

BESSER-MATIC 1305 Frequency Drive Programming Instructions

ACTIONS

- PRESS THE ESC KEY
- PRESS ARROW UP KEY (UNTIL)
- PRESS ENTER KEY
- PRESS ARROW UP KEY
- PRESS ENTER KEY
- PRESS ARROW UP KEY (UNTIL)

- PRESS SEL KEY

- PRESS SEL KEY
- PRESS SEL KEY
- PRESS ARROW UP KEY
- PRESS SEL KEY
- PRESS ARROW DOWN KEY
- PRESS ENTER KEY

- PRESS ARROW UP KEY

- PRESS SEL KEY
- PRESS SEL KEY
- PRESS ARROW UP KEY
- PRESS SEL KEY
- PRESS ARROW DOWN KEY
- PRESS ENTER KEY

- PRESS ARROW UP KEY
- PRESS SEL KEY AND
ARROW DOWN KEY ARROW DOWN
IF 50 Hz REQUIRED
THEN PRESS ENTER KEY
- PRESS ARROW UP KEY
- PRESS SEL KEY AND ARROW
UP/DOWN TO CHANGE VOLTAGE
IF REQUIRED. THEN PRESS ENTER
- PRESS ARROW UP KEY
- PRESS SEL KEY AND ARROW
UP/DOWN TO CHANGE VOLTAGE
*NOTE: MAX VOLTAGE SHALL BE
10% GREATER THAN BASE VOLTAGE*

- PRESS ENTER KEY
- PRESS ARROW UP KEY (UNTIL)
DISPLAY INDICATES
CHOOSE MODE DISPLAY
CHOOSE MODE PROGRAM
CHOOSE GROUP METERING

CHOOSE GROUP SETUP
 INPUT MODE THREE WIRE
 ACCEL TIME 1
 10.0 SECS
 ACCEL TIME 1
 10.0 SECS
 BLINKS
 BLINKS
 11.0 SECS
 BLINKS
 1.0 SECS
 ACCEL TIME 1
 1.0 SECS
 DECEL TIME 1
 10.0 SECS
 BLINKS
 BLINKS
 11.0 SECS
 BLINKS
 1.0 SECS
 DECEL TIME 1
 1.0 SECS
 BASE FREQUENCY
 60 Hz

BASE VOLTAGE
 460 VLTS

MAXIMUM VOLTAGE
 460 VLTS

MAXIMUM VOLTAGE
 506 VLTS

MAXIMUM FREQUENCY
 60 HZ

ACTIONS

- PRESS SEL KEY AND
ARROW UP/DOWN KEYS FOR 66/55 Hz.

- PRESS ENTER KEY
- PRESS ARROW UP KEY
- PRESS SEL KEY AND
- ARROW UP/DOWN (UNTIL)

