

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 installed in the direct-drive style.

Features

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

MO-6800S/DD Series



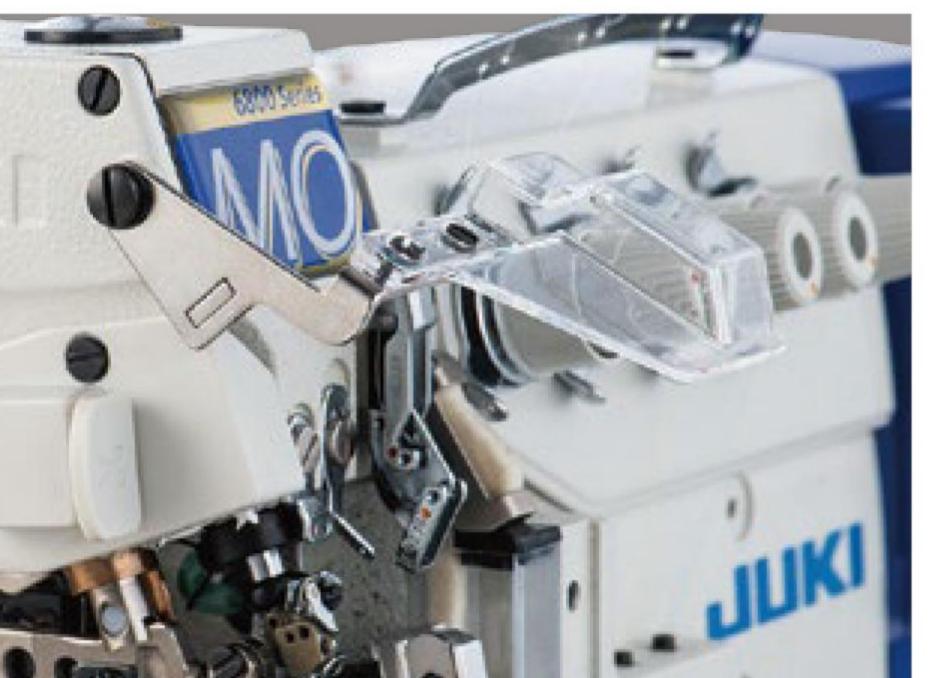


MO-6816S

Smart Devices

Cover Sensor Unit

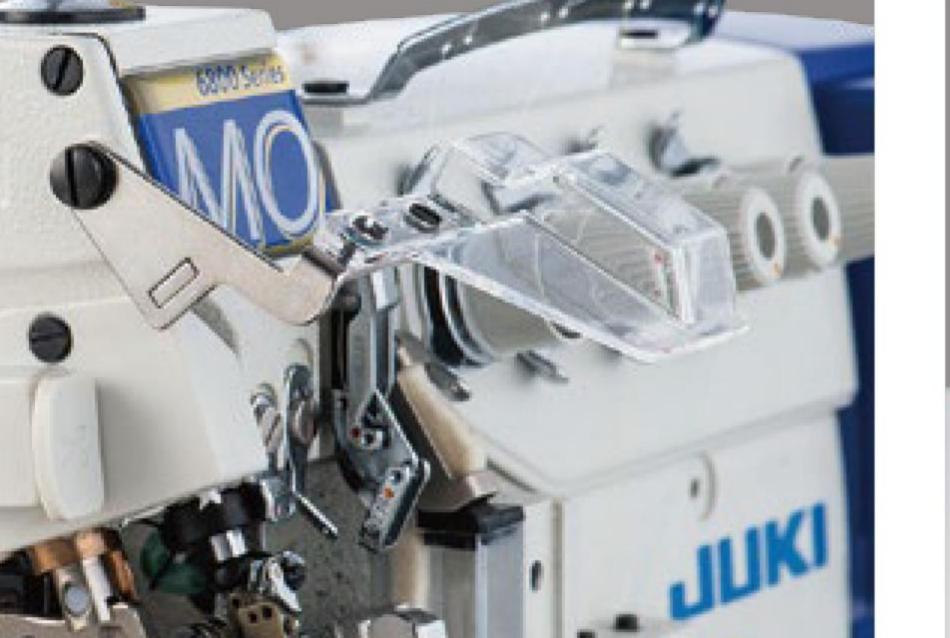
The cover sensor unit detecting 1, 2 and 3 (shown right) are closed tightly during sewing, thereby preventing the sewing machine from starting up unexpectedly.







