor power	0.1kW~1000.0kW	Model dependent	★
P2.02	Rated motor voltage	1V~2000V	Model dependent	★
P2.03	Rated motor current	0.01A~655.35A (AC drive power<=55kW) 0.1A~6553.5A (AC drive power>55kW)	Model dependent	★
P2.04	Rated motor frequency	0.01Hz~maximum frequency	Model dependent	★
P2.05	Rated motor rotational speed	1rpm~65535rpm	Model dependent	★
P2.06	Stator resistance (asynchronous motor)	0.001Ω~65.535Ω (AC drive power<=55kW) 0.0001Ω~6.5535Ω (AC drive power>55kW)	Model dependent	★
P2.07	Rotor resistance (asynchronous motor)	0.001Ω~65.535Ω (AC drive power<=55kW) 0.0001Ω~6.5535Ω (AC drive power>55kW)	Model dependent	★
P2.08	Leakage inductive reactance (asynchronous	0.01mH~655.35mH (AC drive power<=55kW) 0.001mH~65.535mH (AC drive power>55kW)	Model dependent	★
P2.09	No-load current (asynchronous motor)	0.1mH~6553.5mH (AC drive power<=55kW) 0.01mH~655.35mH (AC drive power>55kW)	Model dependent	★
P2.10	Stator resistance (synchronous motor)	0.01A~P2.03 (AC drive power<=55kW) 0.1A~P2.03 (AC drive power>55kW)	Model dependent	★
P2.16	Shaft D inductance (synchronous motor)	0.001Ω~65.535Ω (AC drive power<=55kW) 0.0001Ω~6.5535Ω (AC drive power>55kW)	Model dependent	★
P2.17	Shaft Q inductance (synchronous motor)	0.01mH~655.35mH (AC drive power<=55kW) 0.001mH~65.535mH (AC drive power>55kW)	Model dependent	★
P2.18	Shaft Q inductance (synchronous motor)	0.01mH~655.35mH (AC drive power<=55kW) 0.001mH~65.535mH (AC drive power>55kW)	Model dependent	★

Function Code	Parameter Name	Setting Range	Default	Property
P2.20	Back EMF (synchronous motor)	0.1V~6553.5V	Model dependent	★
P2.27	Encoder pulses per revolution	1~65535	1024	★
P2.28	Encoder type	0: ABZ incremental encoder 1: UVW incremental encoder 2: Resolver 3: SIN/COS encoder 4: Wire-saving UVW encoder	2	★
P2.30	ABZ phase sequence of ABZ encoder	0: Forward 1: Reverse	0	★
P2.31	Encoder installation angle	0.0~359.9°	0.0°	★
P2.32	UVW phase sequence of UVW encoder	0: Forward 1: Reverse	0	★
P2.33	UVW encoder angle offset	0.0~359.9°	0.0°	★
P2.34	Number of pole pairs of resolver	1~65535	1	★
P2.36	Encoder wire-break fault detection time	0.0: No action 0.1s~10.0s	0.0	★
P2.37	Auto-tuning selection	0: No auto-tuning 1: Asynchronous motor static auto-tuning 2: Asynchronous motor complete auto-tuning 3: Synchronous motor with-load auto-tuning 4: Synchronous motor no-load auto-tuning	0	★
Group P3: Vector Control Parameters				
P3.00	Speed loop proportional gain 1	1~100	30	☆
P3.01	Speed loop integral time 1	0.01s~10.00s	0.50s	☆
P3.02	Switchover frequency 1	0.00~P3.05	5.00Hz	☆

Function Code	Parameter Name	Setting Range	Default	Property
P3.03	Speed loop proportional gain 2	1~100	20	☆
P3.04	Speed loop integral time 2	0.01s~10.00s	1.00s	☆
P3.05	Switchover frequency 2	P3.02~maximum output frequency	10.00Hz	☆
P3.06	Vector control slip gain	50%~200%	100%	☆
P3.07	Time constant of speed loop filter	0.000s~0.100s	0.000s	☆
P3.08	Vector control over-excitation gain	0~200	64	☆
P3.09	Torque upper limit source in speed control mode	0: P3.10 1: FIV 2: FIC 3: reserved 4: Pulse setting 5: Communication setting 6: MIN (FIV,FIC) 7: MAX (FIV,FIC)	0	☆
P3.10	digital setting of torque upper limit in speed control mode	0.0%~200.0%	150.0%	☆
P3.13	Excitation adjustment proportional gain	0~60000	2000	☆
P3.14	Excitation adjustment integral gain	0~60000	1300	☆
P3.15	Torque adjustment proportional gain	0~60000	2000	☆
P3.16	Torque adjustment Integral gain	0~60000	1300	☆
P3.17	Speed loop integral property	Unit's digit: integral separation 0: Disabled 1: Enabled	0	☆

Function Code	Parameter Name	Setting Range	Default	Property
P3.18	Field weakening mode of synchronous motor	0:No field weakening 1:direct calculation 2:Automatic adjustment	1	☆
P3.19	Field weakening depth of synchronous motor	50%~500%	100%	☆
P3.20	Maximum field weakening current	1%~300%	50%	☆
P3.21	Field weakening automatic adjustment gain	10%~500%	100%	☆
P3.22	Field weakening integral multiple	2~10	2	☆
Group P4: V/F Control Parameters				
P4.00	V/F curve setting	0: Linear V/F 1: Multi-point V/F 2: Square V/F 3: 1.2-power V/F 4: 1.4-power V/F 6: 1.6-power V/F 8: 1.8-power V/F 9: Reserved 10: V/F complete separation 11: V/F half separation	0	★
P4.01	Torque boost	0.0%: (fixed torque boost) 0.1%~30.0%	Model dependent	☆
P4.02	Cut-off frequency of torque boost	0.00Hz~maximum output frequency	50.00Hz	★
P4.03	Multi-point V/F frequency 1 (F1)	0.00Hz~P4.05	0.00Hz	★
P4.04	Multi-point V/F voltage 1 (V1)	0.0%~100.0%	0.0%	★
P4.05	Multi-point V/F frequency 2 (F2)	P4.03~P4.07	0.00Hz	★

