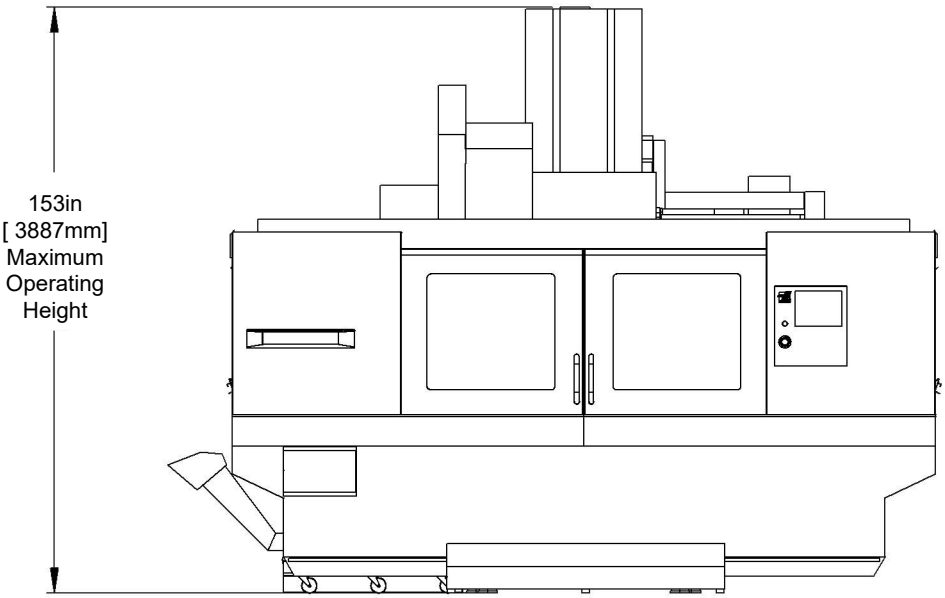
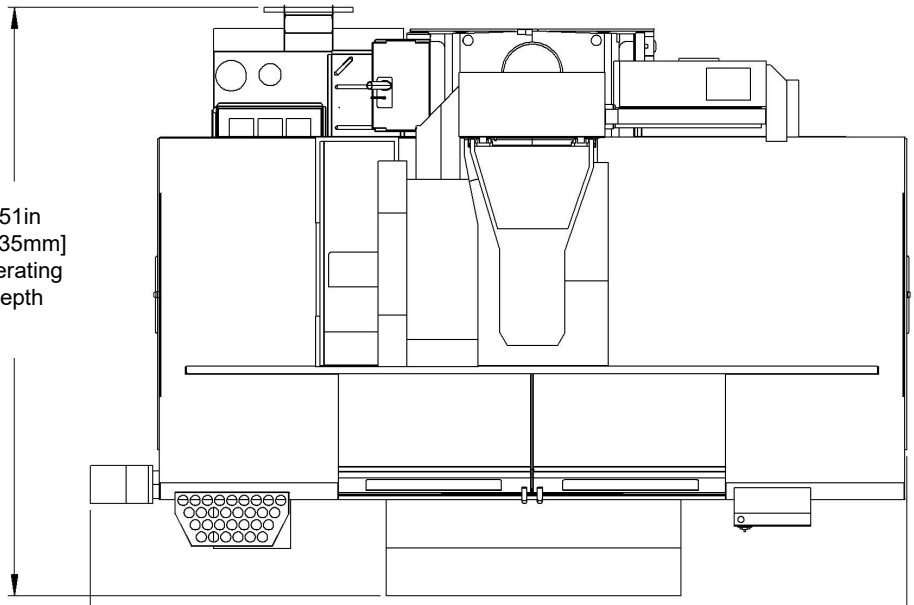
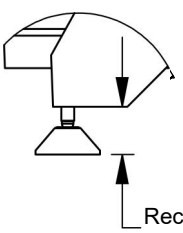
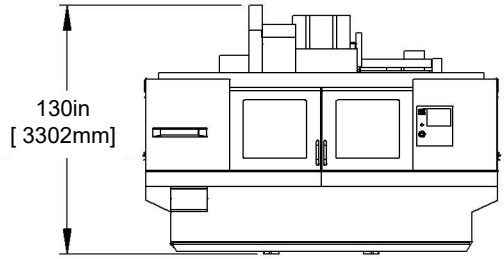
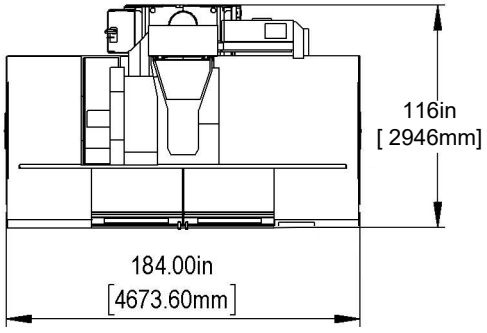




