BULLETIN: WB-J50,J75
EFFECTIVE MARCH 1, 1998
STARTING WITH SERIAL NO. 1F2

INSTALLATION AND OPERATING INSTRUCTIONS
LANCASTER WATER BROOM MODELS J50, J75

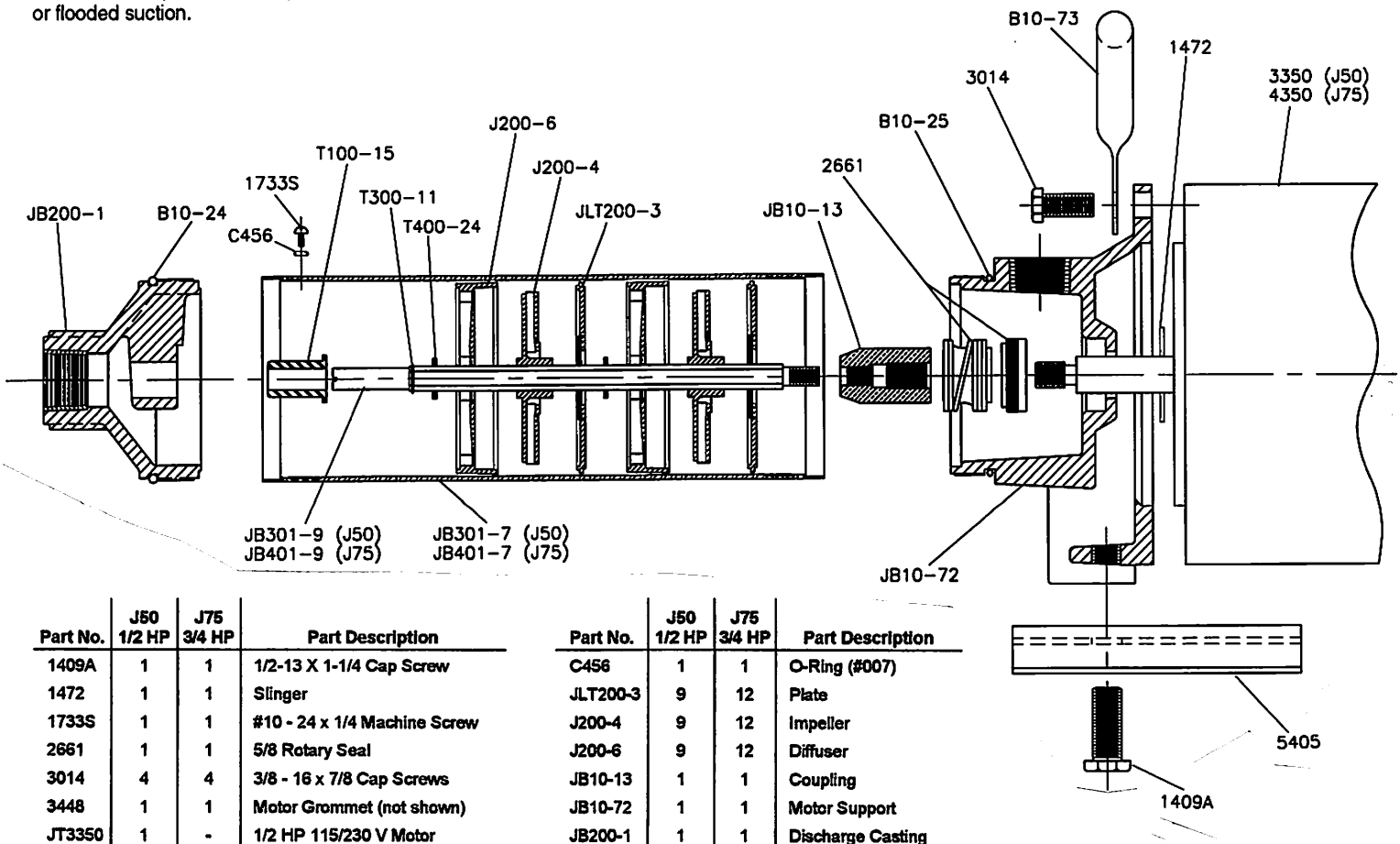
The Lancaster Water Broom is intended primarily for use as a portable pressure booster pump in applications such as barn and stall cleaning, service station use, etc..