Function Code	Parameter Name	Setting Range	Default	Property
P4.06	Multi-point V/F voltage 2 (V2)	0.0%~100.0%	0.0%	★
P4.07	Multi-point V/F frequency 3 (F3)	P4.05~rated motor frequency (P1.04)	0.00Hz	★
P4.08	Multi-point V/F voltage 3 (V3)	0.0%~100.0%	0.0%	★
P4.09	V/F slip compensation gain	0.0%~200.0%	0.0%	☆
P4.10	V/F over-excitation gain	0~200	64	☆
P4.11	V/F oscillation suppression gain	0~100	Model dependent	☆
P4.13	Voltage source for V/F separation	0: digital setting (P4.14) 1: FIV 2: FIC 3: reserved 4: PULSE setting (X5) 5: Multi-reference 6: Simple PLC 7: PID 8: Communication setting 100.0% corresponds to the rated motor voltage.	0	☆
P4.14	Voltage digital setting for V/F separation	0V~rated motor voltage	0V	☆
P4.15	Voltage rise time of V/F separation	0.0s~1000.0s It indicates the time for the voltage rising from 0 V to rated motor voltage.	0.0s	☆
P4.16	Voltage decline time of V/F separation	0.0s~1000.0s It indicates the time for the voltage to decline from rated motor voltage to 0 V.		

Function Code	Parameter Name	Setting Range	Default	Property
Group P5: Input Terminals				
P5.00	X1 function selection	0: No function 1: Forward RUN (FWD) 2: Reverse RUN (REV) 3: Three-line control 4: Forward JOG (FJOG) 5: Reverse JOG (RJOG) 6: Terminal UP 7: Terminal DOWN 8: Coast to stop 9: Fault reset (RESET) 10: RUN pause 11: Normally open (NO) input of external fault 12: Multi-reference terminal 1 13: Multi-reference terminal 2 14: Multi-reference terminal 3 15: Multi-reference terminal 4 16: Terminal 1 for acceleration/ deceleration time selection 17: Terminal 2 for acceleration/ deceleration time selection 18: Frequency source Switchover 19: UP and DOWN setting clear (terminal, operation panel) 20: Command source switchover terminal 21: Acceleration/Deceleration Prohibited 22: PID pause 23: PLC status reset 24: Swing pause 25: Counter input 26: Counter reset 27: Length count input 28: Length reset 29: Torque control prohibited 30: Pulse input (enabled only for X5) 31: Reserved 32: Immediate DC braking 33: Normally closed (NC) input of external fault 34: Frequency modification forbidden 35: Reverse PID action direction	1	★
P5.01	X2 function selection		4	★
P5.02	X3 function selection		9	★
P5.03	X4 function selection		12	★

Function Code	Parameter Name	Setting Range	Default	Property
P5.04	X5 function selection	36: External STOP terminal 1 37: Command source switchover terminal 2 38: PID integral pause 39: Switchover between main frequency source X and preset frequency 40: Switchover between auxiliary frequency source Y and preset frequency 41: reserved 42: reserved 43: PID parameter switchover 44: reserved 45: reserved 46: Speed control/Torque control switchover 47: Emergency stop 48: External STOP terminal 2 49: Deceleration DC braking 50: Clear the current running time 51-59:Reserved	13	★
P5.05	X6 function selection		0	★
P5.06	X7 function selection		0	★
P5.07	X8 function selection		0	★
P5.08	reserved			
P5.09	reserved			
P5.10	X filter time	0.000s~1.000s	0.010s	☆
P5.11	Terminal command mode	0: Two-line mode 1 1: Two-line mode 2 2: Three-line mode 1 3: Three-line mode 2	0	★
P5.12	Terminal UP/ DOWN rate	0.001Hz/s~65.535Hz/s	1.00Hz/s	☆
P5.13	FI curve 1 minimum input	0.00V~P5.15	0.00V	☆
P5.14	Corresponding setting of FI curve 1 minimum input	-100.0%~+100.0%	0.0%	☆
P5.15	FI curve 1 maximum input	P5.13~+10.00V	10.00V	☆
P5.16	Corresponding setting of FI curve 1 maximum input	-100.0%~+100.0%	100.0%	☆
P5.17	FI curve 1 filter time	0.00s~10.00s	0.10s	☆
P5.18	FI curve 2 minimum input	0.00V~P5.20	0.00V	☆

Function Code	Parameter Name	Setting Range	Default	Property
P5.19	Corresponding setting of FI curve 2 minimum input	-100.0%~+100.0%	0.0%	☆
P5.20	FI curve 2 maximum input	P5.18~+10.00V	10.00V	☆
P5.21	Corresponding setting of FI curve 2 maximum input	-100.0%~+100.0%	100.0%	☆
P5.22	FI curve 2 filter time	0.00s~10.00s	0.10s	☆
P5.23	FI curve 3 minimum input	-10.00V~P5.25	0V	☆
P5.24	Corresponding setting of FI curve 3 minimum input	-100.0%~+100.0%	0.0%	☆
P5.25	FI curve 3 maximum input	P5.23~+10.00V	10.00V	☆
P5.26	Corresponding setting of FI curve 3 maximum input	-100.0%~+100.0%	100.0%	☆
P5.27	FI curve 3 filter time	0.00s~10.00s	0.10s	☆
P5.28	PULSE minimum input	0.00kHz~P5.30	0.00kHz	☆
P5.29	Corresponding setting of pulse minimum input	-100.0%~100.0%	0.0%	☆
P5.30	PULSE maximum input	P5.28~100.00kHz	50.00kHz	☆
P5.31	Corresponding setting of pulse maximum input	-100.0%~100.0%	100.0%	☆
P5.32	PULSE filter time	0.00s~10.00s	0.10s	☆