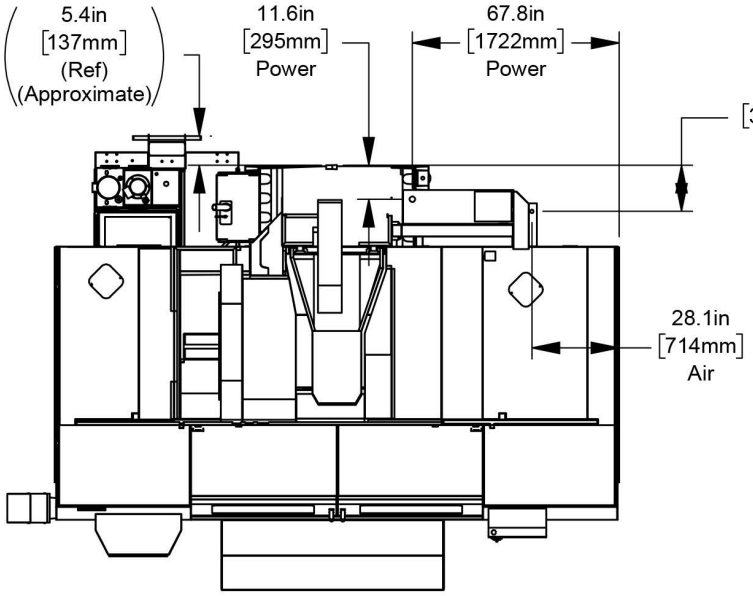


Shipping Dimensions

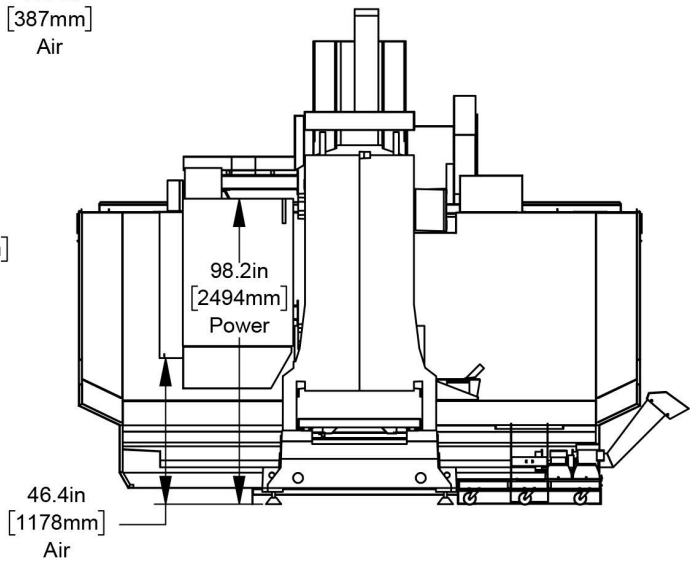




Air & Power



Top View



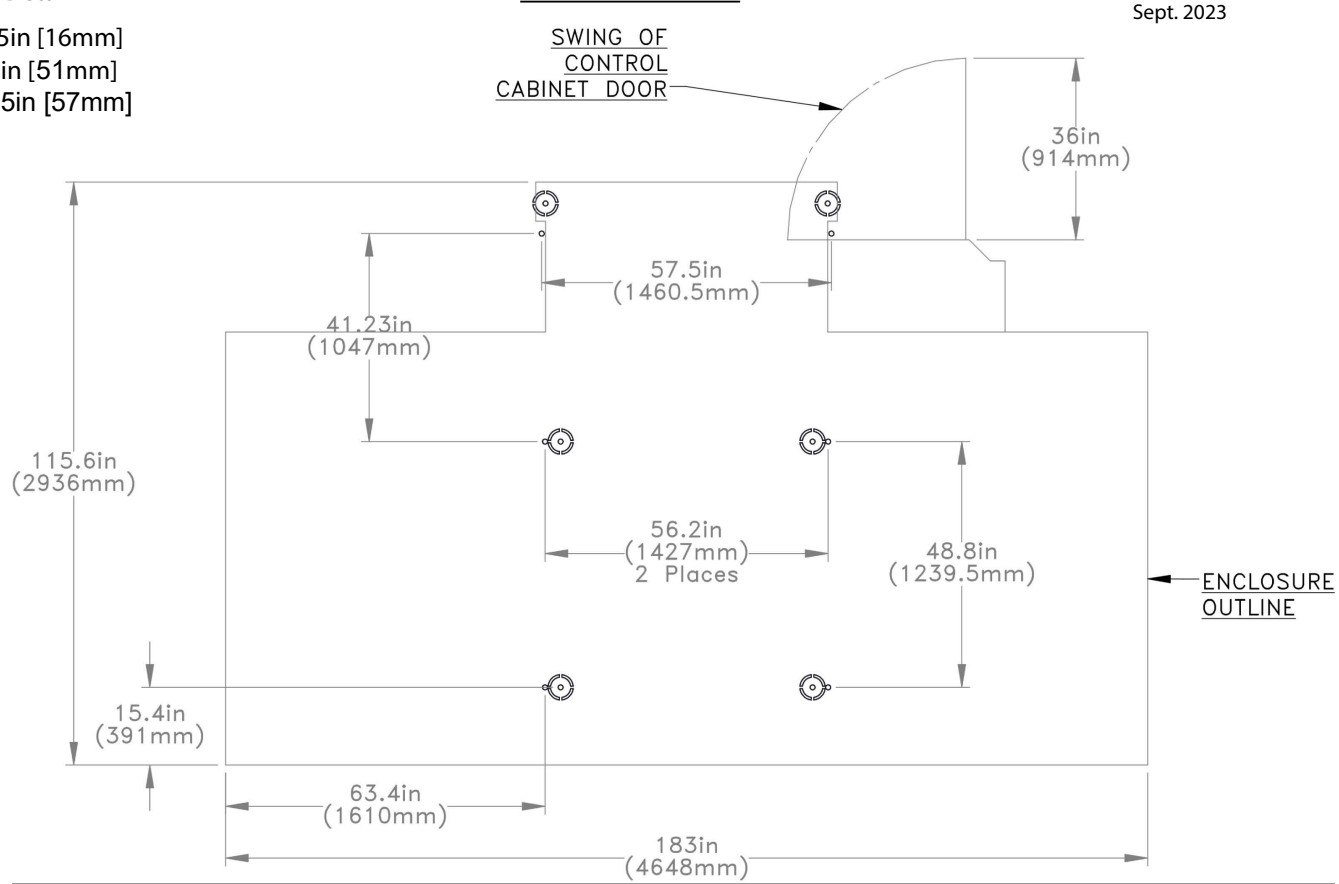
Rear View

Anchor Detail

