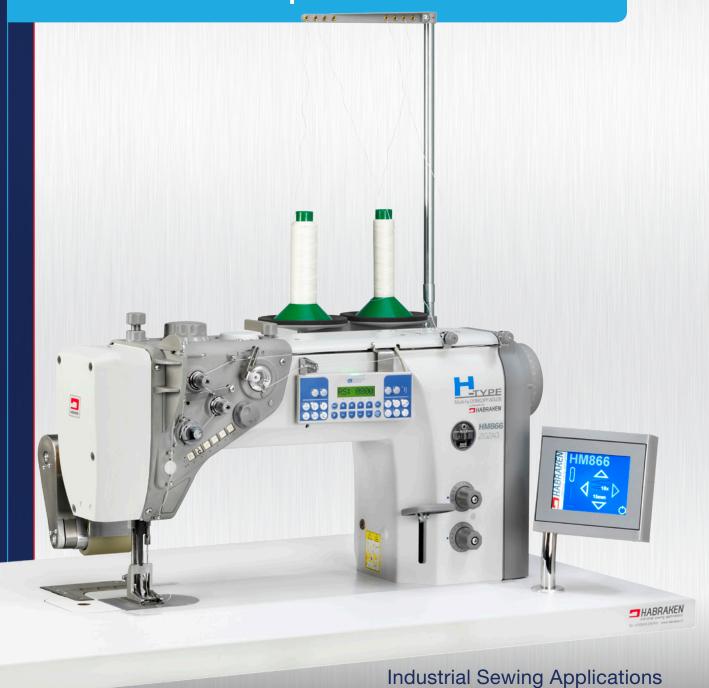


# **HM866**

Heavy duty programmable zigzag machine with top feed



## **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.

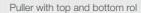
The HM866 has been developed with the focus on sail makers but this machine is very suitable for many other types of industry and can even be used for making design seams for upholstery.

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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Double transport



### HM866 - The technical data

|                  | Stitch length | Stitches/min. | Material | Single<br>needle | 301<br>Lockstitch | Barrel shuttle,<br>extra large (XL) | Bottom feed and alternating top feed | Flat bed with built Clearance | machine<br>-in motor / | Flat bed I | ongarm machine in motor /  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 B = Clearance A [mm] max. | 0  | Automatic sewing foot lift | Stroke<br>adjustment<br>adjustable by dial | Stroke of the alternating sewing feed [mm] max. | Seam back-<br>tacking,<br>automatic | Standard zigzag | Multi<br>point<br>zigzag | X) mm K Zigzag width | Programmable zigzag patterns up to 10-stitch zigzag | Top and bottom puller |
|------------------|---|----|----------------------------|--|---|-------------------------------------|-----------------|--------------------------|----------------------|---|-----------------------|
| HM866-190180     | 19 / 26*                                | 30 | •                          | •  | 12  | 0                                   | •               | •                        | 15                   | •   | 0                     |
| HM866-190181     | 19 / 26*                                | 30 | •                          | •  | 12  | •                                   | •               | •                        | 15                   | •   | 0                     |
| HM866-190581     | 19 / 26*                                | 30 | •                          | •  | 12  | •                                   | •               | •                        | 15                   | •   | 0                     |
|                  |   |    |                            |  |   |                                     |                 |                          |                      |   |                       |
| HM866-190180-100 | 19 / 26*                                | 30 | •                          | •  | 12  | 0                                   | •               | •                        | 15                   | •   | 0                     |
| HM866-190181-100 | 19 / 26*                                | 30 | •                          | •  | 12  | •                                   | •               | •                        | 15                   | •   | 0                     |
| HM866-190581-100 | 19 / 26*                                | 30 | •                          | •  | 12  | •                                   | •               | •                        | 15                   | •   | 0                     |

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

- ullet = Standard equipment , O = 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  | Rated power | Weight, sewing head | Dimensions | h, Height) |       |
|------------------|------------------|-------------|---------------------|------------|------------|-------|
|                  | [V], [Hz]        | [W] max.    | [kg]                | [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 |