Function Code	Parameter Name	Setting Range	Default	Property
P5.33	FI curve selection	Unit's digit: FIV curve selection 1: Curve 1 (2 points, see P5.13~P5.16) 2: Curve 2 (2 points, see P5.18~P5.21) 3: Curve 3 (2 points, see P5.23~P5.26) 4: Curve 4 (4 points, see C6.00~C6.07) 5: Curve 5 (4 points, see C6.08~C6.15) Ten's digit: FIC curve selection (1~5, same as FIV) Hundred's digit: reserved	321	☆
P5.34	Setting for FI less than minimum input	Unit's digit:Setting for FIV less than minimum input 0:Minimum value 1:0.0% Ten's digit: Setting for FIC less than minimum input (0~1, same as FIV) Hundred's digit: reserved	000	☆
P5.35	X1 delay time	0.0s~3600.0s	0.0s	☆
P5.36	X2 delay time	0.0s~3600.0s	0.0s	☆
P5.37	X3 delay time	0.0s~3600.0s	0.0s	☆
P5.38	X valid mode selection 1	0: High level valid 1: Low level valid Unit's digit: X1 Ten's digit: X2 Hundred's digit: X3 Thousand's digit: X4 Ten thousand's digit: X5	00000	★
P5.39	X valid mode selection 2	0: High level valid 1: Low level valid Unit's digit: X6 Ten's digit: X7 Hundred's digit: X8 Thousand's digit: reserved Ten thousand's digit: reserved	00000	★
Group P6: Output Terminals				
P6.00	YO terminal output mode	0: Pulse output (YO-P) 1: Switch signal output (YO-R)	0	☆

Function Code	Parameter Name	Setting Range	Default	Property
P6.01	YO-R function (open-collector output terminal)	0: No output 1: AC drive running 2: Fault output (stop) 3: Frequency-level detection FDT1 output 4: Frequency reached 5: Zero-speed running(no output at stop) 6: Motor overload pre-warning 7: AC drive overload pre-warning 8: Set count value Reached 9: Designated count value reached 10: Length reached 11: PLC cycle complete 12: Accumulative running time reached 13: Frequency limited 14: Torque limited 15: Ready for RUN 16: FIV>FIC 17: Frequency upper limit reached 18: Frequency lower limit reached (no output at stop) 19: Under voltage state output 20: Communication setting 21: Reserved 22: Reserved 23: Zero-speed running 2 (having output at stop) 24: Accumulative power-on time reached 25: Frequency level detection FDT2 output 26: Frequency 1 reached 27: Frequency 2 reached 28: Current 1 reached 29: Current 2 reached 30: Timing reached 31: FIV input limit exceeded 32: Load becoming 0 33: Reverse running 34: Zero current state 35: Module temperature reached 36: Software current limit exceeded	0	☆
P6.02	Relay output function (YA-YB-YC)		2	☆
P6.03	Relay output function (RA-RB-RC)		0	☆

Function Code	Parameter Name	Setting Range	Default	Property
P6.04	reserved	37: Frequency lower limit reached (having output at stop) 38: Alarm output 39: Motor overheat warning 40: Current running time reached		
P6.05	reserved			
P6.06	YO-P function selection	0: Running frequency 1: Set frequency 2: Output current 3: Output torque 4: Output power 5: Output voltage 6: Pulse input (100.0% for 100.0kHz) 7: FIV 8: FIC 9: reserved 10: Length 11: Count value 12: Communication setting 13: Motor rotational speed 14: Output current (100.0% for 1000.0A) 15: Output voltage (100.0% for 1000.0V) 16: Reserved	0	☆
P6.07	FOV function selection		0	☆
P6.08	FOC function selection		1	☆
P6.09	Maximum YO-P output frequency	0.01kHz~100.00kHz	50.00kHz	☆
P6.10	FOV offset coeffcient	-100.0%~+100.0%	0.0%	☆
P6.11	FOV gain	-10.00~+10.00	1.00	☆
P6.12	FOC offset coeffcient	-100.0%~+100.0%	0.0%	☆
P6.13	FOC gain	-10.00~+10.00	1.00	☆
P6.17	YO-R output delay time	0.0s~3600.0s	0.0s	☆
P6.18	YA-YB-YC output delay time	0.0s~3600.0s	0.0s	☆
P6.19	RA-RB-RC output delay time	0.0s~3600.0s	0.0s	☆
P6.20	reserved			
P6.21	reserved			

Function Code	Parameter Name	Setting Range	Default	Property
P6.22	YO valid mode selection	0: Positive logic 1: Negative logic Unit's digit: YOR Ten's digit: YA-YB-YC Hundred's digit: RA-RB-RC	00000	☆
Group P7: Operation Panel and Display				
P7.00	Power factor correction	0.0-200.0	100.0	☆
P7.01	JOG key function selection	0: JOG key disabled 1: Switchover between operation panel control and remote command control (terminal or communication) 2: Switchover between forward rotation and reverse rotation 3: Forward JOG 4: Reverse JOG	0	★
P7.02	STOP/RESET key function	0: STOP/RESET key enabled only in operation panel control 1: STOP/RESET key enabled in any operation mode	1	☆
P7.03	LED display running parameters 1	0000–FFFF Bit00: Running frequency 1 (Hz) Bit01: Set frequency (Hz) Bit02: Bus voltage (V) Bit03: Output voltage (V) Bit04: Output current (A) Bit05: Output power (kW) Bit06: Output torque (%) Bit07: X input status Bit08: YO output status Bit09:FIV voltage (V) Bit10: FIC voltage (V) Bit11: reserved Bit12: Count value Bit13: Length value Bit14: Load speed display Bit15: PID setting	1F	☆

Function Code	Parameter Name	Setting Range	Default	Property
P7.04	LED display running parameters 2	0000–FFFF Bit00: PID feedback Bit01: PLC stage Bit02: Pulse setting frequency(kHz) Bit03: Running frequency 2 (Hz) Bit04: Remaining running time Bit05: FIV voltage before correction (V) Bit06: FIC voltage before correction (V) Bit07: reserved Bit08: Linear speed Bit09: Current power-on time(Hour) Bit10: Current running time (Min) Bit11: Pulse setting frequency(Hz) Bit12: Communication setting value Bit13: Encoder feedback speed(Hz) Bit14: Main frequency X display(Hz) Bit15:Auxiliary frequency Y display (Hz)	0	☆
P7.05	LED display stop parameters	0000–FFFF Bit00: Set frequency (Hz) Bit01: Bus voltage (V) Bit02: X input status Bit03: YO output status Bit04: FIV voltage (V) Bit05: FIC voltage (V) Bit06: reserved Bit07: Count value Bit08: Length value Bit09: PLC stage Bit10: Load speed Bit11: PID setting Bit12: Pulse setting frequency(kHz)	33	☆
P7.06	Load speed display coeffcient	0.0001~6.5000	1.0000	☆

