

CNC Control

Control system		SINUMERIK 840D sl
Drive system		SINAMICS S120

Working Area

Nominal length	inch	59.05   87.74   98.42   125.98
Swing diameter	inch	30.70   34.64
Slidetravel X-Axis	inch	29.72
Slidetravel Y-Axis	inch	19.68   19.68

Main Spindle / Counter Spindle\*

Spindle head acc. to DIN 55026	size	A11   A15	A11   A15	A11
Spindle bore	inch	4.84	4.84	3.62
Diameter bearing	inch	7.87	7.87	7.08

Main Spindle Drive

Driving power 100% / S6-60% duty cycle	hp	91.19 / 103.26	90.39 / 107.29	87.02 / 106.05
Speed range	rpm	0...2000	0...3000	0...3000
Torque 100% / S6-60% duty cycle	lbf ft	1401 / 1556	1948 / 2312-601 / 713	574 / 687
Speed range of C-Axis	rpm	0...100	0...50	0...100

Turning-Milling-Drilling Head

Driving power 100% / S6-60% duty cycle	hp	46.26/ 50.56	29.50 / 33.53	24.14 / 29.50
Speed range	rpm	0...5000	0...6000	0...8000
Torque 100% / S6-60% duty cycle	lbf ft	195 / 291	127 / 202	107 / 140
Tool system	size	HSK100T   Capto C8*	HSK 63T   Capto C6*	HSK 63T   Capto C6*
Max. coolant pressure (inner)	bar	80	80	80
Swivel range of B-Axis	°	-105...+95	-105...+95	-105...+95

Feed Rates

Rapid feed X, Y, Z	ft min	59 / 39 / 98
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Tool Magazine

Pockets	count	48   72   96   120   144
Max. tool length	inch	23.62 (35.43*)
Max. tool weight	lb	55.11

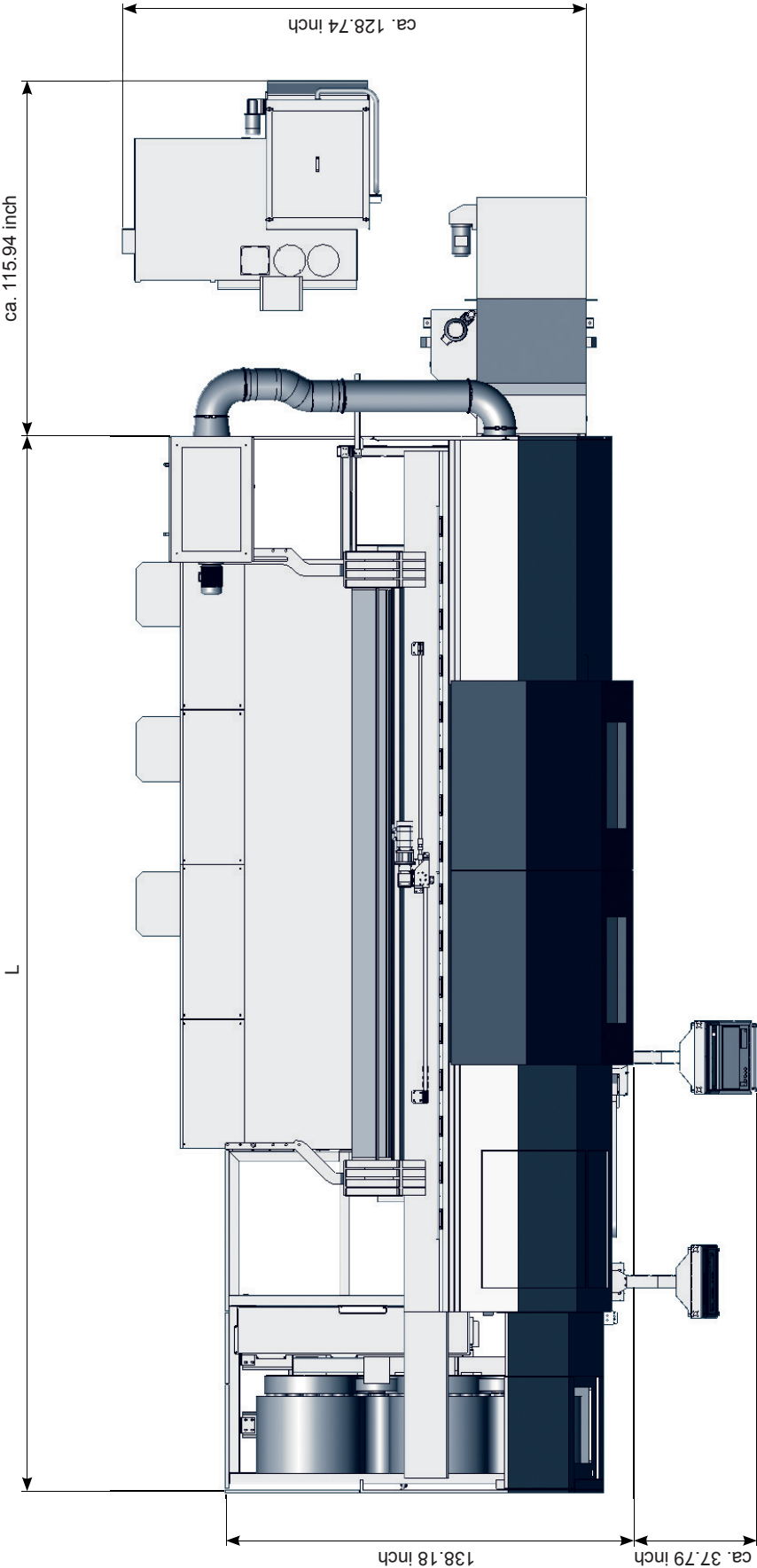
Tailstock

Quill center	size	MK 5
Quill travel	inch	6.30
Quill diameter	inch	5.91
Clamping force	kN	4...20

\* Option

// Technical changes reserved

Top view



■ Nominal length	inch	59.05	78.74	98.42	125.98
Machine length (L)	inch	278.62	298.31	317.99	345.55
Machine weight	ton	23	25	27	29