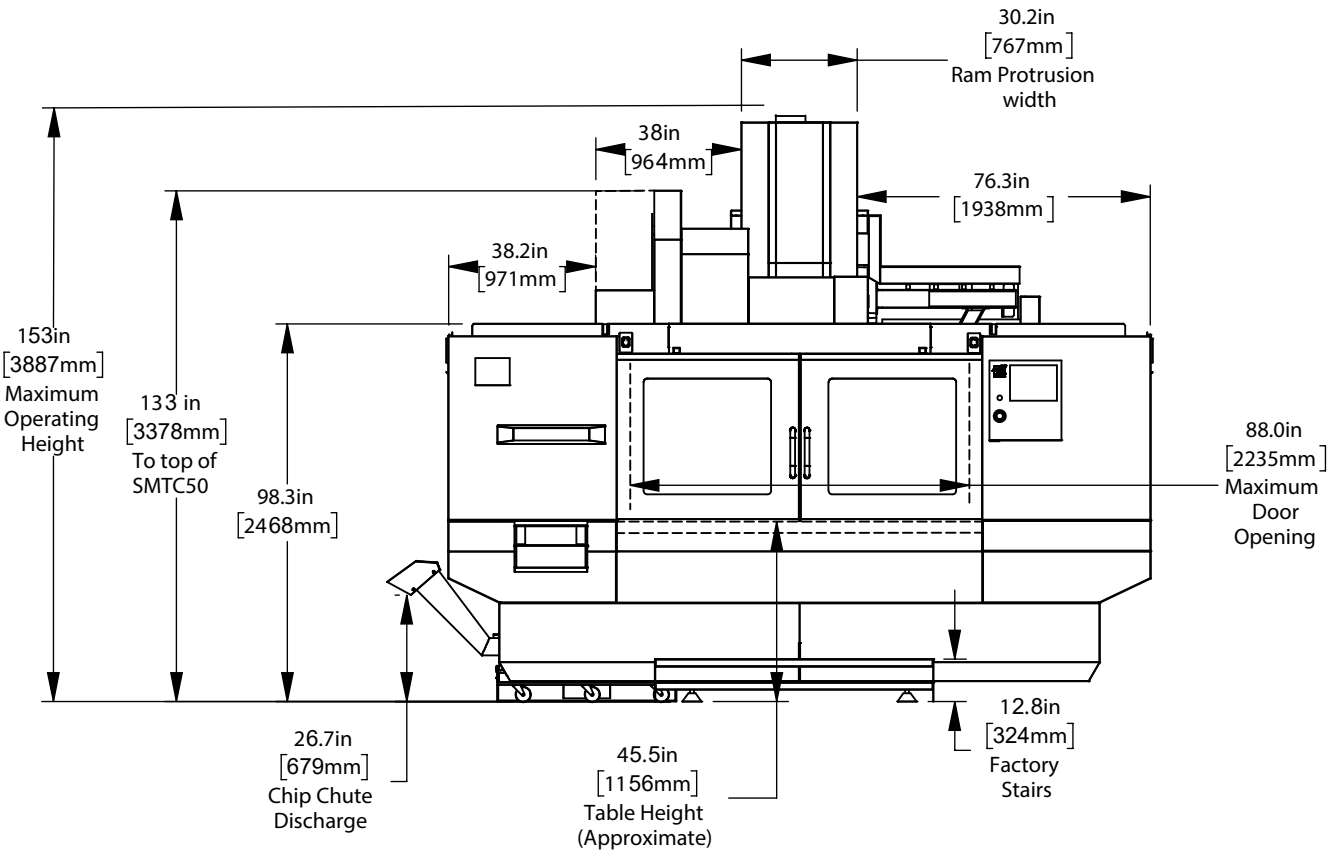
Ø .625in [16mm]
2.0in [51mm]
⇩ 2.25in [57mm]

Anchor Pattern

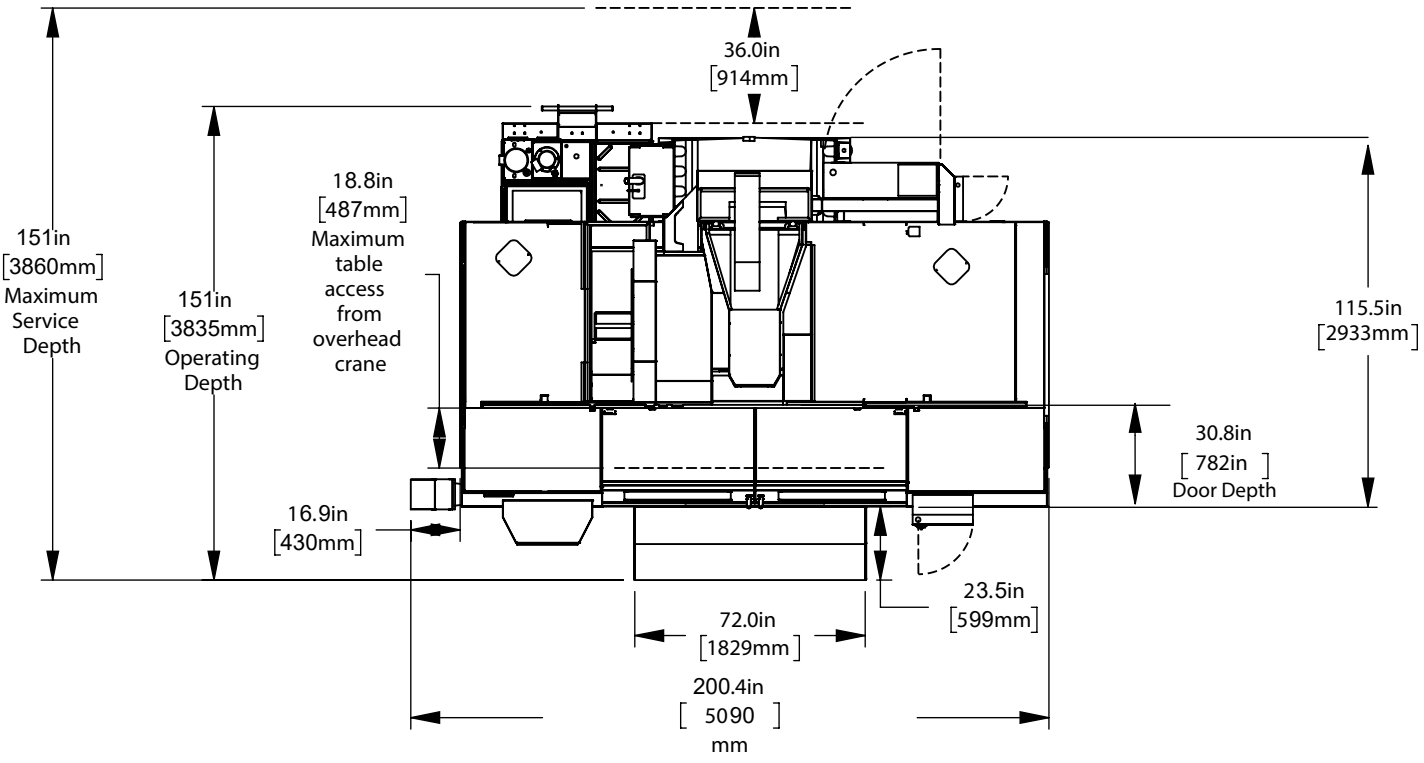
Note: For Machines built after Sept. 2023



