

Model :	WF21SS	WF21SSMW	WF22ZZ	WF22ZZMW	WF23LNSS	WF23LNSSMW	WF24LNZZ	WF24LNZZMW
Straight stitch :	Yes	Yes	Yes	Yes	Yes	Yes	Yes	yes
Zig zag :	Non	Non	Yes	Yes	Non	Non	Yes	yes
Manual Reverse System :	Yes	Yes	Yes	Yes	Yes	Yes	Yes	yes
Maximum zig zag width :	Non	Non	5 mm - 1/5 in.	5 mm - 1/5 in.	Non	Non	5 mm - 1/5 in.	5 mm - 1/5 in.
Maximum stitch length :	0 to 5 mm long							
Weight :	14.5 kg - 31.6 lbs	18.2 kg - 40.2 lbs	15.0 kg - 32.80lbs	18.70kg - 41.14 LBS	17.30 kg - 38.16 lbs	20.4 Kg - 44.08 lbs	18.30 kg - 40.34 lbs	22.10 kg - 48.70 lbs
Dimension : W-H-D	36.5x31x17 cm - 14.25x12.5x6.25 in.	36.5x31x17 cm - 14.25x12.5x6.25 in.	36.5x31x17 cm - 14.25x12.5x6.25 in.	36.5x31x17 cm - 14.25x12.5x6.25 in.	41x31x17 cm - 16.25x12.5x6.25 in.	41x31x17 cm - 16.25x12.5x6.25 in.	41x31x17 cm - 16.25x12.5x6.25 in.	41x31x17 cm - 16.25x12.5x6.25 in.
Pressure foot lift (Height) :	9.5mm - 3/8 in.	9.5mm - 3/8 in.	9.5mm - 3/8 in.	9.5mm - 3/8 in.	9.5mm - 3/8 in.	9.5mm - 3/8 in.	9.5mm - 3/8 in.	9.5mm - 3/8 in.
Bobin class :	all model using HA-1							
Shuttle type :	Oscillating with drive pin in the shuttle drive							
Feed type :	Walking foot (presser foot moving)							
Needle type :	135x17 size from 14 to 20							
Bed size :	178mm - 7 in.	18cm - 7 in.	18cm - 7 in.	18cm - 7 in.	23cm - 9 in.	23cm - 9 in.	23cm - 9 in.	23cm - 9 in.
Tread size :	From home size to V92 nylon thread							
Portable :	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Power Motor :	110 VOLTS 1.5 amps 8000 rpm.							
Foot control type :	Electronic foot control for variable speed.							
Max sewing speed (stitches per minutes) :	600 rpm	600 RPM	600 RPM	600 RPM	550 RPM	500 RPM	550 rpm	500 rpm
Lubrifcation :	Manual							