3. Presser foot arm with an open/close sensor



SPECIFICATIONS

Needle mechanism

Micro-lifter

Needle

CITICATION								
		MO-6800S/	DD10, 22, 23			MO-6800D/	DD10, 22, 23	
odel name	MO-6804S	MO-6814S	MO-6816S	MO-6843S	MO-6804D	MO-6814D	MO-6816D	MO-6843D
ch 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
ch style in the U.S.A.	504	514	516		504	514	516	
orication					Semi-dry	Semi-dry	Semi-dry	Semi-dry
x. sewing speed				7,000s	ti/min*			
ch lengthpe				0.6~3.8	(4.5)mm			
edle gauge (mm)	<u>— </u>	2.0	3.0, 5.0	3.0+2.0, 5.0+2.0		2.0	3.0	5.0+2.0
eredging width (mm)	1.5, 4.0	3.0, 4.0	4.0, 5.0, 6.0	3.0	4.0	2.0, 3.0, 4.0	4.0	3.0
tom differential feed ratio			Gatherin	d 1.2 (Max 1.4) S	tretching 1:0 7 (M	ax 1:0.6)		

Stitch lengthpe				0.6~3.8	(4.5)mm								
Needle gauge (mm)	· ———	2.0	3.0, 5.0	3.0+2.0, 5.0+2.0		2.0	3.0	5.0+2.0					
Overedging width (mm)	1.5, 4.0	3.0, 4.0	4.0, 5.0, 6.0	3.0	4.0	2.0, 3.0, 4.0	4.0	3.0					
Bottom differential feed ratio			Gatherin	ng 1:2 (Max. 1:4), S	stretching 1:0.7 (M	ax. 1:0.6)							
Needle bar stroke		24.5mm											
Inclination angle of the needle	20°												

Lower bushing method

By lever (with micro-adjustment)

DCx27 (excluding some subclass model) Max. lift of the presser foot 7mm (excluding some subclass model) 63.7N (6.5kgf) Max. presser foot pressure Stitch adjusting method By push-button

Weight of the machine head Automatic (The needle bar mechanism and upper looper mechanism do not require lubrication.) Lubrication Lubricating oil JUKI Machine Oil 18 (equivalent to ISO VG18)

Needle cooler Provided as standard Needle thread heat remover Provided as standard

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

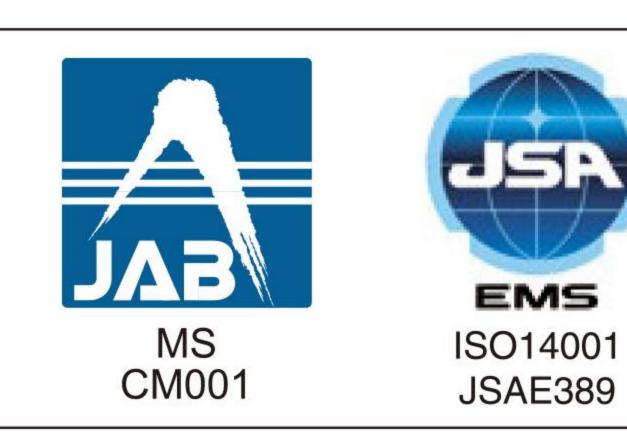
Differential-feed adjusting method

WHEN YOU PLACE ORDERS

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

04 04	Ot a sala sal		V The state of the			4							
	Standard	S	Latch for changing overedging width	E35	Single phase 200~240V	K							
14 14	Semi-dry	D	Tape attaching presser foot	G44O143	Single phase 200~240V (CE)	N							
16 16			(for sewing sharp curves) / Tape guide	G44Q143									
– 43													
3-needle safety stitch — 43													
	6 16 43	6 16	6 16 43	6 16 (for sewing sharp curves) / Tape guide	6 16 (for sewing sharp curves) / Tape guide G44Q143	(for sewing sharp curves) / Tape guide G44Q143							