Function Code	Parameter Name	Setting Range	Default	Property
P7.07	Heatsink temperature of inverter	0.0°C~150.0°C	-	●
P7.08	Temporary software version	0.0°C~150.0°C	-	●
P7.09	Accumulative running time	0h~65535h	-	●
P7.10	reserved	-	-	●
P7.11	Software version	-	-	●
P7.12	Number of decimal places for load speed display	0: 0 decimal place 1: 1 decimal place 2: 2 decimal places 3: 3 decimal places	1	☆
P7.13	Accumulative power-on time	0h~65535h	-	●
P7.14	Accumulative power consumption	0kW~65535kWh	-	●
Group P8: Auxiliary Functions				
P8.00	JOG running frequency	0.00Hz~maximum frequency	2.00Hz	☆
P8.01	JOG acceleration time	0.0s~6500.0s	20.0s	☆
P8.02	JOG deceleration time	0.0s~6500.0s	20.0s	☆
P8.03	Acceleration time 2	0.0s~6500.0s	Model dependent	☆
P8.04	Deceleration time 2	0.0s~6500.0s	Model dependent	☆
P8.05	Acceleration time 3	0.0s~6500.0s	Model dependent	☆
P8.06	Deceleration time 3	0.0s~6500.0s	Model dependent	☆
P8.07	Acceleration time 4	0.0s~6500.0s	Model dependent	☆
P8.08	Deceleration time 4	0.0s~6500.0s	Model dependent	☆
P8.09	Jump frequency 1	0.00Hz~maximum frequency	0.00Hz	☆

Function Code	Parameter Name	Setting Range	Default	Property
P8.10	Jump frequency 2	0.00Hz~maximum frequency	0.00Hz	☆
P8.11	Frequency jump amplitude	0.00Hz~maximum frequency	0.00Hz	☆
P8.12	Forward/ Reverse rotation dead-zone time	0.0s~3000.0s	0.0s	☆
P8.13	Reverse control	0: Enabled 1: Disabled	0	☆
P8.14	Running mode when set frequency lower than frequency lower limit	0: Run at frequency lower limit 1: Stop 2: Run at zero speed	0	☆
P8.15	Droop control	0.00Hz~10.00Hz	0.00Hz	☆
P8.16	Accumulative power-on time threshold	0h~65000h	0h	☆
P8.17	Accumulative running time threshold	0h~65000h	0h	☆
P8.18	Startup protection	0: No 1: Yes	0	☆
P8.19	Frequency detection value (FDT1)	0.00Hz~maximum frequency	50.00Hz	☆
P8.20	Frequency detection hysteresis (FDT1)	0.0%~100.0% (FDT1 level)	5.0%	☆
P8.21	Detection range of frequency reached	0.0%~100.0% (maximum frequency)	0.0%	☆
P8.22	Jump frequency during acceleration/ deceleration	0: Disabled 1: Enabled	1	☆
P8.25	Frequency switchover point between acceleration time 1 and acceleration time 2	0.00Hz~maximum frequency	0.00Hz	☆

Function Code	Parameter Name	Setting Range	Default	Property
P8.26	Frequency switchover point between deceleration time 1 and deceleration time 2	0.00Hz~maximum frequency	0.00Hz	☆
P8.27	Terminal JOG preferred	0: Disabled 1: Enabled	0	☆
P8.28	Frequency detection value (FDT2)	0.00Hz~maximum frequency	50.00Hz	☆
P8.29	Frequency detection hysteresis (FDT2)	0.0%~100.0% (FDT2 level)	5.0%	☆
P8.30	Any frequency reaching detection value 1	0.00Hz~maximum frequency	50.00Hz	☆
P8.31	Any frequency reaching detection amplitude 1	0.0%~100.0% (maximum frequency)	0.0%	☆
P8.32	Any frequency reaching detection value 2	0.00Hz~maximum frequency	50.00Hz	☆
P8.33	Any frequency reaching detection amplitude 2	0.0%~100.0% (maximum frequency)	0.0%	☆
P8.34	Zero current detection level	0.0%~300.0% 100.0% for rated motor current	5.0%	☆
P8.35	Zero current detection delay time	0.01s~600.00s	0.10s	☆
P8.36	Output over current threshold	0.0% (no detection) 0.1%~300.0% (rated motor current)	200.0%	☆
P8.37	Output over current detection delay time	0.00s~600.00s	0.00s	☆
P8.38	Any current reaching 1	0.0%~300.0% (rated motor current)	100.0%	☆

Function Code	Parameter Name	Setting Range	Default	Property
P8.39	Any current reaching 1 amplitude	0.0%~300.0% (rated motor current)	0.0%	☆
P8.40	Any current reaching 2	0.0%~300.0% (rated motor current)	100.0%	☆
P8.41	Any current reaching 2 amplitude	0.0%~300.0% (rated motor current)	0.0%	☆
P8.42	Timing function	0:Disabled 1:Enabled	0	★
P8.43	Timing duration source	0: P8.44 1: FIV 2: FIC 3: reserved 100% of analog input corresponds to the value of P8.44	0	★
P8.44	Timing duration	0.0Min~6500.0Min	0.0Min	★
P8.45	FIV input voltage lower limit	0.00V~P8.46	3.10V	☆
P8.46	FIV input voltage upper limit	P8.45~10.00V	6.80V	☆
P8.47	Module temperature threshold	0°C~150°C	100°C	☆
P8.48	Cooling fan control	0: Fan working during running 1: Fan working continuously	0	☆
P8.49	Wakeup frequency	Dormant frequency (P8.51) ~maximum frequency (P0.12)	0.00Hz	☆
P8.50	Wakeup delay time	0.0s~6500.0s	0.0s	☆
P8.51	Dormant frequency	0.00Hz~wakeup frequency (P8.49)	0.00Hz	☆
P8.52	Dormant delay time	0.0s~6500.0s	0.0s	☆
P8.53	Current running time reached	0.0Min~6500.0Min	0.0Min	★
Group P9: Fault and Protection				
P9.00	Motor overload protection selection	0: Disabled 1: Enabled	1	☆
P9.01	Motor overload protection gain	0.20~10.00	1.00	☆