Height Breakdown



Width and Depth Breakdown



Operating Width / Max Service Width

Maintain 3 feet [915mm] clearance to the nearest obstruction around all sides of machine perimeter for maintenance access

X & Y-Axis Travel at B0

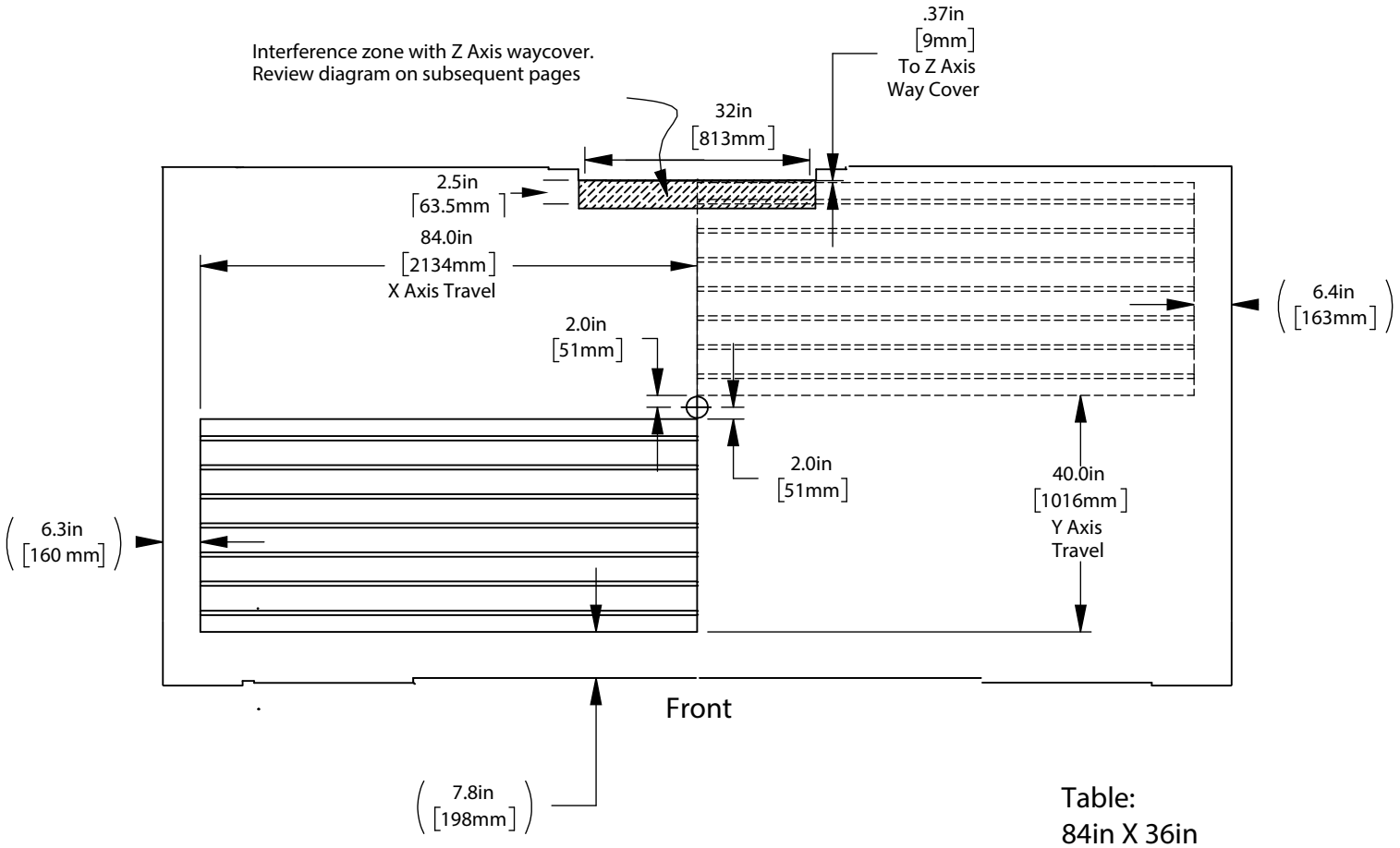
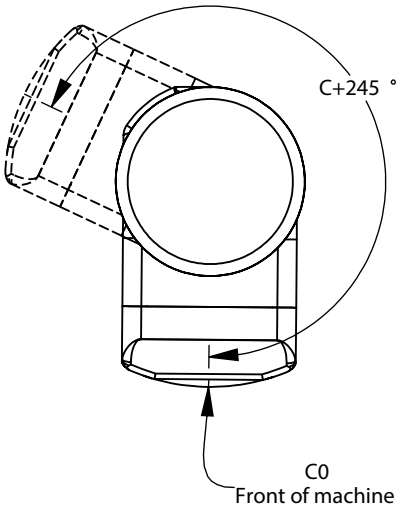


