Standard Parameters: QD:E

STANDARD PARAMETERS QD:E

Par.	Description	Range	Default	Explanation
P-01	Maximum speed	P-02 to 5*P-09 (max 500Hz)	50Hz (60Hz)	Maximum speed limit – Hz or rpm. See P-10
P-02	Minimum speed	0 to P-01 (max 500Hz)	0Hz	Minimum speed limit – Hz or rpm. See P-10
P-03	Acceleration ramp time	0 to 600s	5s	Acceleration ramp time from 0 to base speed (P-09) in seconds.
P-04	Deceleration ramp time	0 to 600s	5s	Deceleration ramp time from base speed (P-09) to standstill in seconds. When P-04=0, the deceleration ramp is set by P-24. Setting P-04=0 also activates dynamic ramp control, where the ramp may be extended automatically to prevent an O-Volt trip.
P-05	Stop mode select	0: Ramp stop (brown-out ride-through) 1: Coast to stop 2: Ramp to stop (fast stop)	0	If the supply is lost and P-05=0 then the drive will try to continue running by reducing the speed of the load using the load as a generator. If P-05 = 2, the drive will ramp to stop using the P-24 decel ramp with dynamic brake control when mains supply lost.
P-06	Energy Optimiser	0: Disabled 1: Enabled	0	When enabled, automatically reduces applied motor voltage on light load. Minimum value is 50% of nominal.
P-07	Motor rated voltage	0, 20V to 250V 0, 20V to 500V	230V 400V (460V)	Rated (nameplate) voltage of the motor (Volts). Value limited to 250V for low voltage drives. Setting to zero disables voltage compensation.
P-08	Motor rated current	25% -100% of drive rated current	Drive rating	Rated (nameplate) current of the motor (Amps).
P-09	Motor rated frequency	25Hz to 500Hz	50Hz (60Hz)	Rated (nameplate) frequency of the motor.
P-10	Motor rated speed	0 to 30 000 rpm	0	When non-zero, all speed related parameters are displayed in rpm.
P-11	Voltage boost	Size 1: 0.0 to 20.0% Size 2: 0.0 to 15.0% Size 3: 0.0 to 10.0% of max output voltage.	Motor power dependent	Applies an adjustable boost to the voltage output at low speed to assist with starting 'sticky' loads. For continuous applications at low speed use a forced ventilated motor.
P-12	Terminal / Keypad / MODBUS / PI Drive Control Mode Selection	0. Terminal control 1. Keypad control – fwd only 2. Keypad control – fwd and rev 3. MODBUS network control with internal accel / decel ramps 4. MODBUS network control with accel / decel ramp adjustment 5. User PI control 6. User PI control with analog input 1 summation	0	**Primary Control Mode of the drive** 0. Terminal control. 1. Uni-directional keypad control. Keypad START button does not reverse direction. 2. Bi-directional keypad control. Keypad START button toggles between forward and reverse. 3. Control via Modbus RTU (RS485) comms interface using the internal accel / decel ramps. 4. Control via Modbus RTU (RS485) comms interface with accel / decel ramps updated via Modbus. 5. User PI control with external feedback signal. 6. User PI control with external feedback signal and summation with analog input 1.
P-13	Trip log	Last four trips stored	Read only	Previous 4 trips stored in order of occurrence, with the most recent first. Press UP or DOWN to step through all four. The most recent trip is always displayed first. UV trip is only stored once. Further fault event logging functions are available through parameter group zero.
P-14	Extended menu access	Code 0 to 9 999	0	Set to "101" (default) for extended menu access. Change code in P-39 to prevent unauthorised access to the Extended Parameter Set.

Note: Default parameter values for Horse Power rated drives are shown in brackets

Note: Standby mode is enabled automatically when the drive is at zero speed for > 20 seconds

BASIC PARAMETER SET QD:VT

Par.	Description	Range	Default
P1-01	Max speed limit (Hz or rpm)	P1-02 to 120Hz / 7,200 rpm	50Hz
P1-02	Min speed limit (Hz or rpm)	0 to P1-01	0Hz
P1-03	Accel ramp time (s)	0s … 3000s	30s
P1-04	Decel ramp time (s)	0s … 3000s	30s
P1-05	Stop mode select	0: Ramp to stop (mains ride thro) 1: Coast to stop 2: Ramp to stop (Fast-Stop mode)	0
P1-06	Energy optimizer	0: Disable 1: Enable	0
P1-07	Motor rated voltage	0V, 20V to 250V 0V, 20V to 500V 0V, 20V to 600V	230V 400V
P1-08	Motor rated current (rms)	20% to 100% of drive current rating (Amps)	Drive rating (Amps)
P1-09	Motor rated frequency	25 to 120Hz	50Hz
P1-10	Motor rated speed	0 to 7,200 rpm	0
P1-11	Preset speed 1	-P1-01 (min) to P1-01 (max)	50Hz
P1-12	Terminal / Keypad control of drive	0: Terminal control 1: Keypad control (fwd only) 2: Keypad control (fwd / rev toggle using start button) 3: Enable User PID control 4: Modbus network control	0 (terminal)
P1-13	Trip log	Last four trips stored	No fault
P1-14	Extended menu access code	0 to 30000. When in default state, set to 101 to access extended menu	0

Note: Default parameter values for Horse Power rated drives are shown in brackets

Standard Parameters: QD:CT PLUS

BASIC PARAMETER SET QD:CT PLUS

Par.	Description	Range	Default
P1-01	Max speed limit (Hz or rpm) C Run (Enable)	P1-02 to P1-09 x 5. Max value 2000Hz / 60,000 rpm	50Hz
P1-02	Min speed limit (Hz or rpm)	0 to P1-01	0Hz
P1-03	Accel ramp time (s)	0s … 3000s	5s
P1-04	Decel ramp time (s)	0s … 3000s	5s
P1-05	Stop mode select	0 Ramp to stop (mains ride thro) 1 Coast to stop 2 Ramp to stop (Fast-Stop mode)	0
P1-06	Energy Optimisation (Reserved for 3GV-M)	0: Disable 1: Enable	0
P1-07	Motor rated voltage	0V, 20V to 250V 0V, 20V to 500V 0V, 20V to 600V	230V 400V
P1-08	Motor rated current (rms)	20% to 100% of drive current rating (Amps)	Drive rating (Amps)
P1-09	Motor rated frequency	25 to 2000Hz	50Hz
P1-11	Preset speed 1	-P1-01 (min) to P1-01 (max)	50Hz
P1-12	Terminal / Keypad control of drive	0: Terminal control 1: Keypad control (fwd only) 2: Keypad control (fwd / rev toggle using start button) 3: Enable User PID control 4: Modbus network control (Optional)	0 (terminal)
P1-13	Trip log	Last four trips stored	No fault
P1-14	Extended menu access code	0 to 30000. When in default state, set to 101 to access extended menu	0

Default parameter values for Horse Power rated drives are shown in brackets