Function Code	Parameter Name	Setting Range	Default	Property
P9.02	Motor overload warning coeffcient	50%~100%	80%	☆
P9.03	Overvoltage stall gain	0~100	10	☆
P9.04	Overvoltage stall protective voltage	120%~150%	130%	☆
P9.05	Over current stall gain	0~100	20	☆
P9.06	Over current stall protective current	100%~200%	150%	☆
P9.07	Short-circuit to ground upon power-on	0: Disabled 1: Enabled	1	☆
P9.09	Fault auto reset times	0~20	0	☆
P9.10	YO action during fault auto reset	0: Not act 1: Act	0	☆
P9.11	Time interval of fault auto reset	0.1s~100.0s	1.0s	☆
P9.12	Input phase loss protection selection	0: Disabled 1: Enabled	1	☆
P9.13	Output phase loss protection selection	0: Disabled 1: Enabled	1	☆

Function Code	Parameter Name	Setting Range	Default	Property
P9.14	1st fault type	0: No fault 1: Reserved 2: Overcurrent during acceleration 3: Overcurrent during deceleration 4: Overcurrent at constant speed 5: Overvoltage during acceleration 6: Overvoltage during deceleration 7: Overvoltage at constant speed 8: Buffer resistance overload 9: Undervoltage 10: AC drive overload 11: Motor overload 12:Power input phase loss 13: Power output phase loss 14: Module overheat 15: External equipment fault 16: Communication fault 17: Contactor fault 18: Current detection fault 19: Motor auto-tuning fault 20: Encoder/PG card fault 21: EEPROM read-write fault 22: AC drive hardware fault 23: Short circuit to ground 24: Reserved 25: Reserved 26: Accumulative running time reached 27: reserved 28: reserved 29: Accumulative power-on time reached 30: Load becoming 0 31: PID feedback lost during running 40: With-wave current limit fault 41: Motor switchover fault during running 42: Too large speed deviation 43: Motor over-speed 45: reserved 51: Initial position fault		●
P9.15	2nd fault type		-	●
P9.16	3rd (latest) fault type		-	●

Function Code	Parameter Name	Setting Range	Default	Property
P9.17	Frequency upon 3rd fault	-	-	●
P9.18	Current upon 3rd fault	-	-	●
P9.19	Bus voltage upon 3rd fault	-	-	●
P9.20	Input terminal status upon 3rd fault	-	-	●
P9.21	Output terminal status upon 3rd fault	-	-	●
P9.22	AC drive status upon 3rd fault	-	-	●
P9.23	Power-on time upon 3rd fault	-	-	●
P9.24	Running time upon 3rd fault	-	-	●
P9.27	Frequency upon 2nd fault	-	-	●
P9.28	Current upon 2nd fault	-	-	●
P9.29	Bus voltage upon 2nd fault	-	-	●
P9.30	X status upon 2nd fault	-	-	●
P9.31	Output terminal status upon 2nd fault	-	-	●
P9.32	Frequency upon 2nd fault	-	-	●
P9.33	Current upon 2nd fault	-	-	●
P9.34	Bus voltage upon 2nd fault	-	-	●
P9.37	X status upon 1st fault	-	-	●
P9.38	Output terminal status upon 1st fault	-	-	●
P9.39	Frequency upon 1st fault	-	-	●
P9.40	Current upon 1st fault	-	-	●

Function Code	Parameter Name	Setting Range	Default	Property
P9.41	Bus voltage upon 3rd fault	-	-	●
P9.42	X status upon 1st fault	-	-	●
P9.43	Output terminal status upon 1st fault	-	-	●
P9.44	Frequency upon 1st fault	-	-	●
P9.47	Fault protection action selection 1	Unit's digit: Motor overload (OL1) 0: Coast to stop 1: Stop according to the stop mode 2: Continue to run Ten's digit: Power input phase loss (LI) Hundred's digit: Power output phase loss (LO) Thousand's digit: External equipment fault (EF) Ten thousand's digit: Communication fault (CE)	00000	☆
P9.48	Fault protection action selection 2	Unit's digit: Encoder fault (PG) 0: Coast to stop Ten's digit: EEPROM read-write fault (EEP) 0: Coast to stop 1: Stop according to the stop mode Hundred's digit: reserved Thousand's digit: reserved Ten thousand's digit: Accumulative running time reached (END1)	00000	☆

Function Code	Parameter Name	Setting Range	Default	Property
P9.49	Fault protection action selection 3	Unit's digit: reserved 0: Coast to stop 1: Stop according to the stop mode 2: Continue to run Ten's digit: reserved 0: Coast to stop 1: Stop according to the stop mode 2: Continue to run Hundred's digit: Accumulative power-on time reached (END2) 0: Coast to stop 1: Stop according to the stop mode 2: Continue to run Thousand's digit: Load becoming 0 0: Coast to stop 1: Stop according to the stop mode 2: Continue to run at 7% of rated motor frequency and resume to the set frequency if the load recovers 0: Coast to stop 1: Stop according to the stop mode 2: Continue to run	00000	☆
P9.50	Fault protection action selection 4	Unit's digit: Too large speed deviation (ESP) 0: Coast to stop 1: Stop according to the stop mode 2: Continue to run Ten's digit: Motor over-speed (OSP) Hundred's digit: Initial position fault (INI)	00000	☆
P9.54	Frequency selection for continuing to run	0: Current running frequency 1: Set frequency 2: Frequency upper limit 3: Frequency lower limit 4: Backup frequency upon abnormality	0	☆