							<u> </u>		
Overedging				Material		Application	Special machine	Code	Motor
Overedging width (mm)	Feed dog	Code	Extra light- to light-weight	Light-weight ma	aterials	Rolled hemming	Standard	150	Direct drive motor Direct drive motor
1.5	2-row	0A4		Specific to k	nits	Tape attaching	Standard	24H	(Side cutter with sensor/
4.0	2-row	0E4	Light- to			Standard	Standard	30H	Automatic foot lifter/ Cloth chip suction)
2.0	3-row	BB6	medium-weight	For general fa	abrics	Standard	Anti-marerial-slip	30P	
3.0	3-row	BD6				Tape attaching	Standard	34H	Direct drive motor
4.0	3-row	BE6		Specific to kr	nits	Standard	Standard	40H	(Pneumatic type tape cutter with sensor/
4.0	2-row	DE4	Medium- to	such as swea	aters	Tape attaching	Standard	44H	Automatic foot lifter/
4.0	3-row	DE6	heavy-weight	Medium- to heavy	y-weight	Standard	Standard	50H	Cloth chip suction)
5.0	3-row	FF6		materials such as	s denim	Staridard	Staridard	3011	
6.0	3-row	FH6	heavy-weight	heavy-weig	ht	Standard	Standard	60H	
3.0	3-row	1D6	Tiouvy woight	Tiouvy woig) ' ' '	Otaridard	Otaridard		
3.0	3-row	2D6	*Code "60H" is availa	ble only Type "S"					



services of industrial sewing machines, household sewing machines and industrial robots, etc., including sales and maintenance services of data entry systems.

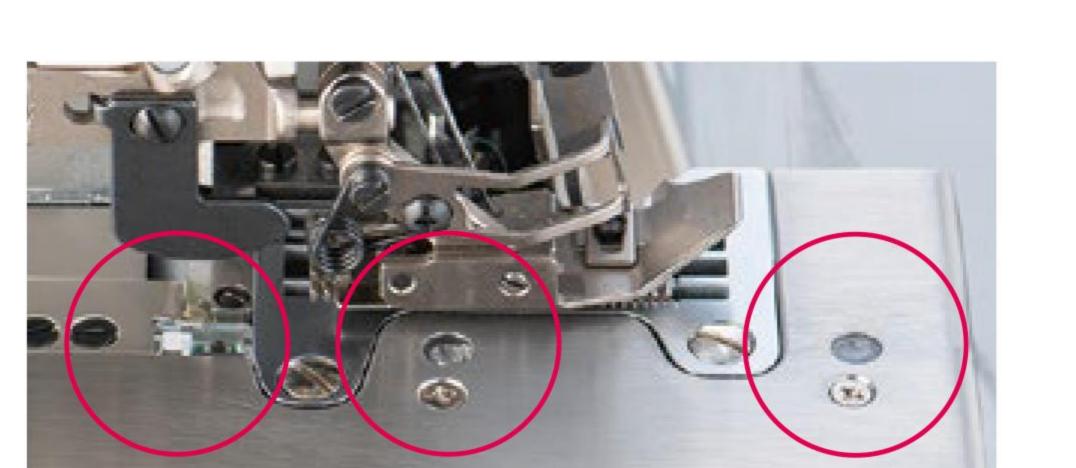


MO-6800S(D)/DD

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

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 tape cutter 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 or the tape cutter. In addition to the full-automatic mode, the manual mode and the semi-automatic mode can be selected.

