

## MO-6800S/DD10, DD22, DD23 Direct-drive, High-speed, Overlock / Safety Stitch Machine

## MO-6800D/DD10, DD22, DD23

Semi-dry-head, Direct-drive, High-speed, Overlock / Safety Stitch Machine

Energy-saving servomotor is **Features** ● The direct drive system installed in the direct-drive style. has been adopted. Both the control box and the operation panel are integrated with the machine head. MO-6800S/DD Series MO-6816D/DD22 MO-6800D/DD Series

### **Smart Devices**

#### The cover sensor unit and cover microswitch unit

The cover sensor unit and cover microswitch unit that detect 1, 2 and 3 (shown right) are closed tightly during sewing, thereby preventing the sewing machine from starting up unexpectedly.







with an open/close microswitch



with an open/close sensor

### **SPECIFICATIONS**

		MO-6800S/	DD10, 22, 23			MO-6800D/	DD10, 22, 23						
Model name	MO-6804S	MO-6814S	MO-6816S	MO-6843S	MO-6804D	MO-6814D	MO-6816D	MO-6843D					
Stitch type	1-needle overlock	2-needle overlock	Safety stitching	3-needle safety stitching	1-needle overlock	2-needle overlock	Safety stitching	3-needle safety stitching					
Stitch style in the U.S.A.	504	514	516	_	504	514	516	_					
Dry type	ı	_	_	Semi-dry	Semi-dry	Semi-dry	Semi-dry						
Max. sewing speed													
Stitch length		0.6~3.8(4.5)mm											
Needle gauge (mm)	1	2.0	3.0, 5.0	3.0+2.0, 5.0+2.0	ı	2.0	3.0	5.0+2.0					
Overedging width (mm)	1.5, 4.0												
Bottom differential feed ratio			Gatherin	g 1:2 (Max. 1:4), S	tretching 1:0.7 (M	ax. 1:0.6)							
Needle bar stroke				24.5	mm								
Inclination angle of the needle				20	)°								
Needle mechanism				Lower bush	ing method								
Needle			D	Cx27 (excluding so	me subclass mod	el)							
Max. lift of the presser foot			7	mm (excluding sor	ne subclass mode	el)							
Max. presser foot pressure				63.7N (	6.5kgf)								
Stitch adjusting method				By push	n-button								
Differential-feed adjusting method				By lever (with m	icro-adjustment)								
Weight of the machine head				27	kg								
Lubrication		Automatic (	The needle bar m	echanism and upp	er looper mechani	sm 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				Opt	ion								

<sup>\*</sup>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:

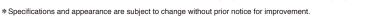
Stitch type	U.S.A	Code	Туре	Code	Device and attachment	Code	Power supply	Code
1-needle overlock	504	04	Standard	S	Latch for changing overedging width	E35	Single phase 200∼240V	K
2-needle overlock	514	14	Semi-dry	D	Tape attaching presser foot	G44Q143	Single phase 200~240V (CE)	N
2-needle safety stitch	516	16			(for sewing sharp curves) / Tape guide	G44Q143		
3-needle safety stitch	_	43						
		MC	68 🗆				<b>DD</b>	

								l		
Needle	Overedging				Material		Application	Special machine	Code	
gauge (mm)	width (mm)	Feed dog	Code	Extra light- to light-weight	Light-weight mate	rials	Rolled hemming	Standard	150	
_	1.5	2-row	0A4		Specific to knit	s	Tape attaching	Standard	24H	
_	4.0	2-row	0E4	Light- to			Standard	Standard	30H	
2.0	2.0	3-row	BB6	medium-weight	For general fabr	ics	Standard	Anti-marerial-slip	30P	1 -
2.0	3.0	3-row	BD6				Tape attaching	Standard	34H	
2.0	4.0	3-row	BE6		Specific to knits	S	Standard	Standard	40H	
3.0	4.0	2-row	DE4	Medium- to	such as sweate	rs	Tape attaching	Standard	44H	
3.0	4.0	3-row	DE6	heavy-weight	Medium- to heavy-w		Standard	Standard	50H	
5.0	5.0	3-row	FF6		materials such as d	lenim	Otaridard	Otaridard	3011	
5.0	6.0	3-row	FH6	heavy-weight	heavy-weight		Standard	Standard	60H	
5.0+2.0	3.0	3-row	1D6	ricavy-weight	ricavy-weight		Glandald	Glandald	0011	
3.0+2.0	3.0	3-row	2D6	*Code "60H" is availa	able only Type "S"					

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Code "60H" is availa	able only Type "S"	

•	Motor	Code
	Direct drive motor	DD10
	Direct drive motor (Side cutter with sensor / Automatic foot lifter / Chain-off thread suction)	DD22
	Direct drive motor (Chain-off thread trimming with sensor / Automatic foot lifter / Chain-off thread suction)	DD23

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\* 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

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# MO-6800S(D)/DD

The sewing machine is a direct drive type in which a control box and an operation panel are integrated with the machine head. The machine achieves a practical maximum sewing speed of 7,000 sti/min. The MO-6800D/DD series are eliminated oil stains on the sewing product with "dry" technology.

#### Automatic thread trimmer with a material sensor

The MO-6800S(D)/DD Series of sewing machine is provided as standard with the side cutter with 2-point material sensor (DD22) and the Chain-off the thread trimming device with a 3-point material sensor (DD23). Under the full-automatic mode, the material sensor detects the presence / absence of the material to prevent the operator from erroneously operate the side cutter etc. In addition to the full-automatic mode, the manual mode and the semi-automatic mode can be selected.



