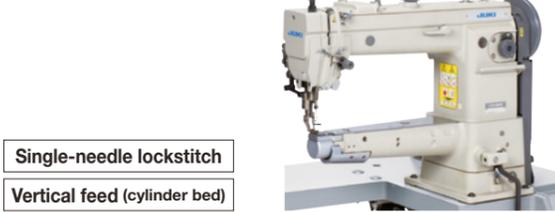


High-performance top and bottom feed sewing machine born from advanced technology. This machine exhibits its power in sewing cloth that is difficult to feed or tends to shift easily. Stable sewing quality has been realized without unevenness of stitch length.

Leads diversified sewing works with easy-to-use cylinder bed!! Improves production capacity with excellent small radius maneuverability.



LY2-3750-B1T

LY3-6840-B0T

Products: Bags, backpacks, car seats, airbags, etc.

Products: Bags and backpacks, etc.

SPECIFICATIONS

Model name	LY2-3750-B1T
Stitching style	Single-needle lockstitch
Application	Thick materials
Max. speed	2,000 sti/min*
Max. stitch length	8mm
Presser foot height (by hand)	6mm
Presser foot height (knee)	16mm
Needle	135 x 17 (DP x 17) #22 (DB x 1 #22)
Hook	Horizontal-axis double-capacity rotary hook
Needle bar stroke	38mm
Thread cutting equipment	Available
Touchback equipment	Available
Oil lubrication	Automatic oil lubrication system
Upper feed foot alternate amount	2 to 5mm (dial system)
Bed shape	Flat bed type
Distance from needle to machine arm	335mm
Bed dimensions	517 x 178mm
Mass	34kg

* sti/min is the abbreviation for "stitches per minute"

SPECIFICATIONS

Model name	LY3-6840-B0T
Stitching style	Single-needle lockstitch
Application	Thick materials
Max. speed	2,000 sti/min*
Max. stitch length	7mm
Presser foot height (by hand)	6mm
Presser foot height (knee)	15mm
Needle	135 x 17 (DP x 17) #22 (DB x 1 #22)
Hook	Horizontal-axis double-capacity rotary hook
Needle bar stroke	38mm
Thread cutting equipment	Not available
Touchback equipment	Available
Oil lubrication	Automatic oil lubrication system
Upper feed foot alternate amount	2 to 5mm (dial system)
Bed shape	Cylinder bed type (cylinder diameter 47mm)
Distance from needle to machine arm	335mm
Bed dimensions	Not available
Mass	39kg

* sti/min is the abbreviation for "stitches per minute"

WHEN YOU PLACE ORDERS

Code	Hook	Code	Other categories
B	Horizontal-axis double-capacity rotary hook	T	With touch-back switch

LY2-3750-B1T

Code	Thread trimmer
1	Equipped

WHEN YOU PLACE ORDERS

Code	Hook	Code	Other categories
B	Horizontal-axis double-capacity rotary hook	T	With touch-back switch

LY3-6840-B0T

Code	Thread trimmer
0	Not equipped



Registered Organization: JUKI CORPORATION Head Office
The Scope of the Registration: The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.



SEWING BUSINESS UNIT

2-11-1, TSURUMAKI, TAMA-SHI, TOKYO 206-8551, JAPAN
PHONE: (81) 42-357-2355 FAX: (81) 42-357-2274
<https://www.juki.co.jp/en>

● Specifications and appearance may be changed without notice for improvement purposes.
● To ensure safe use, be sure to read the instruction manual before use.

The information in this catalog is current as of February 2026. (Rev01) (JC)

LY2-3750-B1T / LY3-6840-B0T

Lockstitch, Top and bottom feed Sewing machine

Sewing machine suitable for sewing thick materials and leather. Realizes wide space under the arm with adoption of high long arm. Adoption of Limiservo X G-series improves operability and mobility of the machine.



Lockstitch vertical feed

Our proven top and bottom feed mechanism and servo motor improve ease of use and increase productivity. The cylinder-bed is also lined-up which enables diverse sewing operations.

The reliable vertical feed mechanism firmly captures material that is difficult to feed and slippery fabric, demonstrating the power to create reliable stitches. In addition, sewing machine operability and sewability are further improved by using the Limiservo XC-G Series.



Top and bottom feed mechanism for reliable feeding

Uses vertical feed to catch and reliably feed material that is difficult to feed.



Touchback switch

Light touch for quick response. Enables needle raising and correction stitches.



Stable thread cutting performance from thin to thick threads

Our proven left rotating knife and right fixed knife meshing system enables excellent cutting of thread from thin to thick threads (#6). (Supports LY2-3750)

Options

■ **Control panel XC-G500**

By attaching the operation panel to the sewing machine, the operator can perform operations without crouching. Operability has been greatly improved compared to conventional functions, and storage volume of setting data has been doubled.