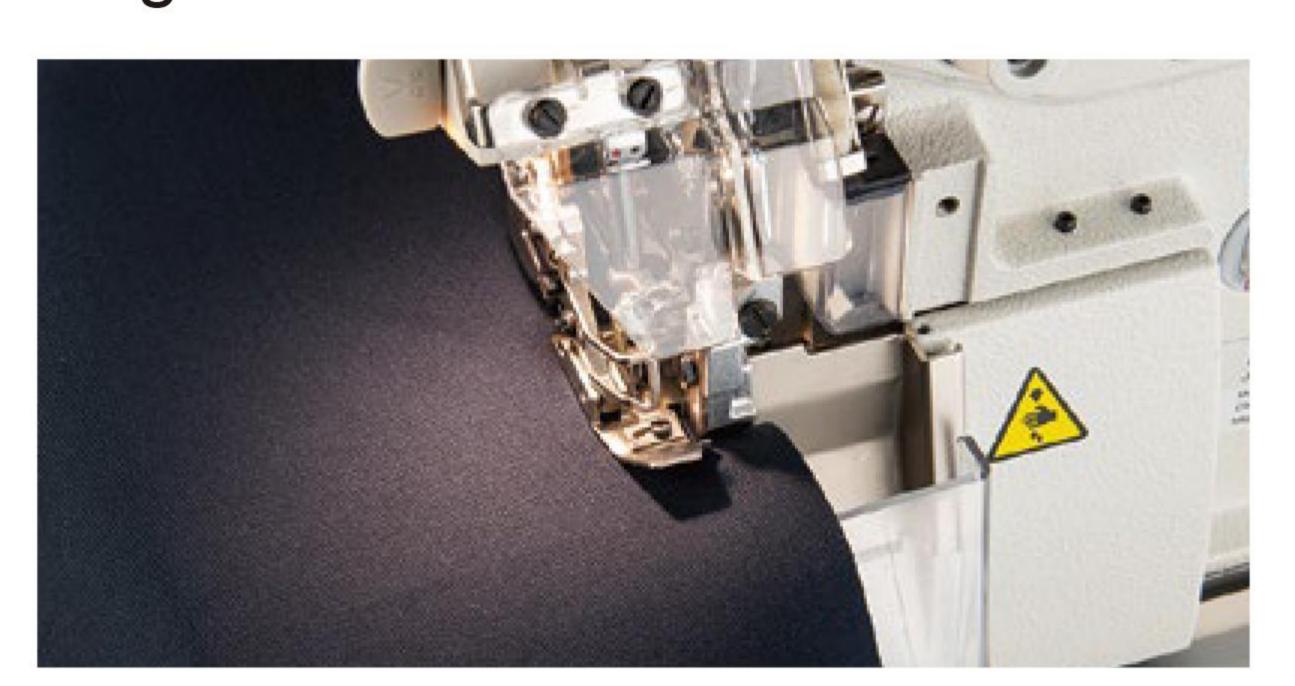


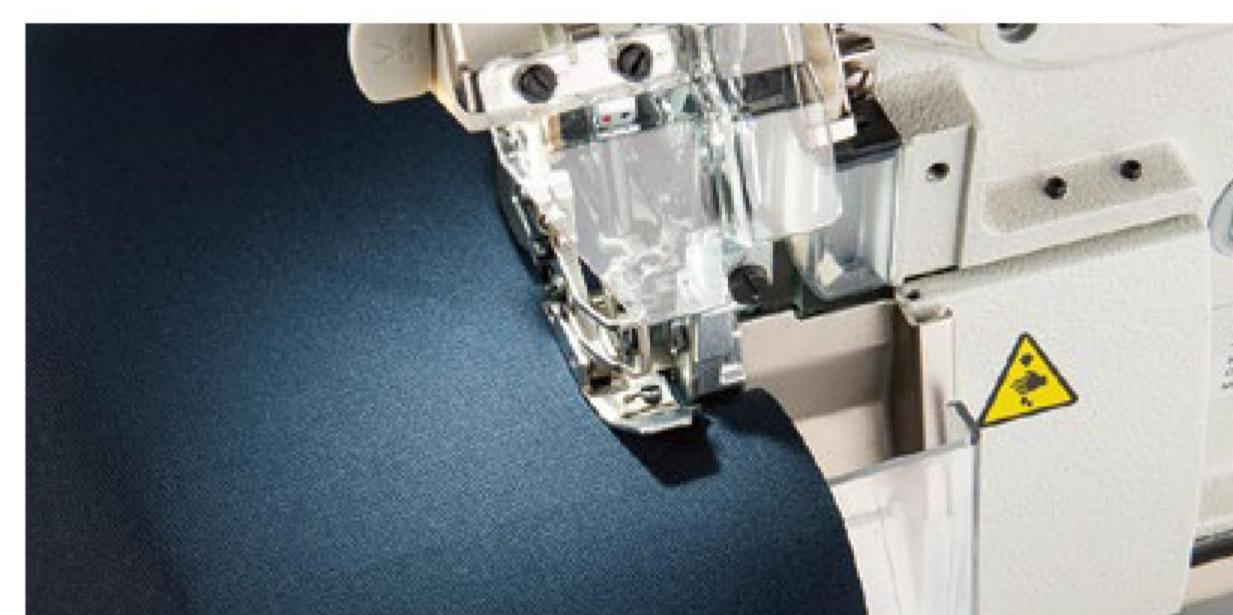
3-point sensor

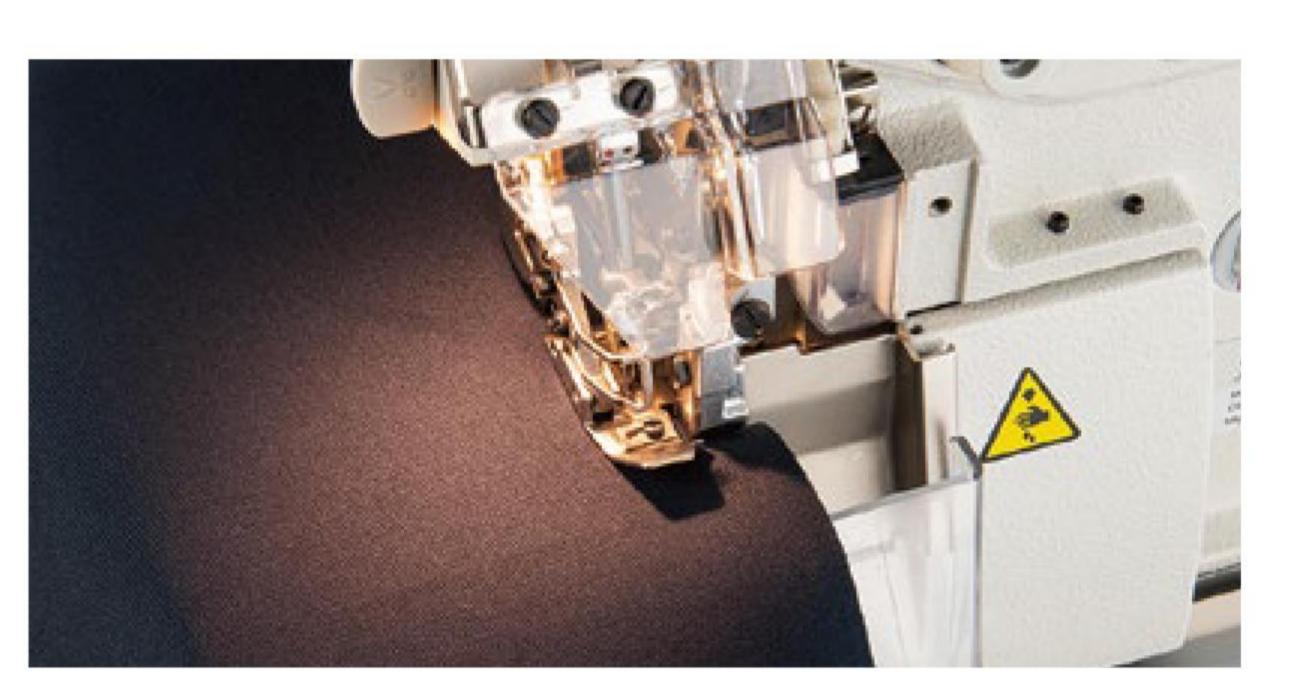
Model	Direct-drive motor	Sensor control	Pneumatic side cutter	Tape cutter	Auto-lifter	Pneumatic chain-off thread suction device	Remarks
	Integrated head / panel		Pneumatic	Pneumatic	Pneumatic	Pneumatic	
DD10			()		; :		Device retrofit
DD22				2			
DD23			5 				With device

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.







