TYPE 873 MODEL B STAINLESS STEEL AUTOMATIC BAG CLOSING MACHINE

873A MODEL B SHOWN WITHOUT PRINTER

Kwik Lok's® 873A Model B Automatic Bag Closing Machine is constructed of stainless steel, a heavy duty closing assembly and a totally enclosed motor. The machine is designed to operate in any situation with a wet or hostile environment. The 873A Model B enables the packager to close bagged packages at speeds up to 110 per minute. The system will close a wide range of product size variations. Striplok® closures are available in many closure opening sizes to accommodate a large number of bag widths and film thicknesses.

SPECIFICATIONS

HEIGHT: ....42" (106 cm)
WIDTH: .... 11 3/4" (30 cm)
DEPTH: ....24 1/2" (62 cm)

APPROXIMATE SHIPPING WEIGHTS & DIMENSIONS
Closing Head
30.5" x 24.5" x 19.5"; 86 Lbs.; 8 Cu. Ft.
(77.5 cm x 62.2 cm x 49 cm; 40 Kg; 0.24 cu. m)

Reel Assembly
38.5" x 24.5" x 19.5"; 31 Lbs.; 10 Cu. Ft.
(97.8 cm x 62.2 cm x 49.5 cm; 14 Kg; 0.30 cu. m)

ORDERING INFORMATION
Refer to the specifications chart on the next page and determine the following:
A. TYPE: 873A
B. MODEL:
   1. Model designation begins with the letter B which defines the machine as a closure only capable.
   2. Standard system is a medium duty polyflex closing system.
   3. Select G, HG, I, HI or W for non-standard closing system. Dependent on application.
   4. Select Closure.
   5. Select Flow Direction (R or L - right or left hand - refer to flow diagram)
C. SPECIFY ELECTRICAL REQUIREMENTS: 115-250VAC, 50/60 Hz, 3A, 1 Ph.
D. SPECIFY TYPE OF INSTALLATION (i.e. Bagger manufacturer and model).
E. SPECIFY PRINTER if required - see printing options.
F. SPECIFY CLOSER MOUNTING OPTION: Adjustable or fixed.
G. SPECIFY CLOSER REEL POSITION. The reel can be behind the conveyor (low profile) or above the Closer (up-right). Addition of a printer may impact variable selection.

ORDERING EXAMPLE: Type 873A Model BGJNRPR, 115VAC, 60Hz. Installed on a Kwik Lok 1083FBAR Conveyor with 880 Printer. Adjustable height mount and up-right reel.

PRINTING OPTIONS

1011 Printer: The 1011 is an electrically-operated printer using steel type and cold transfer printing tape.
880 Printer: The 880 Printer is an air operated printer using steel type and cold transfer printing tape.
894A Printer: This printer utilizes the *Turbo-Print 872* built by *Squid Ink Manufacturing, Inc.* It is a programmable ink jet printing system. Refer to 894A catalog sheet for detailed information.

CLOSER OPTIONS
Closing Mechanisms:
Model G (Medium Duty Gearbelt): This system is recommended when closing heavy mil bags (1.5 - 38.1 microns mil or greater), wide bags (14" - 35.6 cm and greater) and/or rigid films (i.e. Polypropylene). It is also recommended when closing cold or wet bags.
Model HG (Heavy Duty Gearbelt): This system is identical to the Model G but has increased spring tension needed to close stiff bags (i.e. Paper) or slippery bags.
Model I (Idle Rim): This system is best used when closing sliced bread. It allows for a tightly closed package without damage being inflicted on the bag. Includes a gearbelt.
Model HI (Heavy Duty Idle Rim): This system allows for a tightly closed package without damage being inflicted on the bag but has increased tension needed to close stiff bags.
Model W: This system is for closing ice bags.