■ **Variable speed pedal XC-CVS-3**

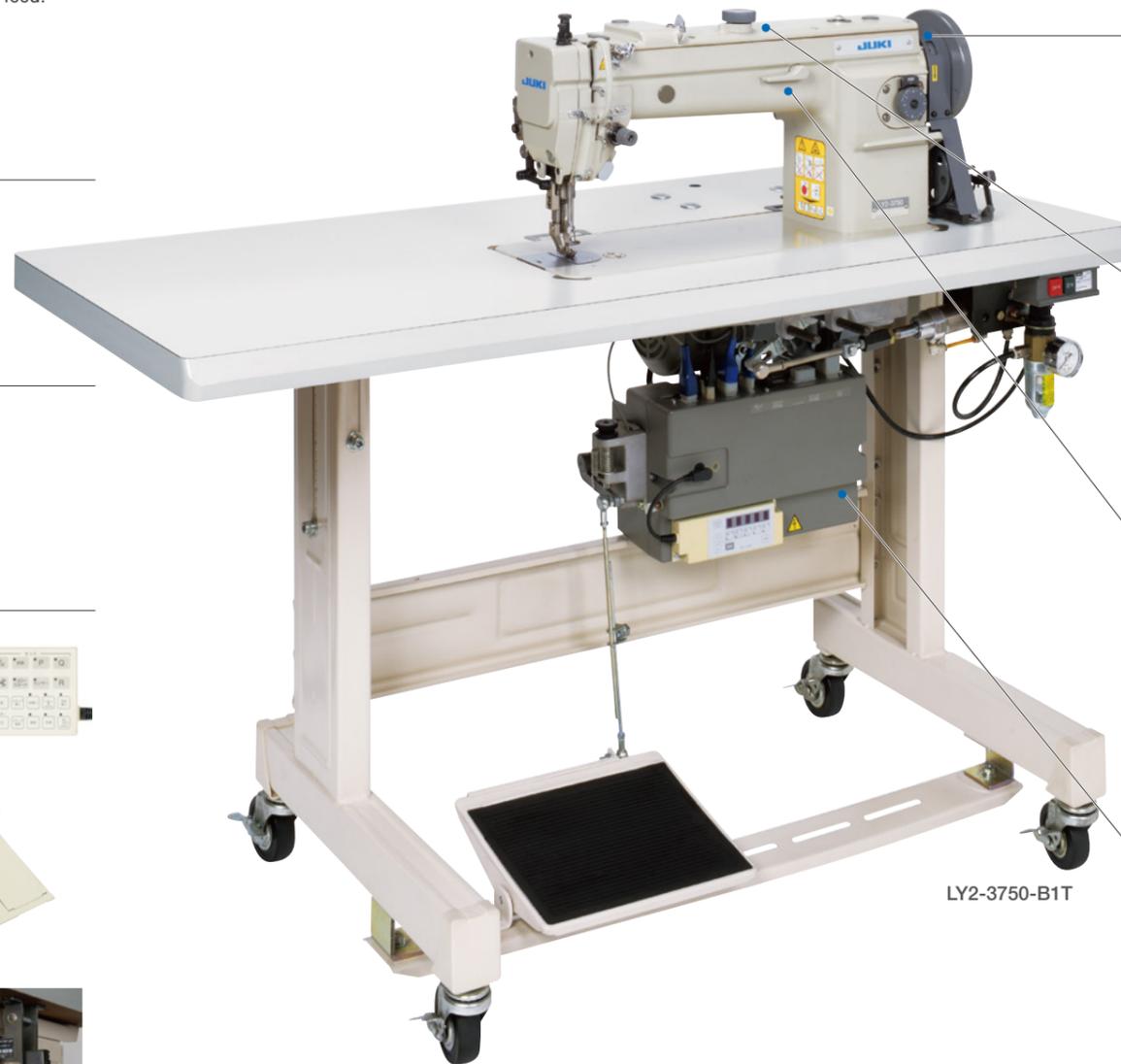
Variable speed operation is possible for standing work. It is especially effective such as when sewing corner curves.

- Variable speed operation is possible according to how much the pedal is depressed.
- The pedal can be easily secured on the table leg side rail.
- External signal operation is possible by using the foot switch for thread trimming and presser foot operation.



■ **Automatic foot lifter (Pneumatic) LE-FA**

By adopting the pneumatic type, a presser lifting operation that was conventionally performed with the operator's knee can be performed with the pedal. This eliminates the need for the operator to raise a knee during sitting work, reducing the burden on the operator. This device must always be attached during stand-up work.



LY2-3750-B1T

Built-in detector that detects the position with high accuracy

Upper and lower needle stop positions can be separately adjusted with a single operation. The display lamp shows the power status at a glance.



Alternating vertical movement dial adopted

By turning the dial, the amount of alternating vertical movement can be easily changed without tools.



Presser lifting lever attached on arm front surface

The presser lifting lever is arranged on the arm front surface. This makes the lever easier to operate.



Powerful & high-performance Limiservo X G-series

Our unique control technology realizes strong penetration from the first stitch. We have also realized reductions in size and weight, and have significantly improved durability.

- Equipped with simple sequence function
- Reverse-rotation needle-up function facilitates setting up and taking out sewing materials.

