

# LSWN series

High speed, Large vertical axis hook, Reverse stitch, Compound feed and walking foot, Lockstitch machines



LSWN-8BL-2

## Variety



LSWN-8BL-2

Single needle, compound feed and walking foot, reverse stitch



LSWN-8BLV-2

Single needle, compound feed and walking foot, reverse stitch, synchronized binder



LSWN-28BL-2

Two needle, compound feed and walking foot, reverse stitch



LSWN-8BLV-2



Open/close simplified face plate and upper feed mechanism



Large pulley (O.D. 150mm)

## Applications

For sewing medium to heavy weight fabrics, leather, vinyl, synthetics and laminated and coated materials.

Suitable for sewing such as boat and furniture upholstery, tarpaulins, covers, awnings, tents, umbrellas, handbags, luggage, travelware accessories, sports and camping equipment, wearing apparel, outdoor clothing, footwear, foundation garments and orthopedic appliances.



## Features

- Totally renewed external appearance./adoption of advanced and massive arm design (realizing lower noise/less vibration).
- Improved exposure of arm-feeding mechanism components which provides safety environment.(mechanical part of alternating presser foot, foot lifter mechanism(knee lifter) and presser foot spring relevant parts)
- Plain needle drop area/adoption of open/close simplified face plate which provides wide-ranged movement of sewn material.
- Adoption of feed-adjusting dial which eases determination process of stitch length.
- Advanced penetration required for sewing of thick material/adoption of large pulley(O.D. 150mm) which enables the needle bar to be positioned properly.
- Elongated work space/adoption of built-in bobbin winder which no longer require mounting process.
- Adoption of die-casting oil pan of which by-knee-lifter is built-in, aiming at efficient installment
- Standard equipment of long stitch (max.10mm) suitable for thick material and amount of alternative presser lift (max. 6mm)
- Large vertical axis hook (Automatic hook lubrication).
- Safety clutch prevents the hook from being damaged.
- Available in "THICK THREAD VERSION"(for heavier material). Add suffix "TA" when ordering.
- Available "3 INCH" needle gauge machine.
- 18 inch long arm version available (LLW series).



Built-in bobbin winder



Feed-adjusting dial

## Specifications (LSWN- )

| Variety                        |         | 8BL-2  | 8BLV-2          | 28BL-2          |
|--------------------------------|---------|--|-----------------|-----------------|
| Number of needle               |         | Single needle  |                 | Two needle      |
| Max. sewing speed              |         | 2,800(s.p.m.)  | 2,500(s.p.m.)   | 2,600(s.p.m.)   |
| Max. stitch length             |         | 25/64" (10 mm)   | 1/4" (6.2 mm)   | 25/64" (10 mm)  |
| Clearance under presser foot   | by knee | 5/8" (16 mm)   | 15/32" (12 mm)  | 33/64" (13 mm)  |
|                                | by hand | 21/64" (8.5 mm)  | 21/64" (8.5 mm) | 21/64" (8.5 mm) |
| Needle bar stroke              |         | 1-5/16" (33.2 mm)  |                 |                 |
| Needle(standard)               |         | DPx17 (#22) , 135x17 (#140)                              |                 |                 |
| Thread                         |         | #8 (standard)  |                 |                 |
| Hook                           |         | Large vertical axis hook (2.0 times)                     |                 |                 |
| Amount of lift of walking foot |         | 1/8"-15/64" standard 5/32"<br>(3 - 6 mm) (standard 4 mm) |                 |                 |
| Thread take up lever           |         | Slide type   |                 |                 |
| Lubrication                    |         | Semi-automatic type                                      |                 |                 |
| Bed size                       |         | 20-25/64"x 7" (518 x 177 mm)                             |                 |                 |
| Working space                  |         | 10-5/32"x 4-21/64" (258 x 110 mm)                        |                 |                 |
| Motor                          |         | Clutch motor   |                 |                 |
| Net weight(Head only)          |         | 42.5Kg   | 44.5Kg          | 45Kg            |

NOTE (1) Speed depends on threads, materials and type of operation  
(2) Specifications subject to change without notice

## Needle gauge list

| Variety | Needle gauge size  |
|---------|--|
| 28BL    | 1/4"(6.4 mm), 5/16"(7.9mm), 3/8"(9.5mm), 1/2"(12.7mm), standard : 1/4"(6.4 mm) |



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