

# LPWN series

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



LPWN-28BL

## Variety



LPWN-8BL (8BL-1)

Single needle, compound feed and walking foot, reverse stitch



LPWN-8BLC

Single needle, compound feed and walking foot, reverse stitch, thread trimmer



LPWN-28BL (28BL-1)

Two needle, compound feed and walking foot, reverse stitch



LPWN-28BLC

Two needle, compound feed and walking foot, reverse stitch, thread trimmer



Open/close simplified face plate  
and upper feed mechanism



Large pulley  
(O.D. 150mm)



Central guide (option)  
(No.14626C)

## Applications

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

Suitable for sewing such as boots, shoes, gloves  
luggage, handbags, awnings, covers and tents.



## 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)
- Post bed and wide working space makes it easy for sewing of large materials.
- Large vertical axis hook (Automatic hook lubrication).
- Safety clutch prevents the hook from being damaged.
- Automatic back tack (BT) and foot lift (FL) available. (-8/28BLC)
- Available in "THICK THREAD VERSION"(for heavier material). Add suffix "A" when ordering.



Built-in bobbin winder



Feed-adjusting dial

## Specifications (LPWN- )

| Variety                        | 8BL-1  | 8BL            | 8BLC            | 28BL-1     | 28BL           | 28BLC |
|--------------------------------|--|----------------|-----------------|------------|----------------|-------|
| Number of needle               | Single needle  |                |                 | Two needle |                |       |
| Max. sewing speed              | 2,400(s.p.m.)  |                |                 |            |                |       |
| Max. stitch length             | 5 mm   | 25/64" (10 mm) |                 | 5 mm       | 25/64" (10 mm) |       |
| Clearance under presser foot   | by knee  |                | 33/64" (13 mm)  |            |                |       |
|                                | by hand  |                | 21/64" (8.5 mm) |            |                |       |
| Needle bar stroke              | 1-5/16" (33.2 mm)  |                |                 |            |                |       |
| Needle(standard)               | DPx17 (#24) , 135x17 (#180)                                |                |                 |            |                |       |
| Thread                         | #20 ~ #5 ( #5 standard )                                   |                |                 |            |                |       |
| Hook                           | Large vertical axis hook                                   |                |                 |            |                |       |
| Amount of lift of walking foot | 7/64"-15/64" standard 1/8"<br>(2.7 - 6 mm) (standard 3 mm) |                |                 |            |                |       |
| Thread take up lever           | Slide type   |                |                 |            |                |       |
| Lubrication                    | Semi-automatic lubrication                                 |                |                 |            |                |       |
| Bed size                       | 20-25/64"x 7" (518 x 177 mm)                               |                |                 |            |                |       |
| Post height                    | 7" (178mm)   |                |                 |            |                |       |
| Working space                  | 10-5/32"x 11-11/32" (258 x 288 mm)                         |                |                 |            |                |       |
| Motor                          | Clutch motor   |                | AC Servo motor  |            | AC Servo motor |       |
| Net weight (Head only)         | 51Kg   |                | 52.5Kg          |            | 53.5Kg         |       |

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/28BLC | 1/16"(1.6mm) ~ 3/8"(9.5mm) | standard 1/4"(6.4mm) |



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