



# MO-6800AS(D)/DD Series

## Automatic thread trimmer with a material sensor

The MO-6800AS(D)/DD Series of sewing machine is provided as standard with the side cutter with 2 material sensors (DD22) and the Tape cutter with 3 material sensors (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.



3 material sensors

Model	Direct-drive motor Integrated head / panel	Sensor control	Side cutter	Tape cutter	Automatic foot lifter	Waste removal suction device	Remarks
			Pneumatic	Pneumatic	Pneumatic	Pneumatic	
DD10	●	—	*	*	*	*	*: Can be retrofitted
DD22	●	● 2 material sensors	●	—	●	●	With device
DD23	●	● 3 material sensors	—	●	●	●	

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

For the LED light, the improved toning function with two additional colors (Cool White / Warm white) 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



Cool White



Warm white

## 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 lystsarts 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-6800AS (D)/DD22, 23 has another one USB port for charging a mobile phone, etc.

Panel for DD22, DD23



USB Port 2

USB Port 1

MO6814AD/DD22

Panel for DD10



USB Port

MO6814AS/DD10

## Devices And Attachments

Model	Part No.	Description	Feature
<b>Gathering device</b>			
S206	70000089	Swing-type gathering device (interlocked with pedal / for overlock machine) (with BE6 gauge)	The attachment opens with the presser foot pedal. This facilitates material setting on the machine.
S207	70000090	Swing-type gathering device (interlocked with pedal / for safety stitch machine) (with DF6 gauge)	
S208	70000091	Swing-type gathering device (interlocked with pedal / for safety stitch machine) (with FF6 gauge)	
<b>Guide, tape guide</b>			
H253	40159861	Cloth edge guide ruler (for overlock machine)	A swing type edge guide.
H254	40159862	Cloth edge guide ruler (for safety stitch machine)	

## SUBCLASS MACHINE LIST

Seams	Model No.	Materials	Number of needles	Number of threads	Needle gauge (mm)	Overedging width	Number of feed dog rows	Stitch length (mm)	Bottom differential/feed ratio	Presser lifting amount (mm)	Needle system	Max sewing speed (sti/min*)	Remarks
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### 1-needle overlock

For runstitching in general fabric

AS	MO6804AS0E430H DD10*, DD22*	L~M	1	3	—	4.0	2	3.8	1:0.7~1:2	6.0	DCx27 #11	7,000	
AD	MO6804AD0E430H DD10*	L~M	1	3	—	4.0	2	3.8	1:0.7~1:2	6.0	DCx27 #11	7,000	

For rolled hemming (folded downward)

AS	MO6804AS0A4150 DD10*, DD22*	EL~L	1	3	—	1.5	2	3.8	1:0.7~1:2	6.0	DCx1 #8	7,000	
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### 2-needle overlock

For runstitching in general fabric

AS	MO6814ASBD630H DD10*, DD22*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6814ASBE630H DD10*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6814ASBE640H DD10*, DD22*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	6,500	
	MO6814ASBE630P DD10*, DD22*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	Anti-material-slip
	MO6814ADB630H DD10*, DD22*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6814ADB640H DD10*, DD22*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DCx27 #11	6,500	
AD	MO6814ADBE630H DD10*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6814ADBE640H DD10*, DD22*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DCx27 #11	6,500	
	MO6814ADBE630P DD10*, DD22*	L~M	2	4	2.0	2.0	3	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	Anti-material-slip
	MO6814ADBE630P DD10*, DD22*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	Anti-material-slip

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

AS	MO6814ASBD624HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #9	7,000	
	MO6814ASBE624HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #9	7,000	
	MO6814ASBD634HG44 DD10*, DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6814ASBE634HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6814ASBE644HG44 DD10*, DD22*, DD23*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DCx27 #14	6,500	
	MO6814ADB624HG44 DD10*, DD23*	L~M	2	4	2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #9	7,000	
AD	MO6814ADBE624HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #9	7,000	
	MO6814ADBE634HG44 DD10*, DD22*, DD23*	L~M	2	4	2.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6814ADBE644HG44 DD10*, DD22*, DD23*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DCx27 #14	6,500	
	MO6814ADBE644HG44 DD10*, DD22*, DD23*	M~H	2	4	2.0	4.0	3	3.8	1:0.7~1:2	7.0	DCx27 #14	6,500	

### Safety stitching

For runstitching in general fabric

AS	MO6816ASDE630H DD10*, DD23*	L~M	2	5	3.0	4.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6816ASFF630H DD10*, DD22*, DD23*	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6816ASFF650H DD10*, DD23*	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	7.0	DCx27 #16	6,500	
	MO6816ASFH650H DD10*	L~M	2	5	5.0	6.0	3	3.8	1:0.7~1:2	7.0	DCx27 #16	6,500	
	MO6816ASFF660H DD10*	H	2	5	5.0	5.0	3	4.5	1:0.9~1:1.7	7.0	DCx27 #21	6,000	
	MO6816ASFH660H DD10*, DD23*	H	2	5	5.0	6.0	3	4.5	1:0.9~1:1.7	7.0	DCx27 #21	6,000	
	MO6816ASDE430P DD10*, DD23*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	Anti-material-slip
	MO6816ASDE430HE35 DD10*, DD23*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	
	MO6816ADDE430H DD10*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6816ADFF650H DD10*	L~M	2	5	5.0	5.0	3	3.8	1:0.7~1:2	7.0	DCx27 #16	6,500	
	MO6816ADDE430HE35 DD10*, DD23*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	
	MO6816ADDE430P DD10*	L~M	2	5	3.0	4.0	2	3.8	1:0.7~1:2	5.0	DCx27 #11	7,000	Anti-material-slip

### 3-needle safety stitching

AS	MO6843AS1D640H DD10*, DD23*	M~H	3	6	5.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DCx27 #11	7,000	
	MO6843AS2D640H DD10*, DD23*	M~H	3	6	3.0+2.0	3.0	3	3.8	1:0.7~1:2	6.5	DCx27 #11	7,000	
	MO6843AD1D640H DD10*, DD23*	M~H	3	6	5.0+2.0	3.0	3	3.8	1:0.7~1:2	5.5	DCx27 #11	7,000	

For rolling-in tape N075: Clean finish top and bottom

AS	MO6845ASFF6360N075 DD10*	L~M	2	4	5.0	5.0	3	3.8	1:0.7~1:2	5.0	DCx27 #14	7,000	2-needle type for double-chainstitch on pocket bags
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### Sewn product pictogram



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