

MO-6800S(D)/DD10 Series

Direct-drive, High-speed, Overlock / Safety Stitch Machine

Energy-saving servomotor is installed in the direct-drive style.



MO-6816S/DD10

Features

- The direct drive system has been adopted.
- Both the control box and the operation panel are integrated with the machine head.

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The energy-saving and highly efficient servomotor is installed in the direct-drive style. The sewing machine quickly starts up and stops with increased accuracy, thereby demonstrating improved responsiveness.

Operator fatigue reduction (LED light)

For the LED light, the improved toning function with two additional colors (white / light bulb color) is provided. Illuminance of the LED light is adjustable in five levels. This LED light helps reduce the operator's eye fatigue who is engaged in sewing work for a long time.

USB Port

The USB port is standard on the control panel and You can easily upgrade the software.

USB Port



SPECIFICATIONS <6800S(D)/DD10 Series>

Model name	MO-6804S(D)/DD10	MO-6814S(D)/DD10	MO-6816S(D)/DD10	MO-6843S(D)/DD10
Stitch type	1-needle overlock	2-needle overlock	Safety stitching	3-needle safety stitching
Stitch style in the U.S.A.	504	514	516	—
Max. sewing speed	7,000sti/min*			
Stitch length	0.6~3.8(4.5)mm			
Needle gauge	—	2.0mm	3.0, 5.0mm	3.0+2.0mm(S Type Only), 5.0+2.0 mm
Overedging width	1.5mm (S Type Only), 4.0mm	3.0, 4.0mm	4.0, 5.0, 6.0mm (S Type Only)	3.0mm
Bottom differential feed ratio	Gathering 1:2 (Max. 1:4), Stretching 1:0.7 (Max. 1:0.6)			
Needle bar stroke	24.5mm (60H: 27.0mm)			
Inclination angle of the needle	20°			
Needle mechanism	Lower bushing method			
Needle	DC×27 (excluding some subclass model)			
Max. lift of the presser foot	7mm (excluding some subclass model)			
Max. presser foot pressure	63.7N (6.5kgf)			
Stitch adjusting method	By push-button			
Differential-feed adjusting method	By lever (with micro-adjustment)			
Weight of the machine head	27kg			
Lubrication	Automatic (The needle bar mechanism and upper looper mechanism do not require lubrication.)			
Lubricating oil	JUKI Machine Oil 18 (equivalent to ISO VG18)			
Needle cooler	Provided as standard			
Needle thread heat remover	Provided as standard			
Micro-lifter	Option			

*sti/min is the abbreviation for "stitches per minute"

WHEN YOU PLACE ORDERS

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

Stitch type	U.S.A	Code	Type	Code	Device and attachment	Code	Motor	Code
1-needle overlock	504	04	Standard	S	Tape attaching presser foot (for sewing sharp curves) / Tape guide	G44/Q143	Direct drive motor	DD10
2-needle overlock	514	14	Semi-dry	D	Clean finish top and bottom	N075		
2-needle safety stitch	516	16						
3-needle safety stitch		43						

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Needle gauge (mm)	Overedging width (mm)	Feed dog	Code	Material		Application	Special machine	Code	
				Extra light- to light-weight	Light-weight materials	Rolled hemming	Standard	150	
—	1.5	2-row	0A4	Light- to medium-weight	Specific to knits	Tape attaching	Standard	24H	
—	4.0	2-row	0E4			For general fabrics	Standard	Standard	30H
2.0	2.0	3-row	BB6				Standard	Anti-mareial-slip	30P
2.0	3.0	3-row	BD6				Tape attaching	Standard	34H
2.0	4.0	3-row	BE6	Medium- to heavy-weight	Specific to knits such as sweaters	Rolling-in tape	Standard	360	
3.0	4.0	2-row	DE4			Standard	Standard	40H	
5.0	5.0	3-row	FF6			Tape attaching	Standard	44H	
5.0	6.0	3-row	FH6	heavy-weight	Medium- to heavy-weight materials such as denim	Standard	Standard	50H	
5.0+2.0	3.0	3-row	1D6			Standard	Standard	60H	
3.0+2.0	3.0	3-row	2D6		heavy-weight	Standard	Standard	60H	

JUKI ECO PRODUCTS

The MO-6800S(D)/DD10 Series is an eco-friendly product which complies with JUKI ECO PRODUCTS standards for protecting the environment.

● 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: <https://www.juki.co.jp/en/company/eco>

*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.



MS
CM001



EMS
ISO14001
JSAE389

Registered Organization: JUKI CORPORATION Head Office
The Scope of the Registration: The activities of research, development, design, sales, distribution, and maintenance services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.



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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.
- * This catalogue prints with environment-friendly soyink on recycle paper.
- * Paper from responsible sources FSC™ C001712