*NOTE: "•" Denotes a
 separate step in the
 programming
 instructions.*

BESSER-MATIC 1305 Frequency Drive Programming Instructions

- PRESS ENTER KEY
 - PRESS ESC KEY
 - PRESS ARROW UP KEY
 - PRESS ENTER KEY
 - PRESS ARROW UP KEY (UNTIL)
 - PRESS SEL KEY AND ARROW UP/DOWN UNTIL 36 VOLTS (460)
30 VOLTS (380)
18 VOLTS (230)
 - PRESS ENTER KEY
 - PRESS ESC KEY
 - PRESS ARROW UP KEY
 - PRESS ENTER KEY
 - PRESS ARROW UP KEY (UNTIL)
 - PRESS SEL KEY AND ARROW UP/DOWN
 - PRESS ENTER KEY
 - PRESS ARROW UP KEY
 - PRESS SEL KEY AND ARROW UP/DOWN
 - PRESS ENTER KEY
 - PRESS ARROW UP KEY
 - PRESS SEL KEY AND ARROW UP/DOWN (66Hz OR 55Hz)
 - PRESS ENTER KEY
 - PRESS ESC KEY
 - PRESS ARROW UP KEY (UNTIL)
 - PRESS ENTER KEY
 - PRESS ARROW UP KEY (UNTIL)
 - PRESS SEL KEY AND ARROW UP/DOWN
 - PRESS ENTER KEY
 - PRESS ESC KEY (UNTIL)
- DISPLAY INDICATES**
MAXIMUM FREQUENCY
66 Hz
- STOP SELECT RAMP
STOP SELECT
COAST
- CHOOSE GROUP SETUP
CHOOSE GROUP ADVANCED SETUP
MINIMUM FREQ.
0 Hz
DC BOOST SELECT BREAK POINT
DC BOOST SELECT
36 VOLTS
- CHOOSE GROUP ADVANCED SETUP
CHOOSE GROUP FREQUENCY SET
FREQ SELECT 1
ADAPTER 1
PRESET FREQ 1
10 HZ
PRESET FREQ 1
15 HZ
- PRESET FREQ 2
20 HZ
PRESET FREQ 2
45 HZ
- PRESET FREQ 3
30 HZ
PRESET FREQ 3
66 HZ
- CHOOSE GROUP FREQUENCY SET
CHOOSE GROUP FAULTS
FAULT BUFFER 0
4
LINE LOSS FAULT
F03 ENABLE
LINE LOSS FAULT
UVOLT RUN
NOT ENABLED
00.0 HZ

BESSER-MATIC 1305 Frequency Drive Programming Instructions

1305 FREQUENCY DRIVE LINEAR LISTS OF PARAMETERS TO ADJUST

		NUMBER (#)	INITIAL SETTING
SETUP	ACCEL TIME	(7)	1.0 SEC
	DECEL TIME	(8)	1.0 SEC
	BASE FREQ.	(17)	60 HZ or 50HZ
	BASE VOLT	(18)	230-380-415-460
	MAX VOLT	(20)	BASE VOLT *1.1
			230*1.1=253 VOLTS
	MAX FREQ	(19)	66HZ OR 55HZ
	STOP SELECT	(10)	COAST
ADVANCED SETUP	DC BOOST	(9)	230V = 18 VOLTS
			380V = 30 VOLTS
			415V = 30 VOLTS
			460V = 36 VOLTS
FREQUENCY SET	PRESET FREQ 1	(27)	
	PRESET FREQ 2	(28)	15HZ
	PRESET FREQ 3	(29)	45HZ
			66HZ OR 55HZ
FAULTS	LINE LOSS FAULT	(40)	U VOLT RUN
PARAMETER			

BESSER-MATIC 1305 Frequency Drive Programming Instructions

SAFETY BULLETIN

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to insure safe operation and use of machines, tools, automatic loaders and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many shop practices may not reflect current safety practice and procedures, particularly with regard to the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

IMPORTANT

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

ALWAYS:

- ✓ Be sure proper guarding is in place for all pinch, catch, shear, crush and nip points.
- ✓ Be sure that all personnel are clear of the equipment before starting it.
- ✓ Be sure the equipment is properly grounded.
- ✓ Turn the main electrical panel off and lock it out in accordance with published lockout/tagout procedures prior to making adjustments, repairs, and maintenance.
- ✓ Wear appropriate protective equipment such as safety glasses, safety shoes, hearing protection and hard hats.
- ✓ Keep chemical and flammable material away from electrical or operating equipment.
- ✓ Maintain a safe work area that is free from slipping and tripping hazards.
- ✓ Always be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.

BESSER-MATIC 1305 Frequency Drive Programming Instructions

NEVER:

- ✓ Exceed the rated capacity of a machine or tool.
- ✓ Modify machinery in any way without prior written approval of the Besser Engineering Department.
- ✓ Operate equipment unless proper maintenance has been regularly performed.
- ✓ Operate any equipment if unusual or excessive noise or vibration occurs.
- ✓ Operate any equipment while any part of the body is in the proximity of potentially hazardous areas.
- ✓ Use any toxic flammable substance as a solvent cleaner.
- ✓ Allow the operation or repair of equipment by untrained personnel.
- ✓ Climb or stand on equipment when it is in operation.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the setup, operation, maintenance, repair or adjustment of Besser-built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.