TABLE 1 FACTORY SET IQPUMP1000 CONFIGURED DRIVE PARAMETERS

PARAMETER	DATA	UNIT	DESCRIPTION/REMARKS
A1-03	SEE TABLE 2 OR 3	N/A	INITIALIZATION OF PARAMETERS
b1-01	SEE TABLE 2 OR 3	N/A	FREQUENCY REFERENCE SELECTION 1
b1-02	SEE TABLE 2 OR 3	N/A	RUN COMMAND SELECTION 1
E1-01	240(480)	VOLTS	STANDARD INPUT VOLTAGE SETTING
E1-05	230(460)	VOLTS	STANDARD MAXIMUM OUTPUT VOLTAGE SETTING
E2-01	---	AMPS	MOTOR FULL LOAD AMPS (MUST BE SET BY USER)
H1-05	SEE TABLE 2 OR 3	N/A	MULTI-FUNCTION DIGITAL INPUT TERMINAL S5 FUNCTION SELECTION
H2-02	16	N/A	MULTI-FUNCTION DIGITAL OUTPUT TERM. M3-M4 FUNCTION SET FOR FREQ. DETN. 4
H3-09	SEE TABLE 2 OR 3	N/A	TERMINAL A2 FEEDBACK SIGNAL LEVEL SELECTION
L4-03	---	HZ.	SPEED AGREEMENT DETECTION LEVEL (TO BE SET BY USER IF TERM. M3-M4 ARE USED.)
L4-04	---	HZ.	SPEED AGREEMENT DETECTION WIDTH (TO BE SET BY USER IF TERM. M3-M4 ARE USED.)
o2-03	1	N/A	USER INITIALIZATION FACTORY SET PARAMETER DEFAULT VALUES (FOUND IN A1-03= "1110")
o3-02	1	N/A	COPY ALLOWED SELECTION ENABLED
P1-02	1 ▪	N/A	SYSTEM UNITS (WHERE 1 = POUNDS PER SQUARE INCH (PSI))
P1-03	00145 ▪	SYSTEM UNITS	FEEDBACK DEVICE SCALING (TO BE SET BY USER – BEFORE SETTING Q1-01)
P5-01	SEE TABLE 2 OR 3	N/A	HAND MODE FREQUENCY REFERENCE SELECTION
P5-02	---	HZ.	HAND MODE FREQUENCY REFERENCE (TO BE SET BY USER) – SEE TABLE 2 OR 3
P5-04	SEE TABLE 2 OR 3	N/A	DRIVE KEYPAD HAND KEY ENABLE/DISABLE
Q1-01	---	SYSTEM UNITS	AUTO MODE SET-POINT REFERENCE (TO BE SET BY USER – AFTER SETTING P1-03)

▪ = FACTORY 2-WIRE INITIALIZATION/DEFAULT SETTING

DRIVE OPERATION MODE SELECTION WITHOUT THE HAND/OFF/AUTO SELECTOR SWITCH OPTION TY

TABLE 2 FACTORY SET Q1C CONFIGURED IQPUMP1000 DRIVE PARAMETERS

OPTION PRESENT	PARAMETER							DRIVE CONTROL BOARD SWITCH S1(A2)	AUTO MODE					HAND MODE		
									SET-POINT		FEEDBACK			SPEED COMMAND		
											TERM. BLOCK TB1(1-3) SIGNAL					
	A1-03	b1-01	b1-02	H1-05	H3-09	P5-01	P5-04		DRIVE KEYPAD Q1-01	SERIAL COMM.	4-20 MADC	0-10 VDC	DRIVE RUN COMMAND	DRIVE KEYPAD P5-02	SPEED POT	DRIVE RUN COMMAND
NONE +	2220	0 ▪	0 ▪	8D ▪	2 ▪	1 ▪	1 ▪	I ▪	YES		YES		DRIVE KEYPAD IN THE "AUTO" MODE	YES		DRIVE KEYPAD IN THE "HAND" MODE
NONE	2220	0 ▪	0 ▪	8D ▪	0	1 ▪	1 ▪	V	YES			YES		YES		
TZ +	2220	0 ▪	0 ▪	8D ▪	2 ▪	0	1 ▪	I ▪	YES		YES				YES	
TZ	2220	0 ▪	0 ▪	8D ▪	0	0	1 ▪	V	YES			YES			YES	
NONE	2220	0 ▪	1	8D ▪	2 ▪	1 ▪	1 ▪	I ▪	YES		YES		DRIVE KEYPAD IN THE "AUTO" MODE AND AUTO MODE RUN/STOP CONTACT	YES		
NONE	2220	0 ▪	1	8D ▪	0	1 ▪	1 ▪	V	YES			YES		YES		
TZ	2220	0 ▪	1	8D ▪	2 ▪	0	1 ▪	I ▪	YES		YES				YES	
TZ	2220	0 ▪	1	8D ▪	0	0	1 ▪	V	YES			YES			YES	
TD, TG, TH, TJ, TL, TQ OR TU +	2220	3	3	8D ▪	2 ▪	1 ▪	1 ▪	I ▪		YES	YES		DRIVE KEYPAD IN THE "AUTO" MODE AND SERIAL COMMUNICATIONS RUN/STOP	YES		
TD, TG, TH, TJ, TL, TQ OR TU	2220	0 ▪	3	8D ▪	2 ▪	1 ▪	1 ▪	I ▪	YES		YES			YES		
T6	3330	0 ▪	1	0 ▪	2 ▪	1 ▪	1 ▪	I ▪	YES		YES		RUN WITH KEYPAD IN "AUTO" MODE AND START PUSHBUTTON	YES		RUN WITH KEYPAD IN "HAND" MODE
T6 AND TZ	3330	0 ▪	1	0 ▪	2 ▪	0	1 ▪	I ▪	YES		YES		STOP WITH KEYPAD IN "AUTO" MODE AND STOP PUSHBUTTON OR STOP WITH KEYPAD IN "OFF" MODE		YES	STOP WITH KEYPAD IN "HAND" MODE AND STOP PUSHBUTTON OR STOP WITH KEYPAD IN "OFF" MODE
(TD, TG, TH, TJ, TL, TQ OR TU) AND T6	3330	3	1	0 ▪	2 ▪	1 ▪	1 ▪	I ▪		YES	YES			YES		

