



■ CNC Control

|                |  |                   |
|----------------|--|-------------------|
| Control system |  | SINUMERIK 840D sl |
| Drive system   |  | SINAMICS S120     |

■ Working Area

|                    |      |  |
|--------------------|------|--|
| Nominal length     | inch | 39.37   59.05   78.74   98.42   118.11 |
| Swing diameter     | inch | 25.59                                  |
| Slidetravel X-Axis | inch | 26.57                                  |
| Slidetravel Y-Axis | inch | 13.78                                  |

■ Main Spindle / Counter Spindle\*

|                                |      |      |      |
|--------------------------------|------|------|------|
| Spindle head acc. to DIN 55026 | size | A8   | A11  |
| Spindle bore                   | inch | 3.62 | 4.13 |
| Diameter bearing               | inch | 5.90 | 7.08 |

■ Main Spindle Drive

|  |        |               |           |
|--|--------|---------------|-----------|
| Driving power 100% / S6-60% duty cycle | hp     | 40.77 / 45.59 | 42.24 / - |
| Speed range                            | rpm    | 0...3800      | 0...2000  |
| Torque 100% / S6-60% duty cycle        | lbf ft | 413 / 483     | 885 / -   |
| Speed range of C-Axis                  | rpm    | 0...100       | 0...100   |

■ Turning-Milling-Drilling Head

|  |        |                     |
|--|--------|---------------------|
| Driving power 100% / S6-60% duty cycle | hp     | 29.50 / 33.53       |
| Speed range                            | rpm    | 0...6000            |
| Torque 100% / S6-60% duty cycle        | lbf ft | 127 / 202           |
| Tool system                            | size   | HSK 63T   Capto C6* |
| Max. coolant pressure (inner)          | bar    | 80                  |
| Swivel range of B-Axis                 | °      | -105...+95          |

■ Feed Rates

|                    |        |               |
|--------------------|--------|---------------|
| Rapid feed X, Y, Z | ft min | 82 / 65 / 131 |
|--------------------|--------|---------------|

■ Tool Magazine

|                  |       |                    |
|------------------|-------|--------------------|
| Pockets          | count | 48 (60)   96 (120) |
| Max. tool length | inch  | 23.62 (35.43*)     |
| Max. tool weight | lb    | 33.07              |

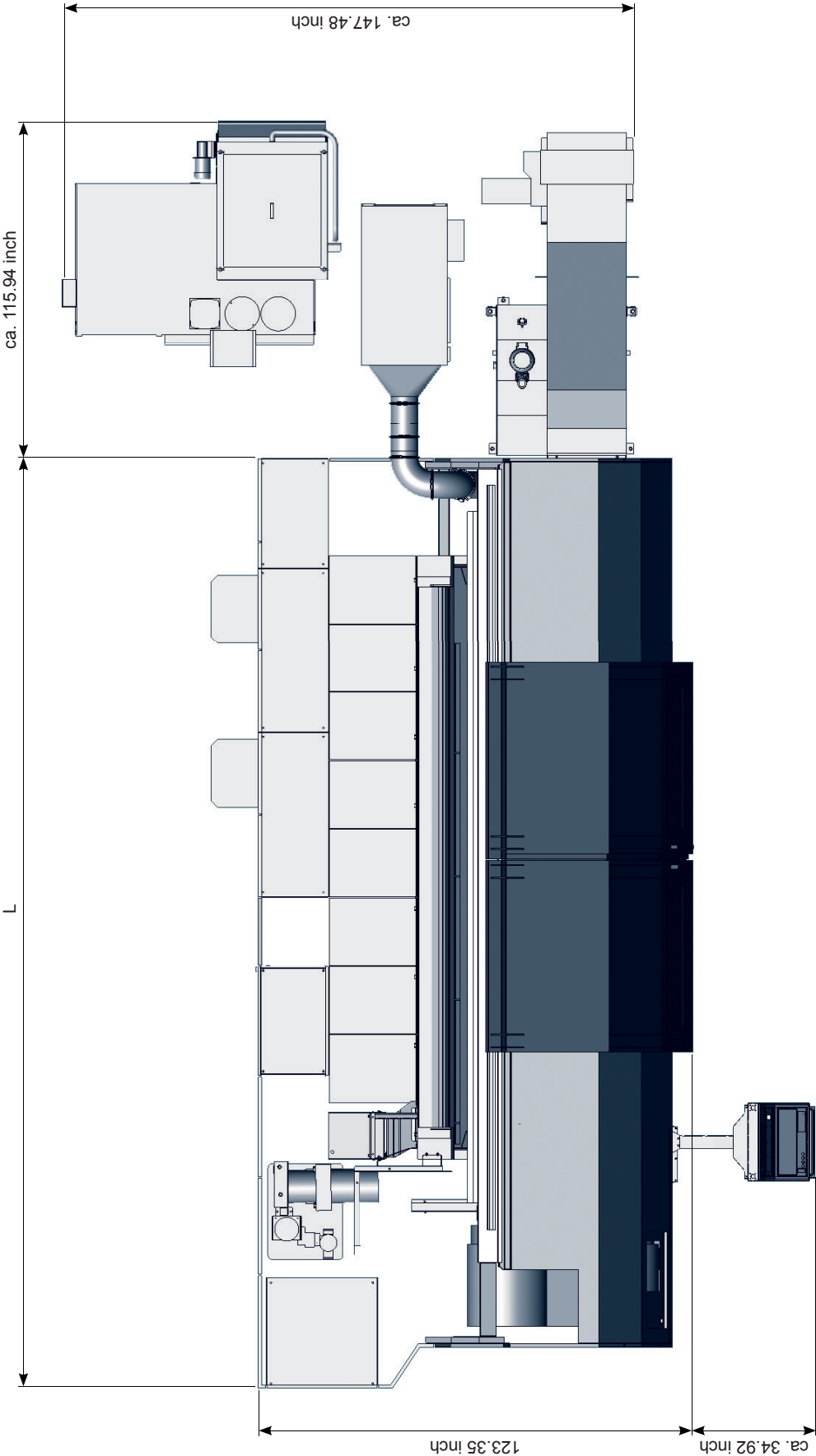
■ Tailstock

|                |      |        |
|----------------|------|--------|
| Quill center   | size | MK 5   |
| Quill travel   | inch | 6.38   |
| Quill diameter | inch | 5.51   |
| Clamping force | kN   | 5...19 |

\* Option

// Technical changes reserved

Top view



| ■ Nominal length   | inch |  |  |  |  | 118.11 |        |
|--------------------|------|--|--|--|--|--------|--------|
|                    |      |  |  |  |  | 98.42  | 268.93 |
| Machine length (L) |      |  |  |  |  | 267.24 | 22     |
| Machine weight     |      |  |  |  |  | 20     |        |