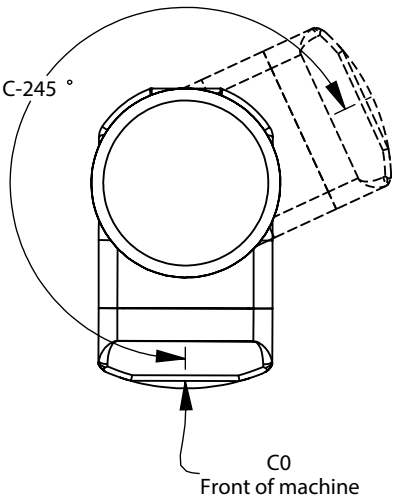
Table:
84in X 36in
2134mm X 914mm

B & C axis Travel

Top View STD Spindle Shown

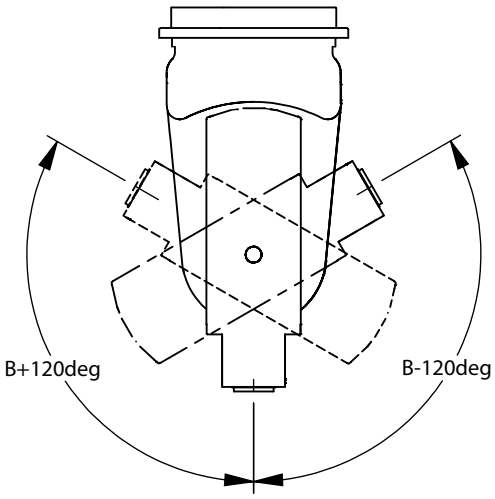


+245° C Axis
Positive Rotation Limit



-245° C Axis
Negative Rotation Limit

Side View

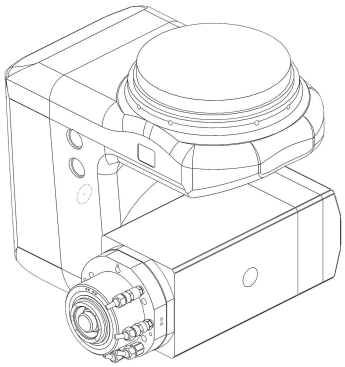


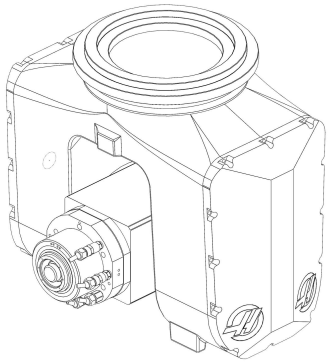
B Axis Tilt limits

Isometric views of B & C Axis heads for visual reference

Gimbal

Single Support





Yoke

Dual Support

X&Y-Axis Clearance at B90 with C at 0. 90, -90, and 180

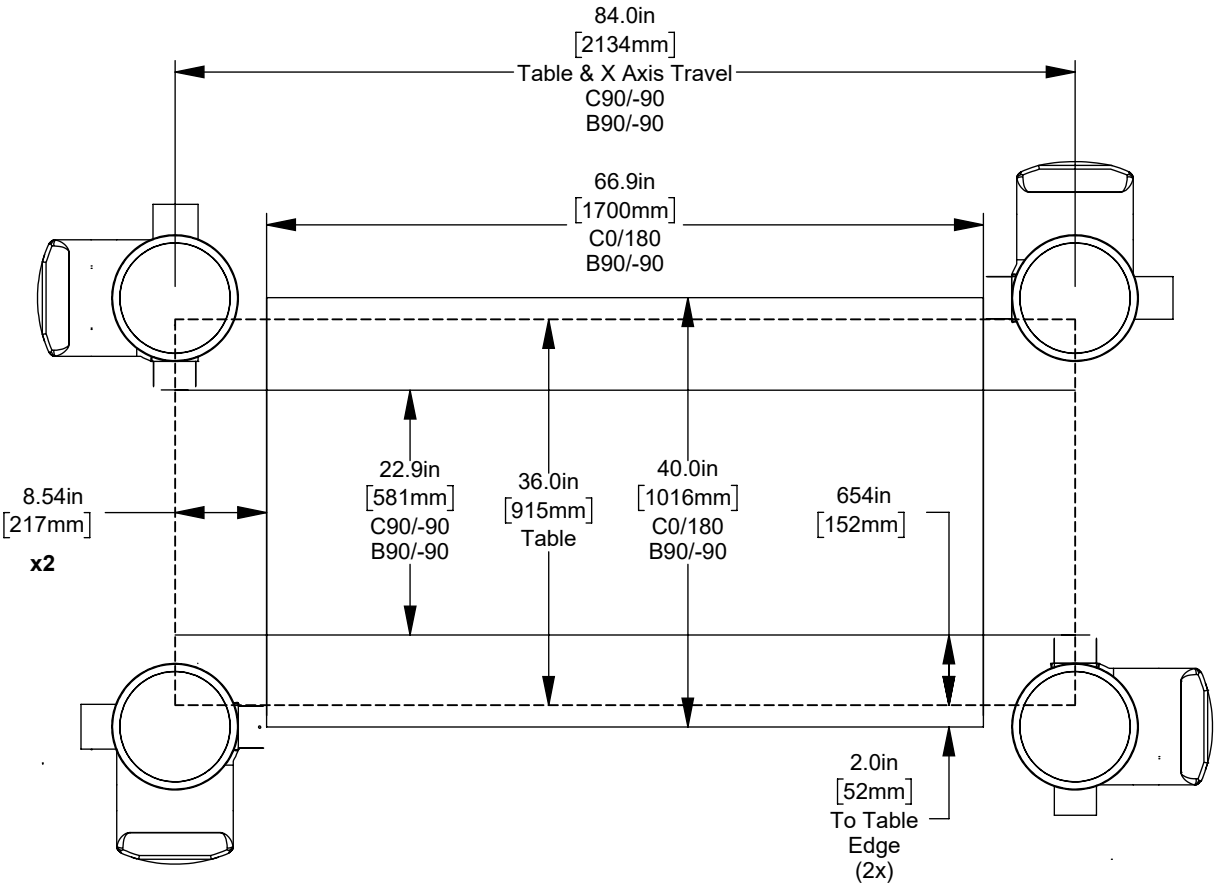
(Measurements applicable to both Single and Dual Supports)