Function Code	Parameter Name	Setting Range	Default	Property
P9.55	Backup frequency upon abnormality	60.0%~100.0%	100.0%	☆
P9.56	reserved			☆
P9.57	reserved			☆
P9.58	reserved			☆
P9.59	Action selection at instantaneous power failure	0: Invalid 1: Decelerate 2: Decelerate to stop	0	☆
P9.60	Action pause judging voltage at instantaneous power failure	0.0%~100.0%	90.0%	☆
P9.61	Voltage rally judging time at instantaneous power failure	0.00s~100.00s	0.50s	☆
P9.62	Action judging voltage at instantaneous power failure	60.0%~100.0% (standard bus voltage)	80.0%	☆
P9.63	Protection upon load becoming 0	0: Disabled 1: Enabled	0	☆
P9.64	Detection level of load becoming 0	0.0~100.0%	10.0%	☆
P9.65	Detection time of load becoming 0	0.0~60.0s	1.0s	☆
P9.67	Over-speed detection value	0.0%~50.0% (maximum frequency)	20.0%	☆
P9.68	Over-speed detection time	0.0s~60.0s	1.0s	☆
P9.69	Detection value of too large speed deviation	0.0%~50.0% (maximum frequency)	20.0%	☆
P9.70	Detection time of too large speed deviation	0.0s~60.0s	5.0s	☆

Function Code	Parameter Name	Setting Range	Default	Property
Group PA: Process Control PID Function				
PA.00	PID setting source	0: PA.01 1: FIV 2: FIC 3: reserved 4: PULSE setting (X5) 5: Communication setting 6: Multi-reference	0	☆
PA.01	PID digital setting	0.0%~100.0%	50.0%	☆
PA.02	PID feedback source	0: FIV 1: FIC 2: reserved 3: FIV-FIC 4: PULSE setting (X5) 5: Communication setting 6: FIV+FIC 7: MAX (|FIV|, |FIC|) 8: MIN (|FIV|, |FIC|)	0	☆
PA.03	PID action direction	0: Forward action 1: Reverse action	0	☆
PA.04	PID setting feedback range	0~65535	1000	☆
PA.05	Proportional gain Kp1	0.0~100.0	20.0	☆
PA.06	Integral time Ti1	0.01s~10.00s	2.00s	☆
PA.07	Differential time Td1	0.000s~10.000s	0.000s	☆
PA.08	Cut-off frequency of PID reverse rotation	0.00~maximum frequency	2.00Hz	☆
PA.09	PID deviation limit	0.0%~100.0%	0.0%	☆
PA.10	PID differential limit	0.00%~100.00%	0.10%	☆
PA.11	PID setting change time	0.00~650.00s	0.00s	☆
PA.12	PID feedback filter time	0.00~60.00s	0.00s	☆
PA.13	PID output filter time	0.00~60.00s	0.00s	☆
PA.14	reserved	-	-	☆

Function Code	Parameter Name	Setting Range	Default	Property
PA.15	Proportional gain Kp2	0.0~100.0	20.0	☆
PA.16	Integral time Ti2	0.01s~10.00s	2.00s	☆
PA.17	Differential time Td2	0.000s~10.000s	0.000s	☆
PA.18	PID parameter switchover condition	0: No switchover 1: Switchover via X 2: Automatic switchover based on deviation	0	☆
PA.19	PID parameter switchover deviation 1	0.0%~PA.20	20.0%	☆
PA.20	PID parameter switchover deviation 2	PA.19~100.0%	80.0%	☆
PA.21	PID initial value	0.0%~100.0%	0.0%	☆
PA.22	PID initial value holding time	0.00~650.00s	0.00s	☆
PA.23	Maximum deviation between two PID outputs in forward	0.00%~100.00%	1.00%	☆
PA.24	Maximum deviation between two PID outputs in reverse	0.00%~100.00%	1.00%	☆
PA.25	PID integral property	Unit's digit: Integral separated 0: Invalid 1: Valid Ten's digit: Whether to stop integral operation when the output reaches 0: Continue integral operation 1: Stop integral operation	00	☆
PA.26	Detection value of PID feedback loss	0.0%: Not judging feedback loss 0.1%~100.0%	0.0%	☆
PA.27	Detection time of PID feedback loss	0.0s~20.0s	0.0s	☆
PA.28	PID operation at stop	0: No PID operation at stop 1: PID operation at stop	0	☆

Function Code	Parameter Name	Setting Range	Default	Property
Group Pb: Swing Frequency, Fixed Length and Count				
Pb.00	Swing frequency setting mode	0: Relative to the central frequency 1: Relative to the maximum frequency	0	☆
Pb.01	Swing frequency amplitude	0.0%~100.0%	0.0%	☆
Pb.02	Jump frequency amplitude	0.0%~50.0%	0.0%	☆
Pb.03	Swing frequency cycle	0.1s~3000.0s	10.0s	☆
Pb.04	Triangular wave rising time coefficient	0.1%~100.0%	50.0%	☆
Pb.05	Set length	0m~65535m	1000m	☆
Pb.06	Actual length	0m~65535m	0m	☆
Pb.07	Number of pulses per meter	0.1~6553.5	100.0	☆
Pb.08	Set count value	1~65535	1000	☆
Pb.09	Designated count value	1~65535	1000	☆
Group PC: Multi-Reference and Simple PLC Function				
PC.00	Reference 0	-100.0%~100.0%	0.0%	☆
PC.01	Reference 1	-100.0%~100.0%	0.0%	☆
PC.02	Reference 2	-100.0%~100.0%	0.0%	☆
PC.03	Reference 3	-100.0%~100.0%	0.0%	☆
PC.04	Reference 4	-100.0%~100.0%	0.0%	☆
PC.05	Reference 5	-100.0%~100.0%	0.0%	☆
PC.06	Reference 6	-100.0%~100.0%	0.0%	☆
PC.07	Reference 7	-100.0%~100.0%	0.0%	☆
PC.08	Reference 8	-100.0%~100.0%	0.0%	☆
PC.09	Reference 9	-100.0%~100.0%	0.0%	☆
PC.10	Reference10	-100.0%~100.0%	0.0%	☆
PC.11	Reference11	-100.0%~100.0%	0.0%	☆
PC.12	Reference12	-100.0%~100.0%	0.0%	☆
PC.13	Reference13	-100.0%~100.0%	0.0%	☆
PC.14	Reference14	-100.0%~100.0%	0.0%	☆
PC.15	Reference15	-100.0%~100.0%	0.0%	☆