In order for the pump to function, a water supply line of sufficient size to provide a steady flow of at least 8 gallons per minute is required. **If capacity of the supply system should fall below this figure, the pump discharge must be throttled back also, or ineffective pressure boost will be developed and damage to the pump internally can occur.** Throttling must be done by reducing the size of the discharge nozzle, since the velocity of the water stream as it leaves the nozzle is dependent directly on the size of the nozzle and the quantity of water going through it. The pump may be mounted permanently if desired, in either a horizontal or vertical position, since priming water is supplied under pressure. If mounted vertically, position motor at the top and pump discharge at the bottom. **Use a full flow 3/4" gate or ball valve (not a sillcock) in the supply line.**

CAUTION - The rotary seal in this pump is water cooled and lubricated, as is the shaft bearing. If the pump does not deliver water immediately, turn off the power supply and reprime the pump to avoid overheating. Avoid handling wires when working in wet areas, or where any possibility of electrical grounding might be present. The pump motor is equipped with a three wire cord with ground plug, but this grounded cord is of no use if the electrical system itself is not grounded. Use of a switch that permits the power to be cut off when making electrical connections is strongly recommended.

The parts in this pump are designed for temperatures not to exceed 160° F. Operation for any length of time with a closed discharge or a restricted suction line will damage the pump.

Maximum inlet pressure is 75 p.s.i., maximum working case pressure is 275 p.s.i.. Designed for continuous operation. Works from pressurized water supply or flooded suction.



Part No.	J50 1/2 HP	J75 3/4 HP	Part Description
1409A	1	1	1/2-13 X 1-1/4 Cap Screw
1472	1	1	Slinger
1733S	1	1	#10 - 24 x 1/4 Machine Screw
2661	1	1	5/8 Rotary Seal
3014	4	4	3/8 - 16 x 7/8 Cap Screws
3448	1	1	Motor Grommet (not shown)
JT3350	1	-	1/2 HP 115/230 V Motor
JT4350	-	1	3/4 HP 115/230 V Motor
4721	1	-	3 wire cord set (not shown)
4721A	-	1	3 wire cord set (not shown)
5405	1	1	Pump Base
B10-24	1	1	O-Ring (#234)
B10-25	1	1	O-Ring (#236)
B10-73	1	1	Handle
B11	2	2	3/4" Hose Adapter (not shown)

Part No.	J50 1/2 HP	J75 3/4 HP	Part Description
C456	1	1	O-Ring (#007)
JLT200-3	9	12	Plate
J200-4	9	12	Impeller
J200-6	9	12	Diffuser
JB10-13	1	1	Coupling
JB10-72	1	1	Motor Support
JB200-1	1	1	Discharge Casting
JB301-7	1	-	Casing
JB401-7	-	1	Casing
JB301-9	1	-	Shaft
JB401-9	-	1	Shaft
T300-11	1	1	Retaining Ring S.S.
T100-15	1	1	Top Shaft Bearing
T400-24	9	12	Thrust Washer