Notes -

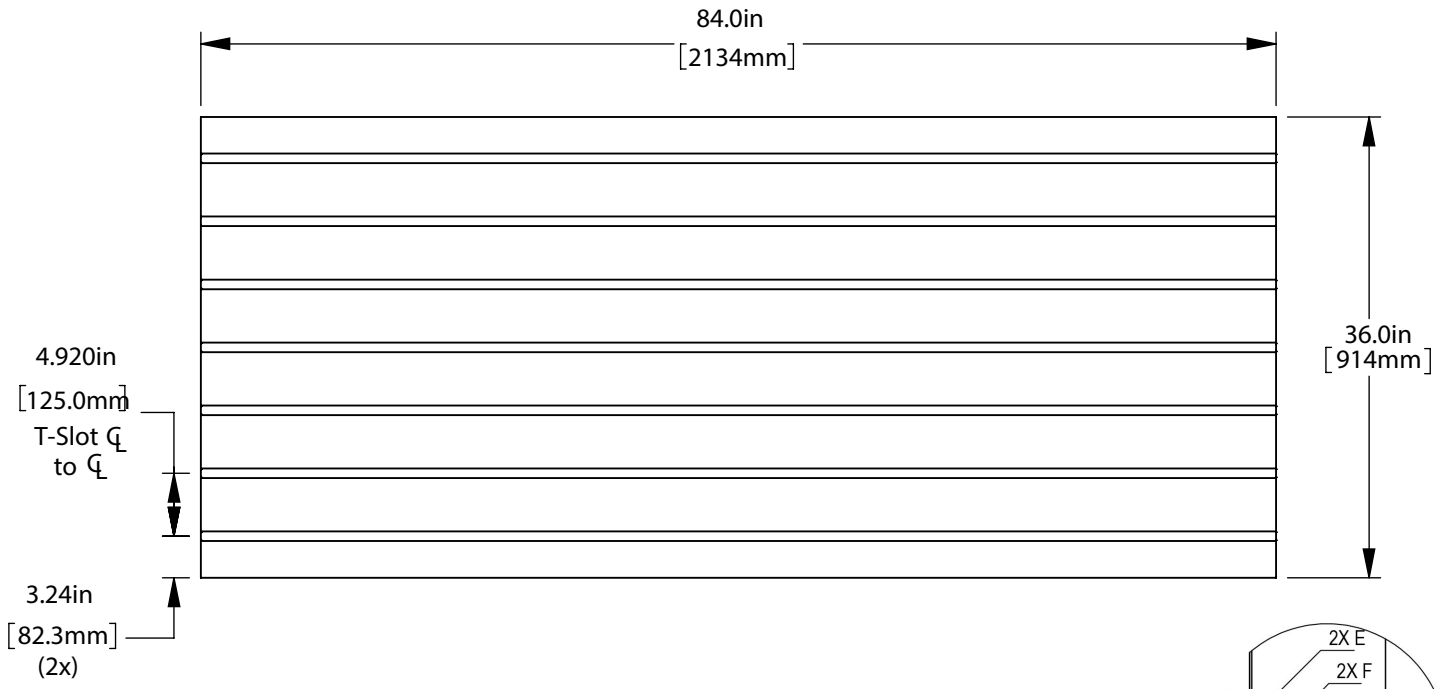
The schematic above shows the B90° work envelope with no tool in the spindle.

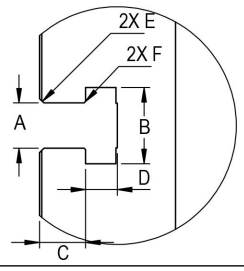
Depending on the part size and how many faces require machining, the part may need to be centered or offset to one side of the table.

Subtract (the longest tool length required on each side of the part) + (clearance) from the travels shown below to determine the maximum size workpiece based on your tooling requirements



Table

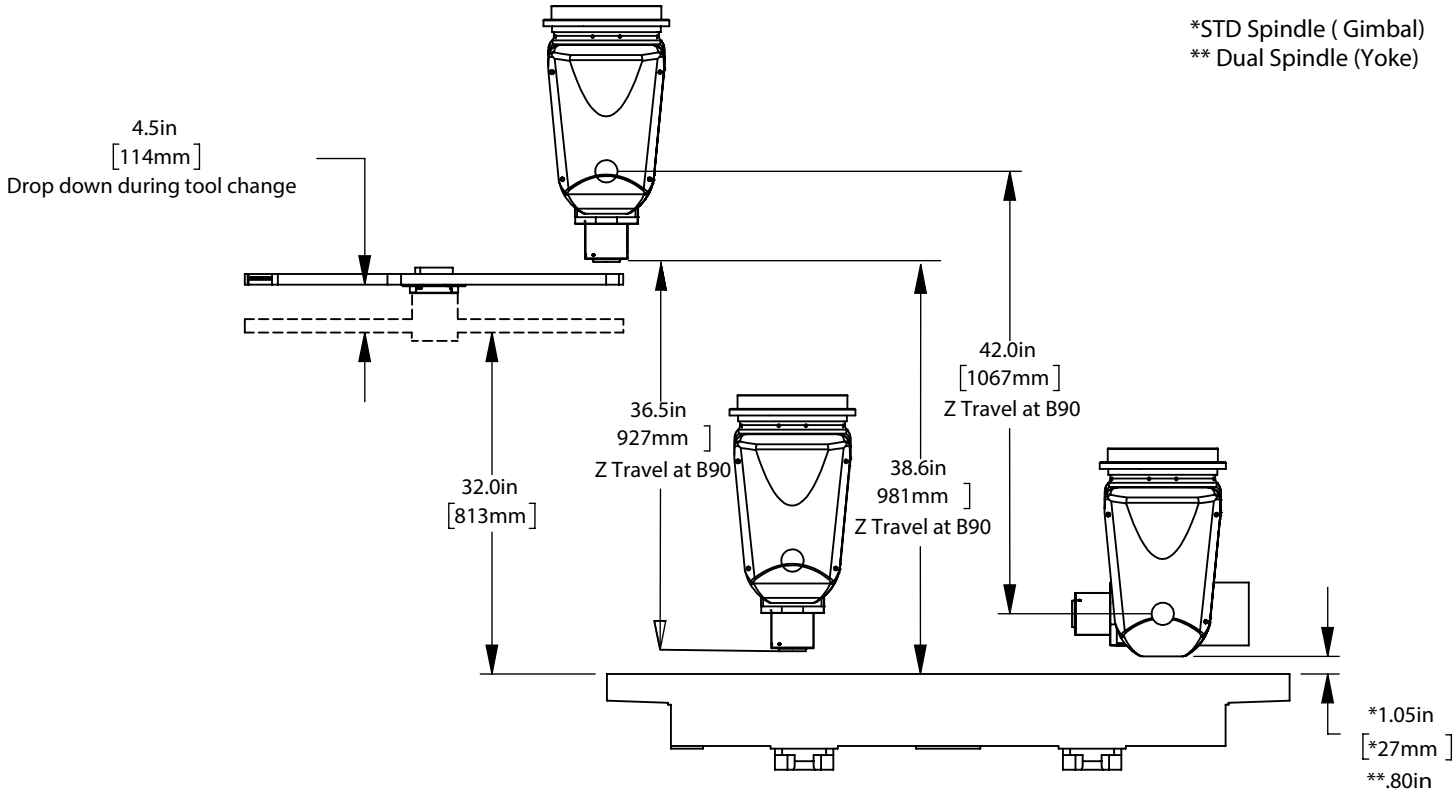




Slot Size	A	B	C	D	E	F
16mm	0.628±0.002	1.06±0.02	0.640±0.010	0.420±0.010	0.06x45°	0.020x45°