Function Code	Parameter Name	Setting Range	Default	Property
PC.16	Simple PLC running mode	0: Stop after the AC drive runs one cycle 1: Keep final values after the AC drive runs one cycle 2: Repeat after the AC drive runs one cycle	0	☆
PC.17	Simple PLC retentive selection	Unit's digit: Retentive upon power failure 0: No 1: Yes Ten's digit: Retentive upon stop 0: No 1: Yes	00	☆
PC.20	Running time of simple PLC reference 1	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.21	Acceleration/ deceleration time of simple PLC reference 1	0~3	0	☆
PC.22	Running time of simple PLC reference 2	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.23	Acceleration/ deceleration time of simple PLC reference 2	0~3	0	☆
PC.24	Running time of simple PLC reference 3	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.25	Acceleration/ deceleration time of simple PLC reference 3	0~3	0	☆
PC.26	Running time of simple PLC reference 4	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.27	Acceleration/ deceleration time of simple PLC reference 4	0~3	0	☆

Function Code	Parameter Name	Setting Range	Default	Property
PC.28	Running time of simple PLC reference 5	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.29	Acceleration/ deceleration time of simple PLC reference 5	0~3	0	☆
PC.30	Running time of simple PLC reference 6	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.31	Acceleration/ deceleration time of simple PLC reference 6	0~3	0	☆
PC.32	Running time of simple PLC reference 7	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.33	Acceleration/ deceleration time of simple PLC reference 7	0~3	0	☆
PC.34	Running time of simple PLC reference 8	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.35	Acceleration/ deceleration time of simple PLC reference 8	0~3	0	☆
PC.36	Running time of simple PLC reference 9	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.37	Acceleration/ deceleration time of simple PLC reference 9	0~3	0	☆
PC.38	Running time of simple PLC reference 10	0.0s (h)~6500.0s (h)	0.0s (h)	☆

Function Code	Parameter Name	Setting Range	Default	Property
PC.39	Acceleration/ deceleration time of simple PLC reference 10	0~3	0	☆
PC.40	Running time of simple PLC reference 11	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.41	Acceleration/ deceleration time of simple PLC reference 11	0~3	0	☆
PC.42	Running time of simple PLC reference 12	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.43	Acceleration/ deceleration time of simple PLC reference 12	0~3	0	☆
PC.44	Running time of simple PLC reference 13	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.45	Acceleration/ deceleration time of simple PLC reference 13	0~3	0	☆
PC.46	Running time of simple PLC reference 14	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.47	Acceleration/ deceleration time of simple PLC reference 14	0~3	0	☆
PC.48	Running time of simple PLC reference 15	0.0s (h)~6500.0s (h)	0.0s (h)	☆
PC.49	Acceleration/ deceleration time of simple PLC reference 15	0~3	0	☆

Function Code	Parameter Name	Setting Range	Default	Property
PC.50	Time unit of simple PLC running	0: s (second) 1: h (hour)	0	☆
PC.51	Reference 0 source	0: Set by PC.00 1: FIV 2: FIC 3: reserved 4: PULSE setting 5: PID Set by preset frequency (P010), modified via terminal UP/DOWN	0	☆
Group PD: Communication Parameters				
PD.00	Baud rate	Unit's digit: MODBUS 0: 300BPS 1: 600BPS 2: 1200BPS 3: 2400BPS 4: 4800BPS 5: 9600BPS 6: 19200BPS 7: 38400BPS 8: 57600BPS 9: 115200BPS Ten's digit : reserved Hundred's digit: reserved Thousand's digit: reserved	0005	☆
PD.01	Data format	0: No check, data format <8,N,2> 1: Even parity check, data format<8,E,1> 2: Odd Parity check, data format<8,O,1> 3: No check, data format <8,N,1> Valid for Modbus	3	☆
PD.02	Local address	1~247, 0: Broadcast address	1	☆
PD.03	Response delay	0ms~20ms	2	☆
PD.04	Communication timeout	0.0 (invalid) , 0.1s~60.0s	0.0	☆
PD.05	Modbus protocol selection	Unit's digit: Modbus protocol 0: Non-standard Modbus protocol 1: Standard Modbus protocol Ten's digit: reserved	1	☆

Function Code	Parameter Name	Setting Range	Default	Property
PD.06	Communication reading current resolution	0: 0.01A 1: 0.1A	1	☆
Group PE: reserved				
Group PP: User-Defined Function Codes				
PP.00	User password	0~65535	0	☆
PP.01	Restore default settings	0: No operation 01: Restore factory settings except motor parameters 02: Clear records 04: Restore user backup parameters 501: Back up current user parameters	0	★
Group C0: Torque Control and Restricting Parameters				
C0.00	Speed/ Torque control selection	0: Speed control 1: Torque control	0	★
C0.01	Torque setting source in torque control	0: Digital setting (C0.03) 1: FIV 2: FIC 3: reserved 4: PULSE setting5: Communication setting 6: MIN (FIV,FIC) 7: MAX (FIV,FIC)	0	★
C0.03	Torque digital setting in	-200.0%~200.0%	150.0%	☆
C0.05	Forward maximum frequency in torque control	0.00Hz~maximum frequency	50.00Hz	☆
C0.06	Reverse maximum frequency in torque control	0.00Hz~maximum frequency	50.00Hz	☆
C0.07	Acceleration time in torque control	0.00s~650.00s	0.00s	★
C0.08	Deceleration time in torque control	0.00s~650.00s	0.00s	☆
Group C1-C4: reserved				

