HABRAKEN
industrial sewing applications

HM866

Heavy duty programmable zigzag machine with top feed

Industrial Sewing Applications

HM866

Heavy duty programmable zigzag machine with top feed

HM866-190581

Touch panel zigzag selector

Heavy-duty programmable zigzag machine with a zigzag width up to 15mm. Based on Dürkopp Adler 967 with integrated direct drive.

The zigzag mechanism of this HM866 is servomotor driven. This makes it possible to create all sorts of zigzag programs that can be easily selected using the touchscreen display. No mechanical settings such as cam change are required. The HM866 has the big advantage of a top feed transport, which is unique for a zigzag machine in this class! Due to the top feed system, it is not always necessary to equip the machine with the optional mechanical driven top and bottom puller.
If needed though, we can equip the HM866 with a mechanically driven top and bottom puller. This puller is linked to the stitch length mechanism. Because of the mechanical link the puller feed will automatically adapt when the stitch length is changed. The HM866 has an optional special needle cooling system that is connected to the needle frame which ensures an optimal needle cooling.

Next to all these advantages the HM866 has all the standard benefits of the Dürkopp Adler 967 except for the automatic thread trimmer.
The HM866 has been developed with the focus on sail makers but this machine is very suitable for many other types of industry and can even be used for making design seams for upholstery.

Depending on the chosen subclass the HM866 has the following technical characteristics: Bottom feed and alternating top feed, additional electro pneumatic switchable thread tension, integrated 2nd Stitch length, electro pneumatic seam back tacking and sewing foot lift, Quick stroke adjustment and integrated sewing light (LED). An integrated sewing drive incl. DAC classic control box, operation panel OP1000 and Electronic Needle Positioning (Jog-Dial), with XL barrel hook, motor driven bobbin winder, adjustable zigzag width up to 15mm, adjustable sewing foot stroke up to 12mm, sewing foot lift in high needle position 30mm, key combination for intermediate bar tack, needle position high/low, back tack suppression, 2nd stitch length and 2nd thread tension, stitch length up to 10mm and a maximum sewing speed of 800 stitches/min.

For more information, please contact:
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Puller with top and bottom rol

“0”-stitch selector

Double transport

HM866-190581-100

HM866 - The technical data

	Stitch length [mm] max.	Stitches/min. [min-1] max.	Material	Single needle	Lockstitch	Barrel shuttle, extra large (XL)	Bottom feed and alternating top feed	Flat bed machine with built-in motor / Clearance C [mm]	D [mm]	Flat bed longarm machine with built-in motor / Clearance C [mm]	D [mm]
HM866-190180	10	800	MS / S	●	●	●	●	420	225		
HM866-190181	10	800	MS / S	●	●	●	●	420	225		
HM866-190581	10	800	MS / S	●	●	●	●	420	225		
HM866-190180-100	10	800	MS / S	●	●	●	●			1.000	225
HM866-190181-100	10	800	MS / S	●	●	●	●			1.000	225
HM866-190581-100	10	800	MS / S	●	●	●	●			1.000	225

	A = Clearance when sewing B = Clearance when lifting A [mm] max.	B [mm] max.	Automatic sewing foot lift	Stroke adjustment adjustable by dial	Stroke of the alternating sewing feed [mm] max.	Seam back-tacking, automatic	Standard zigzag	Multi point zigzag	Zigzag width	Programmable zigzag patterns up to 10-stitch zigzag	Top and bottom puller
HM866-190180	19 / 26*	30	●	●	12	○	●	●	15	●	○
HM866-190181	19 / 26*	30	●	●	12	●	●	●	15	●	○
HM866-190581	19 / 26*	30	●	●	12	●	●	●	15	●	○
HM866-190180-100	19 / 26*	30	●	●	12	○	●	●	15	●	○
HM866-190181-100	19 / 26*	30	●	●	12	●	●	●	15	●	○
HM866-190581-100	19 / 26*	30	●	●	12	●	●	●	15	●	○

	Control for two feed lengths	Electronical needle positioning	Integrated bobbin winder, motor driven	Integrated LED sewing light	Touch-screen	Mainte-nance indicator	Program control, operating panel OP1000	Air requirement per stroke / Air pressure [NL]	[bar]	Usable needle systems	Needle size	Synthetic / Core thread [Nm] max.	Braided yarn max.
HM866-190180	○	●	●	○	●	●	●	0,7	6	794 / 1000H	120 – 300	5/3	0,8 – 1,6
HM866-190181	○	●	●	○	●	●	●	0,7	6	794 / 1000H	120 – 300	5/3	0,8 – 1,6
HM866-190581	●	●	●	○	●	●	●	0,7	6	794 / 1000H	120 – 300	5/3	0,8 – 1,6
HM866-190180-100	○	●	●	○	●	●	●	0,7	6	794 / 1000H	120 – 300	5/3	0,8 – 1,6
HM866-190181-100	○	●	●	○	●	●	●	0,7	6	794 / 1000H	120 – 300	5/3	0,8 – 1,6
HM866-190581-100	●	●	●	○	●	●	●	0,7	6	794 / 1000H	120 – 300	5/3	0,8 – 1,6

● = Standard equipment , ○ = Optional equipment, MS = Medium weight to heavy weight material
S = Heavy weight material , * = 19 mm max. with needle system 794; 26 mm max. with needle system 1000H

	Nominal voltage [V], [Hz]	Rated power [W] max.	Weight, sewing head [kg]	Dimensions (Length, Width, Height) [mm] max.		
HM866-190180	1x230V, 50/60 Hz	375	90	1.200	600	1.700
HM866-190181	1x230V, 50/60 Hz	375	90	1.200	600	1.700
HM866-190581	1x230V, 50/60 Hz	375	90	1.200	600	1.700
HM866-190180-100	1x230V, 50/60 Hz	375	ca. / approx. 145	1.900	600	1.700
HM866-190181-100	1x230V, 50/60 Hz	375	ca. / approx. 145	1.900	600	1.700
HM866-190581-100	1x230V, 50/60 Hz	375	ca. / approx. 145	1.900	600	1.700

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