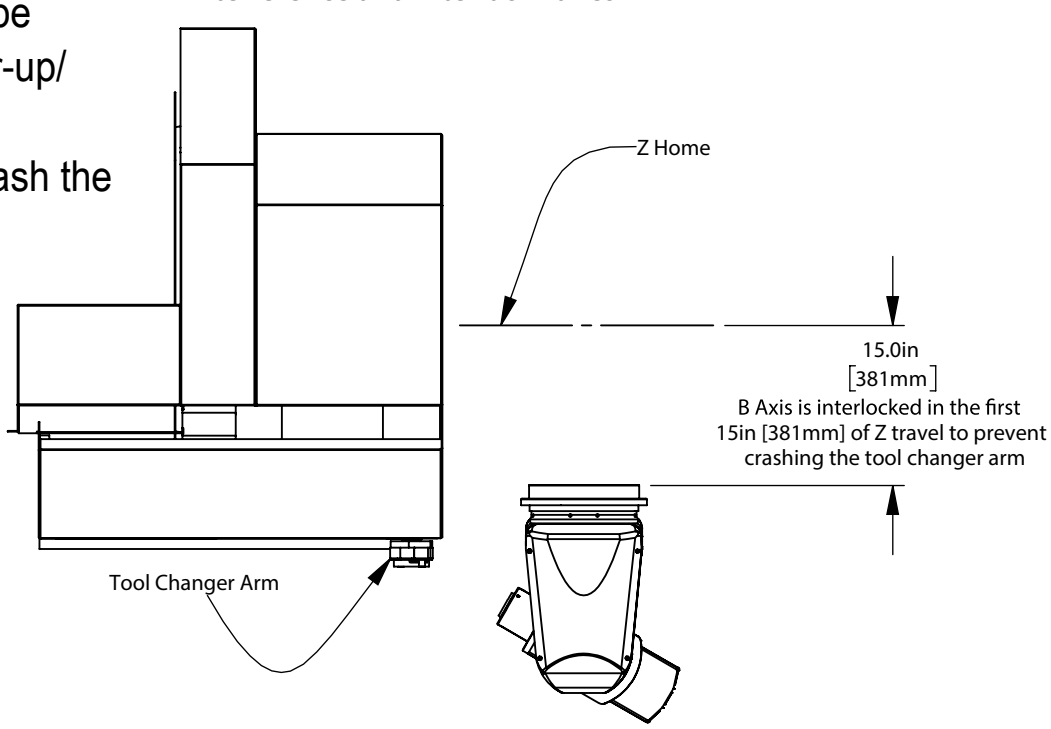
Tool Changer and Z Travel

(Measurements apply to both Standard and Dual Support except where noted)



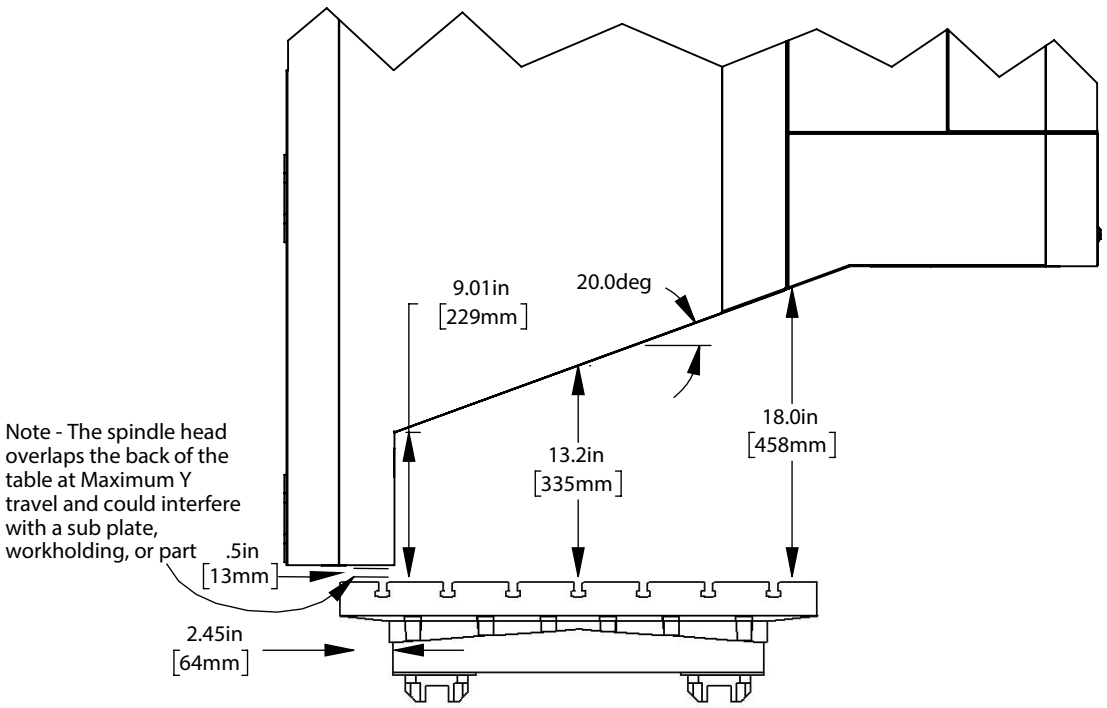
Note: Spindle must be Empty before Power-up/ Restart is perfomed or theB-Axis may crash the tool changer

