

## LSWN series

### 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)
	by hand	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" (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

### 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)