TYPE DESIGNATION		MODEL DESIGNATION			MAXIMUM PACKAGE WEIGHT
		CLOSING MECHANISM	CLOSURE	FLOW	
873A	B	G, HG, I, HI, W	VI	R or L	Up to 3 Lbs (1.4 Kg)
873A	B	G, HG, I, HI, W	V-NRP	R or L	Up to 3 Lbs (1.4 Kg)
873A	B	G, HG, I, HI, W	VIW	R or L	Up to 3 Lbs (1.4 Kg)
873A	B	G, HG, I, HI, W	VW-NRP	R or L	Up to 3 Lbs (1.4 Kg)
873A	B	G, HG, I, HI, W	JI	R or L	Up to 5 Lbs (2.3 Kg)
873A	B	G, HG, I, HI, W	J-NRP	R or L	Up to 5 Lbs (2.3 Kg)
873A	B	G, HG, I, HI, W	JM-NRP	R or L	Up to 5 Lbs (2.3 Kg)
873A	B	G, HG, I, HI, W	JWI	R or L	Up to 5 Lbs (2.3 Kg)
873A	B	G, HG, I, HI, W	JW-NRP	R or L	Up to 5 Lbs (2.3 Kg)
873A	B	G, HG, I, HI, W	KI	R or L	Up to 10 Lbs (4.5 Kg)
873A	B	G, HG, I, HI, W	K-NRP	R or L	Up to 10 Lbs (4.5 Kg)
873A	B	G, HG, I, HI, W	KM-NRP	R or L	Up to 10 Lbs (4.5 Kg)
873A	B	G, HG, I, HI, W	KWI	R or L	Up to 10 Lbs (4.5 Kg)
873A	B	G, HG, I, HI, W	KW-NRP	R or L	Up to 10 Lbs (4.5 Kg)
873A	B	G, HG, I, HI, W	ZI	R or L	Up to 10 Lbs (4.5 Kg)
873A	B	G, HG, I, HI, W	Z-NRP	R or L	Up to 10 Lbs (4.5 Kg)

CONVEYOR SPEED

Bag width, flight spacing, and conveyor speed all combine to affect the maximum number of packages per minute that can be closed.

Flight bar spacing on the conveyor is dependent upon the width of the widest product to be closed on that system.

Packages Per Minute is based on a maximum flight bar space of <u>1.2 times the bag width.</u> For flight spacing greater than 1.2 times bag width, the maximum packages per minute will be reduced. Use the following formula to calculate flight bar spacing as it relates to conveyor speed:

1. Bag width x 1.2 = flight bar spacing
2. Flight bar spacing x desired packages per minute = speed of conveyor per minute in inches
3. Conveyor speed in inches ÷ 12 inches = speed of conveyor per minute in feet.

BAG WIDTH	FLIGHT SPACING 1.2 X BAG WIDTH	PACKAGES PER MIN.	CONVEYOR SPEED FEET PER MINUTE
9" (23 cm)	10.8" (27.5 cm)	30 60 90	27 fpm (140 mm/sec) 54 fpm (280 mm/sec) 81 fpm (410 mm/sec)
12" (30.5 cm)	14.4" (36.5 cm)	30 60 80	36 fpm (180 mm/sec) 72 fpm (360 mm/sec) 96 fpm (490 mm/sec)
18" (46 cm)	21.6" (55 cm)	30 60	54 fpm (280 mm/sec) 108 fpm (550 mm/sec)

4. Flight spacing can be rounded up to the nearest inch (2 cm). For example, a 12 inch (30.5 cm) bag equals a flight spacing of 14.4 inches (36.5 cm). Round 14.4 inches (36.5 cm) UP to 15 inches (38 cm). The chart above shows three examples of how to use this formula to calculate conveyor speed as it relates to different bag widths.

FLOW DIAGRAM

To determine the correct flow direction, visualize your packages moving away from you, towards the Kwik Lok Closing System.
If the open end of the bag is on your right hand side - the flow direction is RIGHT HAND.
If the open end of the bag is on your left hand side - the flow direction is LEFT HAND.

LEFT HAND FLOW   YOU   YOU   RIGHT HAND FLOW