+ = STANDARD Q1C CONFIGURED IQPUMP1000 DRIVE SET UP

▪ = FACTORY DEFAULT SETTING

DRIVE OPERATION MODE SELECTION WITH THE HAND/OFF/AUTO SELECTOR SWITCH OPTION TY

TABLE 3 FACTORY SET Q1C CONFIGURED IQPUMP1000 DRIVE PARAMETERS

OPTION PRESENT	PARAMETER							DRIVE CONTROL BOARD SWITCH S1(A2)	AUTO MODE					HAND MODE		
									SET-POINT		FEEDBACK			SPEED COMMAND		
											TERMINAL BLOCK TB1(1-3) SIGNAL					
	A1-03	b1-01	b1-02	H1-05	H3-09	P5-01	P5-04		DRIVE KEYPAD Q1-01	SERIAL COMM.	4-20 MADC	0-10 VDC	DRIVE RUN COMMAND	DRIVE KEYPAD P5-02	SPEED POT	DRIVE RUN COMMAND
TY +	2220	0 ▪	1	8D ▪	2 ▪	1 ▪	0	I ▪	YES		YES		H/O/A SWITCH IN THE "AUTO" POSITION AND AUTO MODE RUN/STOP CONTACT AT TERMINAL TB1(5) & TB1(6)	YES		H/O/A SWITCH IN THE "HAND" POSITION
TY	2220	0 ▪	1	8D ▪	0	1 ▪	0	V	YES			YES		YES		
T9 +	2220	0 ▪	1	8D ▪	2 ▪	0	0	I ▪	YES		YES				YES	
T9	2220	0 ▪	1	8D ▪	0	0	0	V	YES			YES			YES	
T6 AND TY	2220	0 ▪	1	8D ▪	2 ▪	1 ▪	0	I ▪	YES		YES			YES		H/O/A SW. IN "HAND" POSITION AND START AND STOP PUSHBUTTONS
T6 AND T9	2220	0 ▪	1	8D ▪	2 ▪	0	0	I ▪	YES		YES				YES	
(TD, TG, TH, TJ, TL, TQ OR TU) AND TY	2220	3	3	6A	2 ▪	1 ▪	0	I ▪		YES	YES		H/O/A SWITCH IN THE "AUTO" POSITION AND SERIAL COMMUNICATIONS RUN/STOP	YES		H/O/A SWITCH IN THE "HAND" POSITION
(TD, TG, TH, TJ, TL, TQ OR TU) AND T9	2220	3	3	6A	2 ▪	0	0	I ▪		YES	YES				YES	
(TD, TG, TH, TJ, TL, TQ OR TU), T6 AND TY	2220	3	3	6A	2 ▪	1 ▪	0	I ▪		YES	YES			YES		H/O/A SWITCH IN THE "HAND" POSITION AND START AND STOP PUSHBUTTONS
(TD, TG, TH, TJ, TL, TQ OR TU), T6 AND T9	2220	3	3	6A	2 ▪	0	0	I ▪		YES	YES				YES	

+ = STANDARD Q1C CONFIGURED IQPUMP1000 DRIVE SET UP

▪ = FACTORY DEFAULT SETTING

REVISIONS				
REV.	DESCRIPTION	ECO #	DRAWN BY	DATE
01	REMOVED CHANGES TO H3-02 & H3-06 PARAM	5166	NSL	4/8/14
00	INITIAL RELEASE	–	NSL	10/11/13

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