Interference and Interlock zones



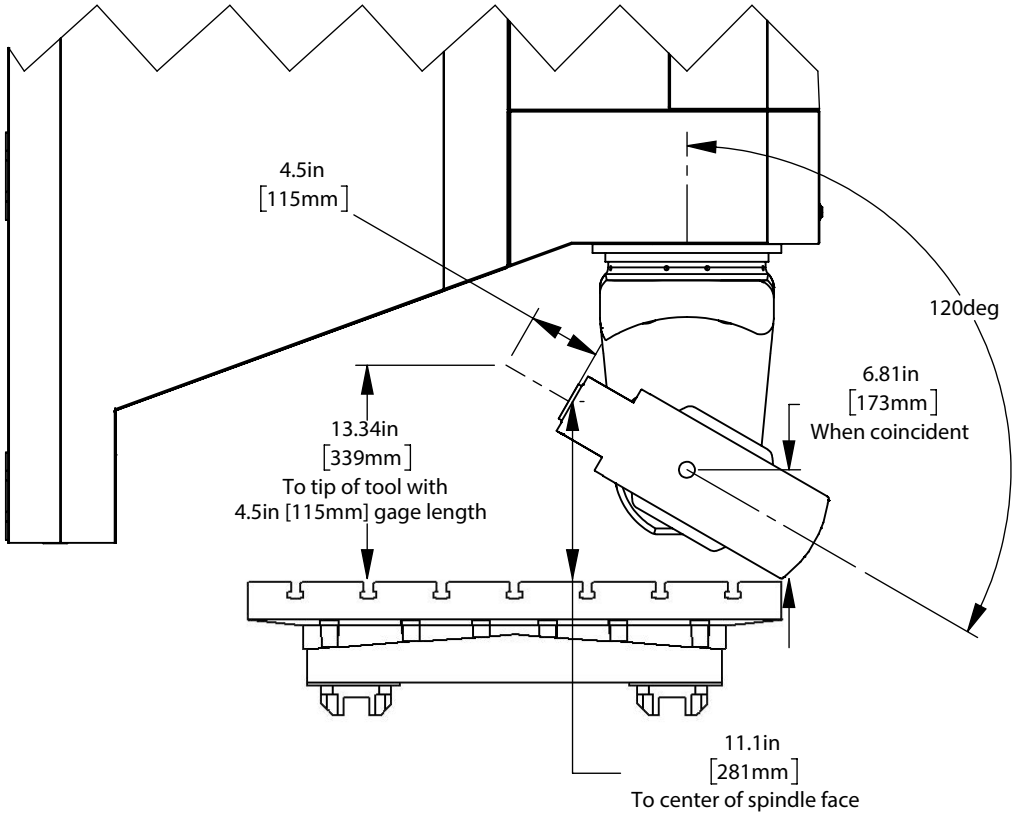
In addition to the tool changer interference zone, the machine has restricted zones between the gimbal head and fixed machine elements
When Setting 408 = 1 the interference zones account for the tool length based on its Z geometry in the offset table
When Setting 408 = 0 the tool length is not considered in the interference zones

Potential interference at maximum Z travel with Z axis casting

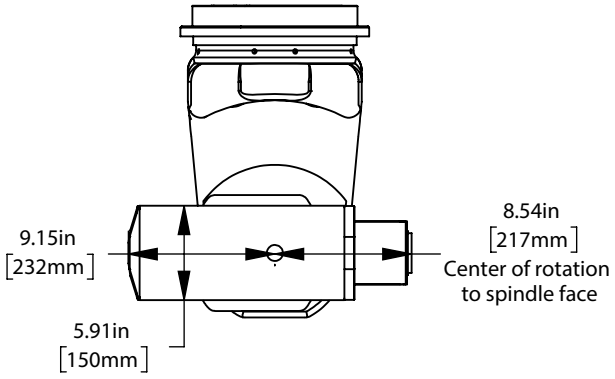


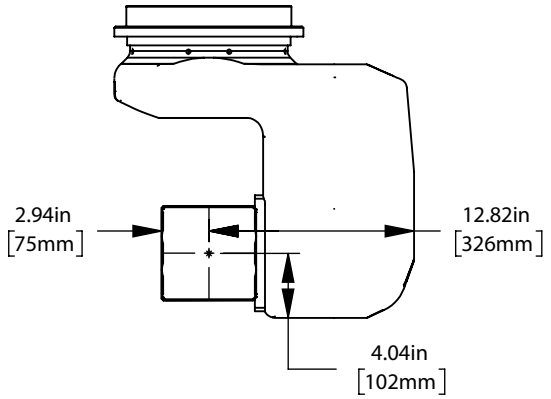
Minimum Z height to reach B120°

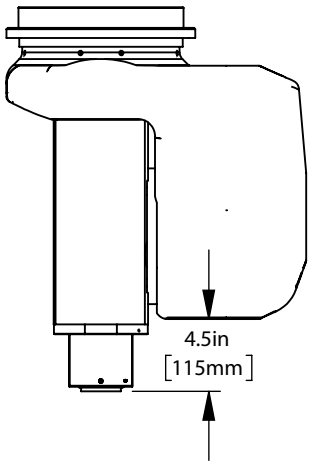
(Measurements apply to both Standard and Dual Support)

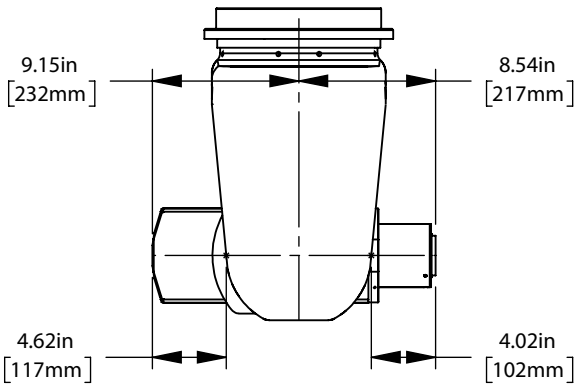


Gimbal Head Details









Dual Support Yoke Head Details