Light bulb color

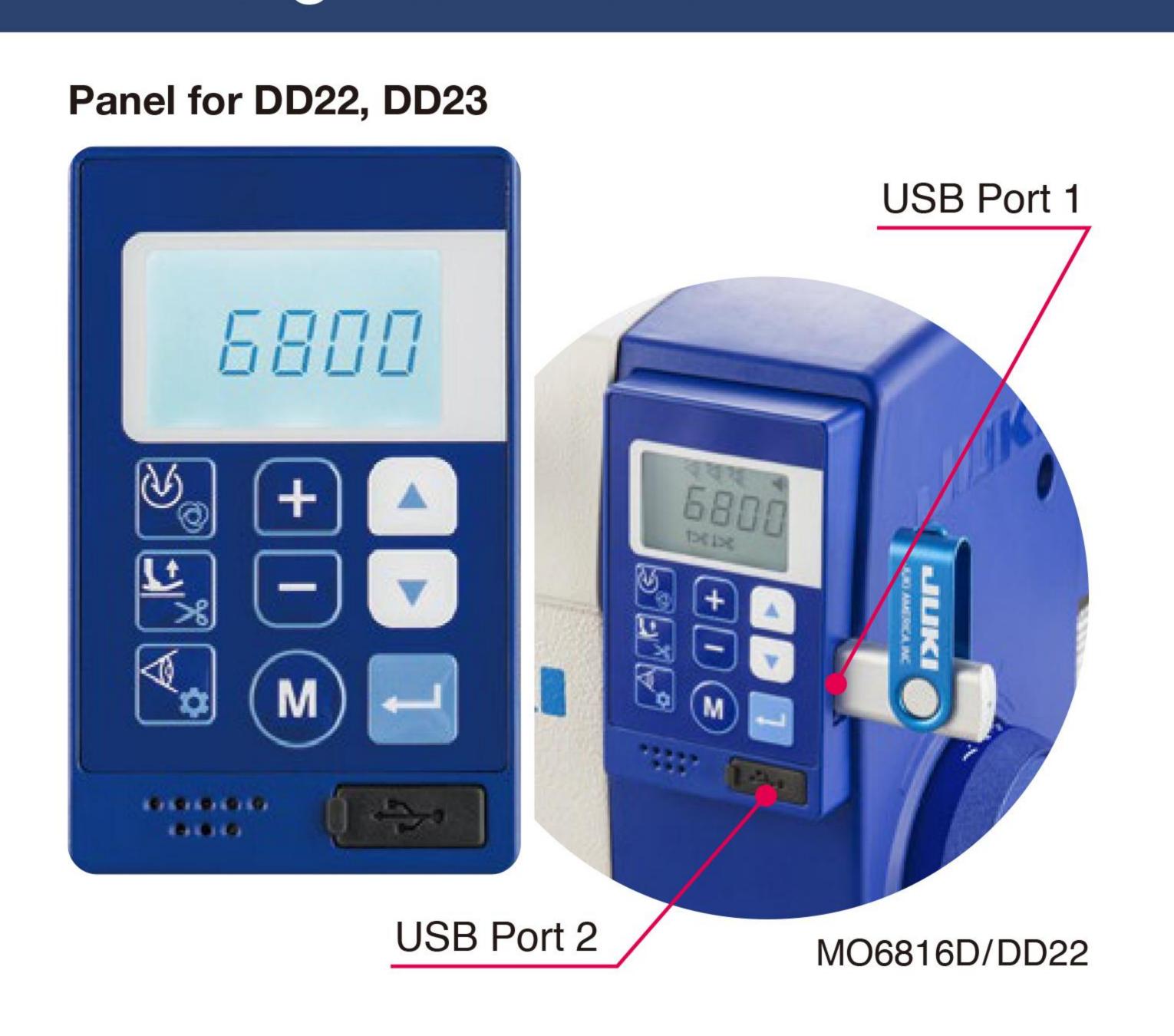
Mixed color

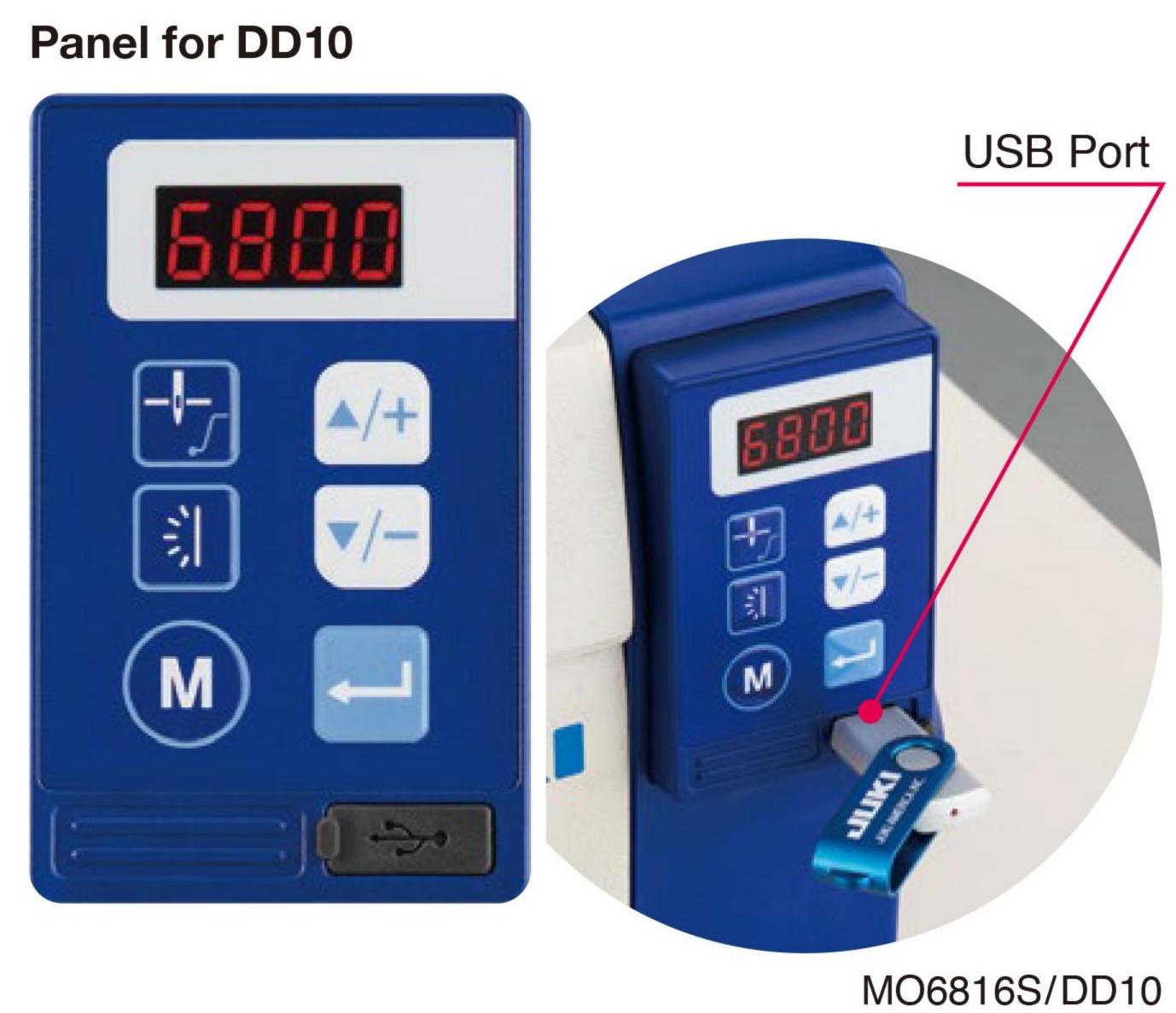
Operation panel and control box are integrated with the machine head

The energy-saving and highly efficient servomotor is installed in the directdrive 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.

● 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.

SUBCLASS MACHINE LIST

				9		↑ ↑↑		→	MAN CAN	Φ			
STATISTICAL STATIS			V	5	∀ ∀	<u> </u>	******	J		Presser	→ V	Max	Remarks
Seams	Model No.	Materials	Number of needles	of	Needle gauge (mm)	Overedging width	Number of feed dog rows	Stitch length (mm)	Bottom differentialfeed ratio	liftina	Needle system	sewing speed (sti/min*)	

1-needle overlock

		le overlock ching in general fabric											
De la constantion de la consta	S	MO6804S0E430H DD10*, DD22*	L~M	1	3	 4.0	2	3.8	1:0.7~1:2	6.0	DC×27 #11	7,000	
RESERVED TO THE PARTY OF THE PA	D	MO6804D0E430H DD10*	L~M	1	3	4.0	2	3.8	1:0.7~1:2	6.0	DC×27 #11	7,000	

MO6804S0A4150

For rolled hemming (folded downward)

STORES STORES	DD10*, DD22*	LL~L	1	3		1.5		3.0	1.0.7~1.2	0.0	#8	7,000	
	le overlock ching in general fabric										The T		
	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	

	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	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.0	DC×27	7,000	Anti-material-slip

For tape attaching G44: Tape attaching presser foot Q143: Tape guide

		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	
Sharman Park		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	
		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	
		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	

Safety stitching

For runstitching in general fabric

		stitching ching in general fabric												
		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	
THE PROPERTY OF THE PARTY OF TH	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	
		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

3-11C	Cui	ic salety stituing												
	6	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	
THE	S	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	

