

LPWN 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)
- 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" (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		Clutch motor	
Net weight (Head only)	51Kg		52.5Kg		53.5Kg	
					55Kg	

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)