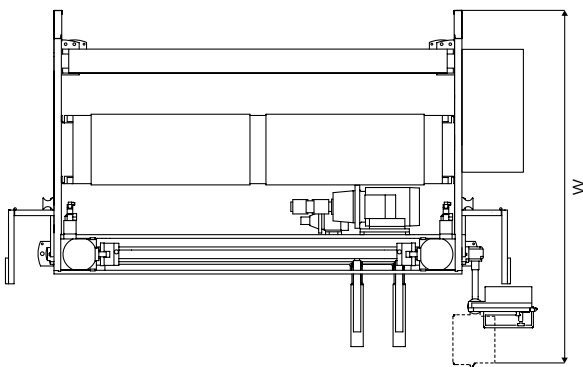
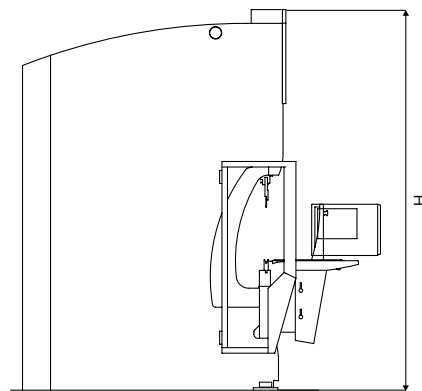
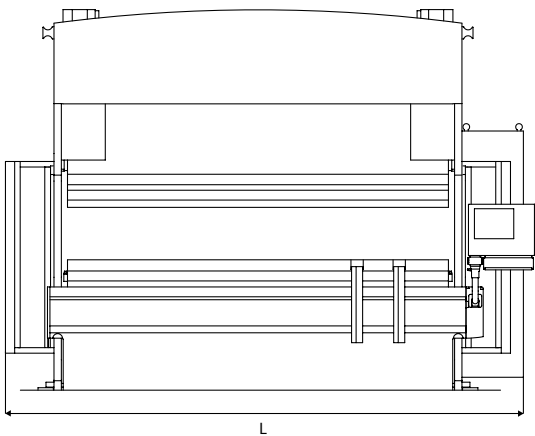


## Technical Data Hämmerle 3P



| Types         | Bending length | Length (L) | Width (W) | Height (H) |
|---------------|----------------|------------|-----------|------------|
| <b>3P 80</b>  | 2100           | 3420       | 2730      | 2625       |
| <b>3P 130</b> | 3100           | 4440       | 2950      | 3095       |
| <b>3P 225</b> | 3100           | 4480       | 2990      | 3310       |
| <b>3P 225</b> | 4100           | 5480       | 2990      | 3310       |

L, W, H = mm

| Hämmerle 3P bending machines                |                   | 3P 80                                                                                                    | 3P 130            | 3P 225              | 3P 225            |
|---------------------------------------------|-------------------|----------------------------------------------------------------------------------------------------------|-------------------|---------------------|-------------------|
| Tonnage                                     | kN                | 800                                                                                                      | 1300              | 2250                | 2250              |
| Stroke                                      | mm                | 265                                                                                                      | 400               | 400                 | 400               |
| Daylight                                    | mm                | 780                                                                                                      | 915               | 915                 | 915               |
| Bending length                              | mm                | 2100                                                                                                     | 3100              | 3100                | 4100              |
| Distance between side frames                | mm                | 2200                                                                                                     | 3200              | 3200                | 4200              |
| Throat                                      | mm                | 250                                                                                                      | 250               | 250                 | 250               |
| Lower beam width                            | mm                | 100                                                                                                      | 120               | 160                 | 160               |
| Working height                              | mm                | 1060                                                                                                     | 1060              | 1060                | 1060              |
| Maximum backgauge range                     | mm                | 1000                                                                                                     | 1200              | 1200                | 1200              |
| X-axis travel                               | mm                | 500                                                                                                      | 600               | 600                 | 600               |
| X-axis traverse speed                       | mm/s              | 500                                                                                                      | 500               | 500                 | 500               |
| R-axis travel                               | mm                | 250                                                                                                      | 250               | 250                 | 250               |
| R-axis traverse speed                       | mm/s              | 200                                                                                                      | 200               | 200                 | 200               |
| Y-axis (ram) speed                          | mm/s              | 150                                                                                                      | 150               | 150                 | 150               |
| Y-axis (ram) bending speed                  | mm/s              | 1–10                                                                                                     | 1–10              | 1–10                | 1–10              |
| Y-axis (ram) return speed                   | mm/s              | 150                                                                                                      | 150               | 150                 | 150               |
| Crowning/bending compensation               | hydraulic cushion | hydraulic cushion                                                                                        | hydraulic cushion | hydraulic cushion   | hydraulic cushion |
| Hydraulic tool clamping                     | yes               | yes                                                                                                      | yes               | yes                 | yes               |
| Shuttle table                               | settings          | 4                                                                                                        | 4                 | 4                   | 4                 |
| Mobile front workpiece support              | mm                | 800                                                                                                      | 800/1000          | 800/1000            | 800/1000          |
| Electrical supply                           | kW                | 16                                                                                                       | 27                | 40                  | 40                |
| Electric supply voltage                     |                   |                                                                                                          |                   | 3 × 400 V, 50/60 Hz |                   |
| Oil capacity                                | liters            | 200                                                                                                      | 300               | 600                 | 800               |
| Weight                                      | kg                | 7800                                                                                                     | 13 400            | 20 500              | 21 800            |
| Colors                                      |                   | standard                                                                                                 | standard          | standard            | standard          |
| Foundation                                  |                   | overfloor                                                                                                | overfloor         | overfloor           | overfloor         |
| Operator terminal                           |                   | keyboard with pictographic operator guidance, input keyboard, 15" active TFT LCD color flat-panel screen |                   |                     |                   |
| User software (operating system Windows XP) |                   | Bybend; 2D programming, including 3D functionality                                                       |                   |                     |                   |
| Operating computer                          |                   | industrial PC, CPU Intel Celeron 1.2 GHz, 256 MB RAM, 40 GB hard disk                                    |                   |                     |                   |
| Drives                                      |                   | 3.5" floppy disk, DVD-ROM                                                                                |                   |                     |                   |
| Network connection                          |                   | on-board 10/100 M Base T-Port (Ethernet, RJ45)                                                           |                   |                     |                   |
| Modem                                       |                   | analog or ISDN                                                                                           |                   |                     |                   |
| Safety equipment                            |                   | operator side: safety category 4<br>rear access safety: safety category 2                                |                   |                     |                   |

Changes to dimensions, construction and equipment are reserved. Certified in accordance with ISO 9001

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