Function Code	Parameter Name	Setting Range	Default	Property
Group C5: Control Optimization Parameters				
C5.00	PWM switchover frequency upper limit	0.00Hz~15.00Hz	12.00Hz	☆
C5.01	PWM modulation mode	0: Asynchronous modulation 1: Synchronous modulation	0	☆
C5.02	Dead zone compensation mode selection	0: No compensation 1: Compensation mode 1 2: Compensation mode 2	1	☆
C5.03	Random PWM depth	0: Random PWM invalid 1–10	0	☆
C5.04	Rapid current limit	0: Disabled 1: Enabled	1	☆
C5.05	Current detection compensation	0~100	5	☆
C5.06	Undervoltage threshold	60.0%~140.0%	100.0%	☆
C5.07	SFVC optimization mode selection	0: No optimization 1: Optimization mode 1 2: Optimization mode 2	1	★
Group C6: FI Curve Setting(FI Is FIV or FIC)				
C6.00	FI curve 4 minimum input	0.00V~C6.02	0.00V	☆
C6.01	Corresponding setting of FI curve 4 minimum input	-100.0%~+100.0%	0.0%	☆
C6.02	FI curve 4 inflexion 1 input	C6.00~C6.04	3.00V	☆
C6.03	Corresponding setting of FI curve 4 inflexion 1 input	-100.0%~+100.0%	30.0%	☆
C6.04	FI curve 4 inflexion 2 input	C6.02~C6.06	6.00V	☆
C6.05	Corresponding setting of FI curve 4 inflexion 2 input	-100.0%~+100.0%	60.0%	☆
C6.06	FI curve 4 maximum input	C6.06~+10.00V	10.00V	☆

Function Code	Parameter Name	Setting Range	Default	Property
C6.07	Corresponding setting of FI curve 4 maximum input	-100.0%~+100.0%	100.0%	☆
C6.08	FI curve 5 minimum input	0.00V~C6.10	0.00V	☆
C6.09	Corresponding setting of FI curve 5 minimum input	-100.0%~+100.0%	0.0%	☆
C6.10	FI curve 5 inflexion 1 input	C6.08~C6.12	3.00V	☆
C6.11	Corresponding setting of FI curve 5 inflexion 1 input	-100.0%~+100.0%	30.0%	☆
C6.12	FI curve 5 inflexion 2 input	C6.10~C6.14	6.00V	☆
C6.13	Corresponding setting of FI curve 5 inflexion 2 input	-100.0%~+100.0%	60.0%	☆
C6.14	FI curve 5 maximum input	C6.12~+10.00V	10.00V	☆
C6.15	Corresponding setting of FI curve	-100.0%~+100.0%	100.0%	☆
C6.16	Jump point of FIV	-100.0%~100.0%	0.0%	☆
C6.17	Jump amplitude of FIV input	0.0%~100.0%	0.5%	☆
C6.18	Jump point of FIC input	-100.0%~100.0%	0.0%	☆
C6.19	Jump amplitude of FIC input	0.0%~100.0%	0.5%	☆
Group CC: FI/FO Correction				
CC.00	FIV measured voltage 1	0.500V~4.000V	Factory-corrected	☆
CC.01	FIV displayed voltage 1	0.500V~4.000V	Factory-corrected	☆
CC.02	FIV measured voltage 2	6.000V~9.999V	Factory-corrected	☆
CC.03	FIV displayed voltage 2	6.000V~9.999V	Factory-corrected	☆

Function Code	Parameter Name	Setting Range	Default	Property
CC.04	FIC measured voltage 1	0.500V~4.000V	Factory-corrected	☆
CC.05	FIC displayed voltage 1	0.500V~4.000V	Factory-corrected	☆
CC.06	FIC measured voltage 2	6.000V~9.999V	Factory-corrected	☆
CC.07	FIC displayed voltage 2	6.000V~9.999V	Factory-corrected	☆
CC.12	FOV target voltage 1	0.500V~4.000V	Factory-corrected	☆
CC.13	FOV measured voltage 1	0.500V~4.000V	Factory-corrected	☆
CC.14	FOV target voltage 2	6.000V~9.999V	Factory-corrected	☆
CC.15	FOV measured voltage 2	6.000V~9.999V	Factory-corrected	☆
CC.16	FOC target voltage 1	0.500V~4.000V	Factory-corrected	☆
CC.17	FOC measured voltage 1	0.500V~4.000V	Factory-corrected	☆
CC.18	FOC target voltage 2	6.000V~9.999V	Factory-corrected	☆
CC.19	FOC measured voltage 2	6.000V~9.999V	Factory-corrected	☆

Group D0: Monitoring Parameters

Function Code	Parameter Name	Unit
D0.00	Running frequency (Hz)	0.01Hz
D0.01	Set frequency (Hz)	0.01Hz
D0.02	Bus voltage (V)	0.1V
D0.03	Output voltage (V)	1V
D0.04	Output current (A)	0.01A
D0.05	Output power (kW)	0.1kW
D0.06	Output torque (%)	0.1%
D0.07	X input state	1
D0.08	YO output state	1
D0.09	FIV voltage (V)	0.01V
D0.10	FIC voltage (V)	0.01V
D0.11	reserved	
D0.12	Count value	1
D0.13	Length	1

Function Code	Parameter Name	Unit
D0.14	Load speed	1
D0.15	PID setting	1
D0.16	PID feedback	1
D0.17	PLCstage	1
D0.18	Input pulse frequency	0.01kHz
D0.19	Feedback speed	0.1Hz
D0.20	Remaining running time	0.1Min
D0.21	FIV voltage before correction	0.001V
D0.22	FIC voltage before correction	0.001V
D0.23	reserved	
D0.24	Linear speed	1m/Min
D0.25	On the current time	1Min
D0.26	The current running time	0.1Min
D0.27	Pulse input frequency	1Hz
D0.28	Communication setting value	0.01%
D0.29	Encoder feedback speed	0.01Hz
D0.30	Main frequency X	0.01Hz
D0.31	Auxiliary frequency Y	0.01Hz
D0.32	View any memory address values	1
D0.33	Synchronous motor rotor position	0.1°
D0.34	Motor temperature	1°C
D0.35	Target torque	0.1%
D0.36	Resolver position	1
D0.37	Power factor angle	0.1°
D0.38	ABZ position	1
D0.39	Target voltage upon V/F separation	1V
D0.40	Output voltage upon V/F separation	1V
D0.41	X state visual display	1
D0.42	YO state visual display	1
D0.43	X function state visual display 1	1
D0.44	X function state visual display 2	1
D0.45	Current fault code	0

YILMAZ REDÜKTÖR SANAYİ VE TİCARET A.Ş.
Atatürk Mah. Lozan Cad. No:17, 34522, Esenyurt
İstanbul - Turkey
Telephone: +90 212 886 90 00
Fax: +90 212 886 54 57
E-Posta: otomasyon@yr.com.tr