

STANDARD MACHINE SPECIFICATIONS

MACHINE

Max Operating Height	108" (2743 mm)
Max Operating Width	125" (3175 mm)
Max Operating Depth	139" (3531 mm)
Door Opening Width	36" (902 mm)
Machine Weight	7500 lb (3402 kg)
Air Required	4 scfm at 100 psi (113 L/min at 6.9 bar)
Power Required	28 kVA
Volts/Phase	200–250 VAC, 3-phase, 50-60 Hz
Full Steel Enclosure	14 GA cold-rolled steel

TABLE

Width	18" (457 mm)
Length	36" (914 mm)
Maximum Weight on Table	3000 lb (1361 kg)
T-slot Width	0.625" (15.875 mm)
Center Distance	4.92" (125 mm)

TRAVELS

Maximum X axis.....	30" (762 mm)
Maximum Y axis.....	20" (508 mm)
Maximum Z axis.....	20" (508 mm)
Spindle nose to table	4"– 24" (102 – 610 mm)

100% ball bar testing ensures three-dimensional squareness and accuracy.

SPINDLE

Taper Size.....	#40 Taper
Spindle Speed	0 to 8100 rpm (10K, 15K, and 30K optional)
Max Power Rating	30 hp (22.4 kW)
Max Torque	90 ft-lb (122 Nm) @ 2000 rpm
Spindle Bearings	ABEC Class 7
Spindle Orientation	Electronic

TOOL CHANGER*

Fully Enclosed Tool Storage	
Tool Capacity	20 standard; 24 optional
Tool Type	CT40 or BT40
Maximum Tool Diameter.....	3.5" (89 mm), assuming full carousel
Maximum Tool Weight	12 lb (5.4 kg), assuming full carousel
Tool Changer Type	All electric, bidirectional

*Tool changer specifications are for standard tool changer.

AVERAGE TOOL CHANGE TIMES

Tool-to-Tool 4.2 seconds
Chip-to-Chip..... 4.5 seconds

FEEDRATES

Rapids on X, Y, Z Axes 1000 ipm (25.4 m/min)
Maximum Cutting Rate..... 650 ipm (16.5 m/min)

AXIS MOTORS

X, Y Max Thrust Rating..... 2550 lb (11,343 N)
Z Max Thrust Rating..... 4200 lb (18,683 N)

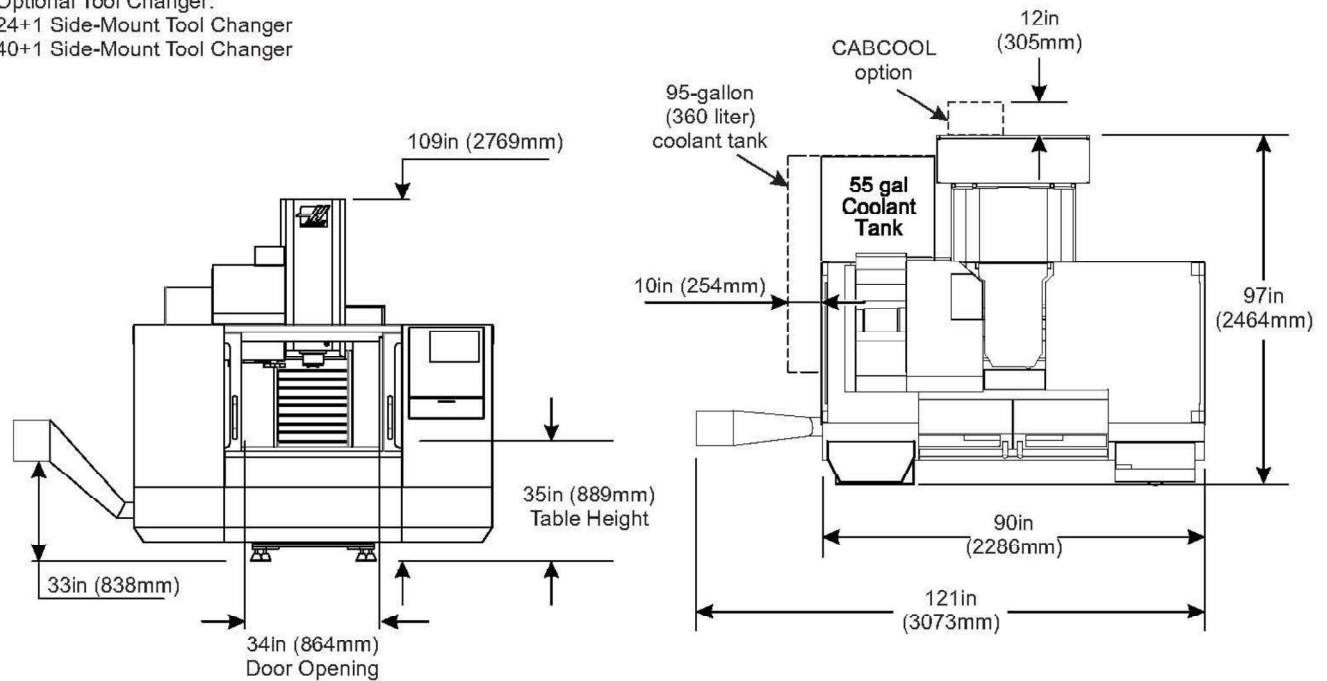
ACCURACY (Single Axis)

Positioning ± 0.0002 " (± 0.0051 mm)
Repeatability..... ± 0.0001 " (± 0.0025 mm)



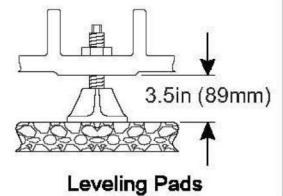
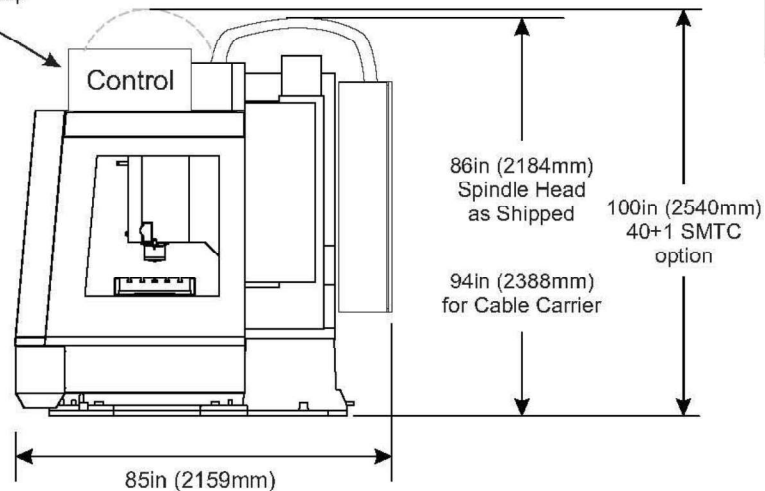
Standard Tool Changer:
20 Station Umbrella Tool Changer
Optional Tool Changer:
24+1 Side-Mount Tool Changer
40+1 Side-Mount Tool Changer

Operating Dimensions



Shipping Dimensions

Convenience package removed;
Control mounted on top
for shipping



Shipping height (94"/2388mm or 100"/2540mm) and width (85"/2159mm) shown
Contact your local Haas Factory Outlet
for further breakdown information