

DDL-8700A-7

Direct-drive, High-speed, 1-needle, Lockstitch Machine with Automatic Thread Trimmer



The sewing machine has been integrated with the control box and the operation panel for ease of use.



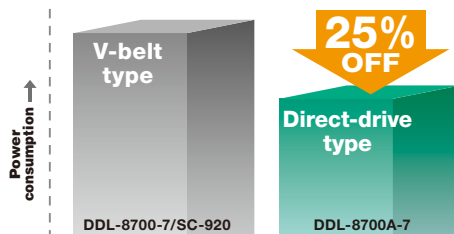
DDL-8700AS-7-WB

Features

- The direct drive system has been adopted.
- Both the control box and the operation panel are integrated with the machine head.
- Maximum sewing speed 5,000 sti/min (for medium-weight materials)
- Enhanced energy-saving performance



The new model with the direct-drive system has been developed based on the DDL8700-7 machine head. The machine demonstrates improved responsiveness to promise stress-free operation. In addition, the control box and operation panel are integrated with the motor cover of the machine head, to simplify the setup procedure.



Comparison mode: Relative to the power consumed in four seconds, including the time required for sewing 100 stitches (including eight reverse-feed stitches each at the beginning and end of sewing) and the standby time (with the energy-saving mode OFF)

Enhanced energy-saving performance

The new-model compact-sized servomotor has been installed in the direct-drive style. The new-model servomotor improves energy consumption and achieves increased speed and torque. As compared with the belt-driven DDL-8700-7, the DDL-8700A-7 achieves a reduction of power consumption by 25 %.

JUKI ECO PRODUCTS



JUKI ECO PRODUCTS

The DDL-8700A-7 is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.

- This sewing machine reduces power consumption by 25% as compared with the conventional models.
- The sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances, which is stricter than other restrictions, such as those of the RoHS Directive.

For details of JUKI ECO PRODUCTS, refer to: http://www.juki.co.jp/eco_e/index.html

*The RoHS Directive is an EU Directive limiting the use of 6 hazardous substances (lead, hexavalent chromium, mercury, cadmium, PBB and PBDE) in electrical and electronic equipment.
The Juki Green Procurement Guideline is the voluntarily established criteria to eliminate not only the aforementioned six substances, but also other ones which also adversely affect the environment.

● Direct-drive

The machine has adopted the direct-drive system, which provides excellent responsiveness. It helps reduce operator fatigue and achieve a comfortable work environment. Since the sewing machine has no V-belt, the operator needs neither to clean up shavings from the V-belt, nor adjust the V-belt tension.

● Control box and Operation panel

The control box and operation panel are integrated with the motor cover of the machine head. The machine is provided as standard with the operation panel.

● Bobbin thread winder

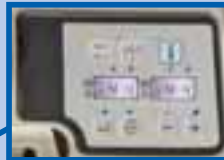
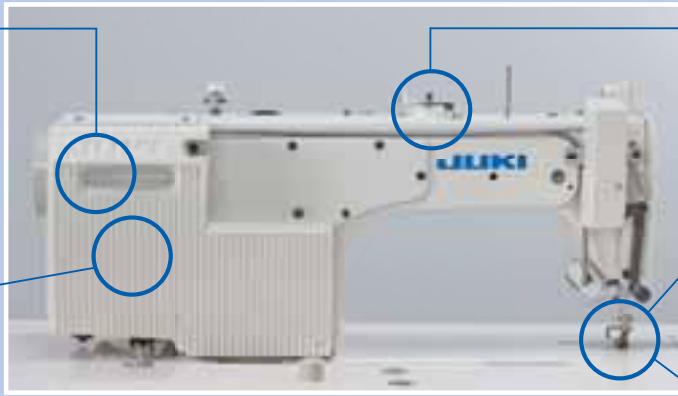
The bobbin winder is installed on the top of the machine head in order to improve workability at the time of bobbin replacing.

● Automatic thread trimmer mechanism

Thread trimming speed has been increased. As compared with the DDL-8700-7, it has been increased by **approximately 1.5 times**, thereby contributing to increased productivity.

● Gauge

All of the gauges for the DDL-8700-7 are applicable to the new model.



Operation panel

The operation panel provided as standard is provided the functions shown in the following table.

Function table of operation panel

Main function	
Production support function*	○
Automatic reverse-feed stitching (performed at start/end of sewing; selectable)	0 to 15 stitches
Double reverse-feed stitching (performed at start/end of sewing; selectable)	0 to 15 stitches
Multi-layer stitching	0 to 15 stitches, 0 to 9 times
Display of sewing speed	○

* The production support function actually consists of three different functions (six different modes), which are the output control function, operation measuring function and bobbin thread counter function.



■ SPECIFICATIONS

Model name	DDL-8700AS-7	DDL-8700AH-7
Application	Medium-weight	Heavy-weight
Max. sewing speed	5,000sti/min	4,000sti/min
Max. stitch length	4mm	5mm
Presser foot	By hand:5.5mm, By Knee:13mm	
Lubricating oil	JUKI Machine Oil 7 (equivalent to ISO VG7)	
Needle	DB×1(#14)#9-#18	DB×1(#21)#20-#23
Power consumption	210VA	
Weight of machine head	35kg (include motor, control box, cover)	
Outside dimensions of package (mm)	803×278×459 (0.102m ³)	

* "sti/min" stands for "Stitches per Minute."

■ WHEN YOU PLACE ORDERS

Please note when placing orders, that the model name should be written as follows:

Machine head

DDL8700A 7

Option panel

CP180D

Option part

Description	Name of Part	Part No.
LED lamp (JL-1)	LED_ALL_ASSY	40114345

Application	Code
Medium-weight	S
Heavy-weight	H

Wiper and one-touch type reverse feed		
Wiper	One-touch type reverse feed	Code
Not provided	Provided	0B
Provided	Provided	WB

Power supply	Code
3-phase 220V~240V (for General Export, JA*)	D
Single-phase 220V~240V (for General Export, China)	K
Single-phase 220V~240V (for CE)	N

Auto-lifter	Code
Not provided	
Provided	AK85A

*JA:North America and Central and South America.

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* Specifications and appearance are subject to change without prior notice for improvement.
 * Read the instruction manual before putting the machine into service to ensure safety.



JUKI CORPORATION HEAD OFFICE

Juki Corporation operates an environmental management system to promote and conduct the following as the company engages in the research, development, design, sales, distribution and maintenance of industrial sewing machines, household sewing machines, industrial robots, etc., and in the provision of sales and maintenance services for data entry systems:

- (1) The development of products and engineering processes that are safe to the environment
- (2) Green procurement and green purchasing
- (3) Energy conservation (reduction in carbon-dioxide emissions)
- (4) Resource saving (reduction of papers purchased, etc.)
- (5) Reduction and recycling of waste
- (6) Improvement of logistics efficiency (modal shift and improvement of packaging, packing, etc.)