

SURE-PICK OPERATING INSTRUCTION

INSTALLATION

Remove picker from shipping crate and inspect machine for shipping damage. If damage is detected, notify the delivering freight carrier immediately. Shipping damage is the responsibility of the carrier to the purchaser.

Connect cold water supply to the picker. A 3/4" male hose connection has been provided with your picker for this purpose. Plug the electric service cord into a 220 volt service, of sufficient capacity for the picker motor.

Single Phase: SP23 (1 1/2 HP-220V-9.2A) L3514
 SP30 (2HP-220V-12.0A) L1502
 SP38 (3hp-220V-17.0A) L1505
Three Phase: SP30 (2HP-220V-5.8A) M3208

WATER SUPPLY

An ample cold water supply is essential to insure maximum efficiency from your picker. Water pressure should be a minimum of 30 pounds per square inch. If water supply contains large amounts of mineral or salts, (hard water) it may be necessary to disassemble and clean the water solenoid valve periodically. When the picker is operating, be sure that water flows out of all points in the water ring at the top of the picker cylinder. If picker is stored in a cold climate, the water solenoid valve and connecting hose must be drained to prevent freezing.

OPERATING

It is important that the birds are not killed a long period of time before entering the scald and picker. Long intervals of time between operation, allow feathers to become set, thus causing extensive breakage and inferior picking.

As with any type picker, a proper scald is essential. If when picking, it is apparent that the birds are not scalded sufficiently, we recommend a longer scalding time rather than a higher temperature. Optimum temperature 142 degrees Fahrenheit or 62 Celsius for 60 to 120 seconds.

Please remember load capacities for the machine to run efficiently are: SP23: 24lbs, SP30: 40lbs, SP-38: 60 lbs.

SP-23 and SP-30 (without automatic doors)

With water line open to picker and proper electrical connection, set SP-30 timer at 20 to 30 seconds. (Time will vary with different types of birds). Press start button, thus starting the motor and water flow. Push birds from work table (located over cylinder) into picker cylinder. Allow machine to run until center cone stops, then remove picked birds. You are now ready to repeat the above operation with the next batch of scalded birds. SP-23, twist hand timer to a setting of 20 to 30 seconds, push birds from work table into cylinder and release timer knob. Allow machine to complete cycle as noted above for SP-30.

ASHELY MACHINE COMPANY
901 North Carver Street
Greensburg, IN 47240
Phone: (812) 663-2180 Fax: (812) 663-5405

SP-30 and SP-38 (with automatic doors)

With water line open to picker and proper electrical connection, set timer at 20 to 30 seconds. Time cycle will vary with the type and age of birds. For an SP-30 start motor by pushing green start button located on the front of the picker. Place scalded birds on work table over cylinder. Press silver mushroom head start button. Allow picker to run its cycle. At the end of the picking cycle, the birds will be expelled through the automatic door and the bird catch table. NOTE: The bird catch table is a separate accessory available for the picker.

The picked birds are now ready for evisceration and the picker is pre-set for the next batch of scalded birds. Note: at the end of each cycle the water will shut off automatically and the door latch will release, the motor and picking cone will continue to turn. It is advisable to allow the motor to continue to run during the entire picking session. Frequent turning off and on of motor may damage motor switch. On the SP-38 the motor off/on switch is located in the waterproof cabinet: otherwise operation is the same as the preceding instructions for the SP-30.

MAINTENANCE

Wash down picker after each day's operation with a mild detergent in warm water and rinse. Care must be taken not to dampen electrical components or motor. Lubricate main cone shaft zerk fitting with the grease gun every 50 hours of machine use. Note: Apply only small amount of grease to motor and jackshaft bearing every 100 hours of machine use. Over lubricating of these bearings will damage protective grease seals and shorten bearing life. New belts should be retightened after 50 hours of operation.

SP-23 Loosen motor mounting bolts, slide motor away from picker cone shaft, retighten motor belts

SP-30 Loosen motor mounting bolts, loosen jackshaft bearing bolts and slide jackshaft back to tighten lower belts (care must be taken to keep jackshaft in an un-tilted vertical position)

Retighten jackshaft bearing bolts. Slide motor away from jackshaft to tighten upper drive belt.

Retighten motor mounting belts.

The same procedure is to be followed for belt replacement.

SP-38 Loosen motor mounting bolts and slide motor to tighten belt, retighten motor bolts.

MOTORS

The motor is guaranteed against defects in material and workmanship by the motor manufacturer.

The motor manufacturer accepts no responsibility for repairs made outside its factory or authorized service stations.

Electric Consumption

SP-23 Picker	1 ½ HP -220V-1PH	9.2 Amps
SP-30 Picker	2 HP - 220V-1PH	12.0 Amps
SP-38 Picker	3 HP - 220V- 1PH	17.0 Amps

Water Consumption

SP-23 Picker	1gpm	4.5 liters per minute	
SP-30 Picker	2gpm	7.6 liters per minute	
SP-38 Picker	3gpm	11.4 liters per minute	17.25 RPMS

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