LANCASTER PUMP A DIVISION OF C - B TOOL CO.
1340 MANHEIM PIKE LANCASTER, PA 17601-3124 Area Code (717) 397-3521

BULLETIN: LPP-T75
EFFECTIVE: APRIL 1, 1998
STARTING WITH SERIAL NO. 1F0

INSTALLATION AND OPERATING INSTRUCTIONS
LANCASTER POULTRY PUMP MODEL T75

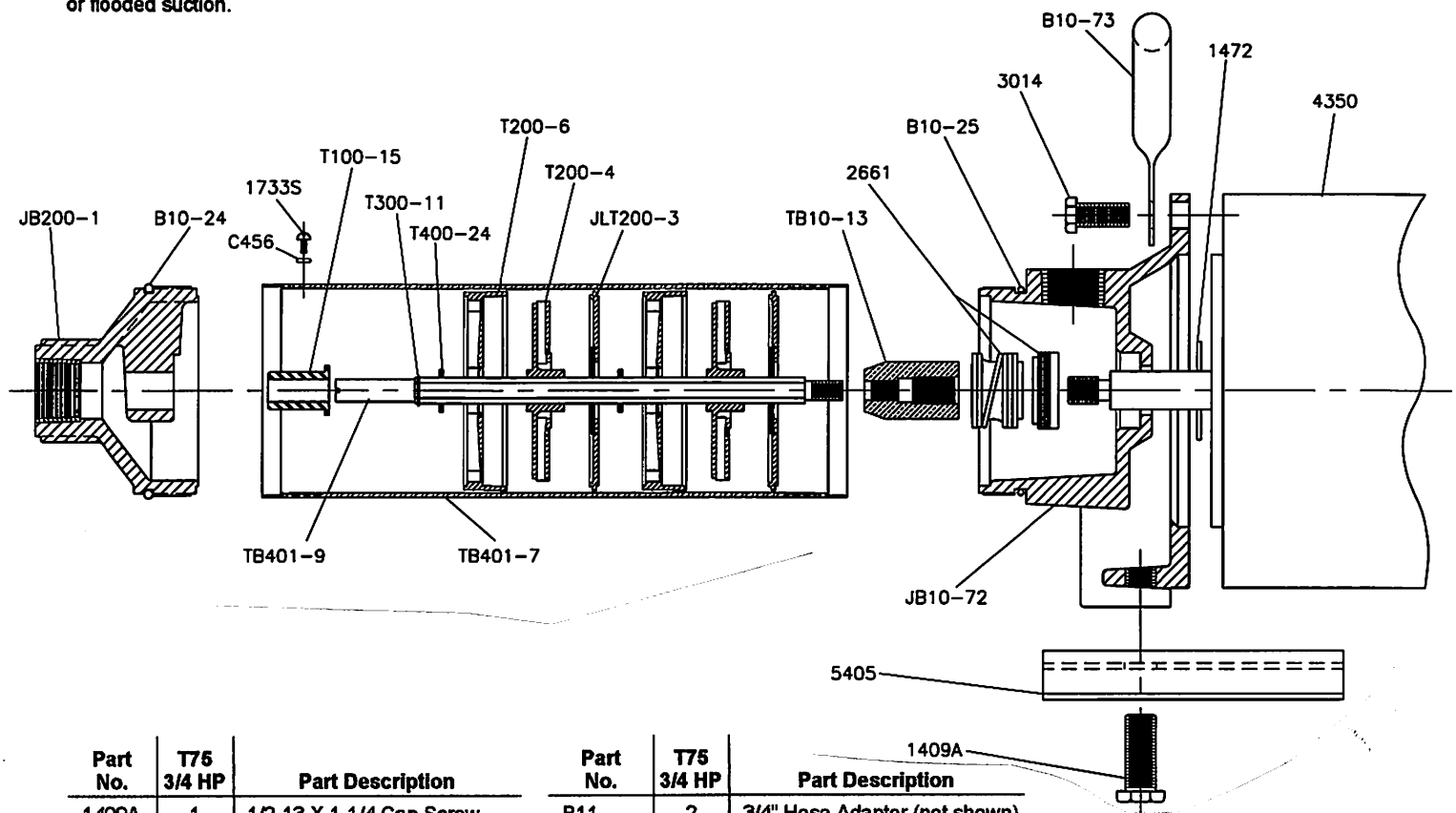
The Lancaster Poultry Pump is intended primarily for fog evaporation systems for cooling chicken houses, but can also be used as a portable pressure booster pump in many other applications.

In order for the pump to function, a water supply line of sufficient size to provide a steady flow of at least 13 to 14 gallons per minute is required. **If capacity of the supply system should fall below this figure, the pump discharge must be throttled back also, or ineffective pressure boost will be developed and damage to the pump internally can occur.** Throttling must be done by reducing the size of the discharge nozzle, since the velocity of the water stream as it leaves the nozzle is dependent directly on the size of the nozzle and the quantity of water going through it. The pump may be mounted permanently if desired, in either a horizontal or vertical position, since priming water is supplied under pressure. If mounted vertically, position motor at the top and pump discharge at the bottom. **Use a full flow 3/4" gate or ball valve (not a silcock) in the supply line.**

CAUTION - The rotary seal in this pump is water cooled and lubricated, as is the shaft bearing. If the pump does not deliver water immediately, turn off the power supply and reprime the pump to avoid overheating. Avoid handling wires when working in wet areas or where any possibility of electrical grounding might be present. The pump motor is equipped with a three wire cord with ground plug, but this grounded cord is of no use if the electrical system itself is not grounded. Use of a switch that permits the power to be cut off when making electrical connections is strongly recommended.

The parts in this pump are designed for temperatures not to exceed 160° F. Operation for any length of time with a closed discharge or a restricted suction line will damage the pump.

Maximum inlet pressure is 75 psi, maximum working case pressure is 275 psi. Designed for continuous operation. Works from pressurized water supply or flooded suction.



Part No.	T75 3/4 HP	Part Description
1409A	1	1/2-13 X 1-1/4 Cap Screw
1472	1	Slinger
1733S	1	#10 - 24 x 1/4 Machine Screw
2661	1	5/8 Rotary Seal
3014	4	3/8 - 16 x 7/8 Cap Screws
3448	1	Motor Grommet (not shown)
4350	1	3/4 HP 115/230 V Motor
4721	1	3 wire cord set (not shown)
5405	1	Pump Base
B10-24	1	O-Ring (#234)
B10-25	1	O-Ring (#236)
B10-73	1	Handle

Part No.	T75 3/4 HP	Part Description
B11	2	3/4" Hose Adaptor (not shown)
C456	1	O-Ring (#007)
JLT200-3	9	Plate
T200-4	9	Impeller
T200-6	9	Diffuser
TB10-13	1	Coupling
JB10-72	1	Motor Support
JB200-1	1	Discharge Casting
TB401-7	1	Casing
TB401-9	1	Shaft
T300-11	1	Retaining Ring S.S.
T100-15	1	Top Shaft Bearing
T400-24	9	Thrust Washer

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