Model	Direct-drive motor Integrated head / panel	Sensor control	side cutter	Chain-off the thread trimming device	Auto-lifter	Chain-off thread suction device	Remarks
	integrated flead / parier		Pneumatic	Pneumatic	Pneumatic	Pneumatic	
DD10	•	_	*	*	*	*	*: Can be retrofitted
DD22	•	<ul><li>2-point sensor</li></ul>	•	_	•	•	With device
DD23	•	<ul><li>3-point sensor</li></ul>	_	•	•	•	with device

### Operator fatigue reduction (LED light) Standard equipment with all series

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.







Mixed color

Light bulb color

#### Operation panel and control box are integrated with the machine head

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

#### **USB** port

The USB port is standard on the control panel and You can easily upgrade the software. The MO-6800S (D)/ DD22, 23 has another one USB port for charging a smartphone, etc.





JUKI ECO PRODUCTS

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



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 sewing machine complies with the "Juki Group Green Procurement Guidelines" on the use of hazardous substances.

## SUBCLASS MACHINE LIST

	JOEAGO MAGILIM												
Seams	Model No.	Materials	Number of needles	of	Needle gauge (mm)	Overedging width	Number of feed dog rows	Stitch length (mm)	Bottom differentialfeed ratio	Presser lifting amount (mm)	Needle system	Max sewing speed (sti/min*)	Remarks

#### ● 1-needle overlock

For run	stit	ching in general fabric												
	s	MO6804S0E430H DD10*, DD22*	L~M	1	3	ı	4.0	2	3.8	1:0.7~1:2	6.0	DC×27 #11	7,000	
	D	MO6804D0E430H DD10*	L~M	1	3	1	4.0	2	3.8	1:0.7~1:2	6.0	DC×27 #11	7,000	

For rol	led I	hemming (folded downwar	rd)											P
9	s	MO6804S0A4150 DD10*, DD22*	EL~L	1	3	ı	1.5	2	3.8	1:0.7~1:2	6.0	DC×1 #8	7,000	

#### • 2-needle overlock

#### For runstitching in general fabric

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		MO6814SBD630H DD22*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
	s	MO6814SBE640H DD10*, DD22*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	6,500	
		MO6814SBE630P DD22*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	Anti-material-slip
		MO6814DBD630H DD22*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
~	D	MO6814DBE640H DD22*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DC×27 #11	6,500	
		MO6814DBB630P DD22*	L~M	2	4	2.0	2.0	3	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	Anti-material-slip
		MO6814DBE630P DD10*, DD22*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	Anti-material-slip

#### For tane attaching GAA: Tane attaching presser foot O1A3: Tane quide

ror tape	e au	taching G44: Tape attaching pr	esser 100t	Q143: 18	ipe guide							- III		- W i
		MO6814SBD624HG44Q143 DD10*, DD22*, DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #9	7,000	
		MO6814SBE624HG44Q143 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #9	7,000	
	s	MO6814SBD634HG44Q143 DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
		MO6814SBE634HG44Q143 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
		MO6814SBE644HG44Q143 DD10*, DD22*, DD23*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DC×27 #14	6,500	
- GP		MO6814DBD624HG44Q143 DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #9	7,000	
	D	MO6814DBE624HG44Q143 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #9	7,000	
	0	MO6814DBE634HG44Q143 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
		MO6814DBE644HG44Q143 DD22*, DD23*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DC×27 #14	6,500	
		stitching									D NE	4 %		

#### Safety stitching

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		MO6816SDE630H DD10*, DD23*	L~M	2	5	3.0	4.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
		MO6816SFF630H DD10*, DD22*, DD23*	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
	s	MO6816SFF650H DD10*, DD23*	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	7.0	DC×27 #16	6,500	
		MO6816SFH660H DD10*, DD23*	Н	2	5	5.0	6.0	3	4.5	1:0.9~1:1.7	7.0	DC×27 #21	6,000	
<b>SECRETARY</b>		MO6816SDE430P DD23*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	Anti-material-slip
		MO6816SDE430HE35 DD10*, DD23*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.0	DC×27 #11	7,000	
		MO6816DDE430H DD10*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	
	D	MO6816DDE430HE35 DD10*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	

#### ■ 3-needle safety stitching

<b>O</b> 0-	IIC	cu	ic salety stitching												- W
		S	MO6843S1D640H DD10*, DD23*	M~H	3	6	5.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DC×27 #11	7,000	
		3	MO6843S2D640H DD23*	M~H	3	6	3.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DC×27 #11	7,000	
		D	MO6843D1D640H DD10*, DD23*	M~H	3	6	5.0+2.0	3.0	3	3.8	1:0.7~1:2	5.5	DC×27 #11	7,000	

Sewn p	roduct pi	ctogram															
	T	1.0							200 B				L. C.		4		***
UNDER SHIRTS	T-SHIRTS	TROUSERS	ONE-PIECE	SKIRT	DRESS SHIRTS	BLOUSE	POLO SHIRTS	JUMPER	SPORTS WEAR	PAJAMA	KNIT SHIRTS	KNIT WEAR	SUIT	COAT	JEANS	HANDKERCHIEF	SCARF