

Specifications			MULTUS B400II					
			X1,500			X2,000		
			T	C	W	C	W	
Capacity	Swing over saddle	mm (in.)	ø710 (27.95) (Y=0)					
	Max machining dia	mm (in.)	ø710 (27.95)					
	Distance between centers	mm (in.)	1,500 (59.06)		2,000 (78.74)			
Travels	X axis	mm (in.)	690 (+670 to -20) (27.17 (+26.38 to -0.79))					
	Z axis	mm (in.)	1,545 (60.83)		2,045 (80.51)			
	Y axis	mm (in.)	230 (+115 to -115) (9.06 (+4.53 to -4.53)) <sup>*1</sup>					
	W axis	mm (in.)	-	1,550 (61.02)		-	2,050 (80.71)	
	C-axis control	degree	360 (min control angle 0.001)					
	B axis indexing angle	degree	225 (-30 to 195 (min control angle 0.001))					
	Main spindle	Spindle speed	min <sup>-1</sup>	38 to 3,800 [30 to 2,800]				
Speed ranges			2 auto ranges (2-speed motor coil switching)					
Spindle nose			JIS A2-8 [JIS A2-11]					
Tapered bore / Bearing dia		mm (in.)	ø80/ø120 [ø110/ø150] [ø3.15/ø4.72 [ø4.33/ø5.91]]					
Opposing spindle		Spindle speed	min <sup>-1</sup>	-	38 to 3,800 <sup>*2</sup>		-	38 to 3,800 <sup>*2</sup>
	Speed ranges		-	2 auto ranges (motor coil switching)		-	2 auto ranges (motor coil switching)	
	Spindle nose		-	JIS A2-8 <sup>*2</sup>		-	JIS A2-8 <sup>*2</sup>	
	Tapered bore / Bearing dia	mm (in.)	-	ø80/ø120 (ø3.15/ø4.72) <sup>*2</sup>		-	ø80/ø120 (ø3.15/ø4.72) <sup>*2</sup>	
Turret	Type		H1 ATC					
	No. of tools stations		1 for both L and M tools					
	OD tool shank dimensions/ ID tool shank diameter	mm (in.)	□25/ø40 (□1/ø1-1/2)					
Milling tool spindle	Speed range	min <sup>-1</sup>	50 to 6,000 [50 to 10,000]					
	Max torque	N-m	85/59.6 (5 min/cont) [65.5/45 (5 min/cont)]					
Feedrates	Cutting feedrate	mm/rev	0.001 to 1,000.000					
	Rapid traverse	mm/min	X : 40,000 Z : 40,000 Y : 26,000					
		min <sup>-1</sup>	-	W : 12,000 (Tailstock)	W : 20,000	W : 12,000 (Tailstock)	W : 20,000	
NC tailstock	Tailstock spindle tapered bore type		-	MT5	-	MT5	-	
	Tailstock travel	mm (in.)	-	1,550 (61.02)	-	2,050 (80.71)	-	
ATC	Tool shank / Pull stud		HSK-A63 [CAPTO C6]					
	No. of tools	tools	20 [40, 80, 120]					
	Max tool dia	mm (in.)	ø90 (3.54) [ø130 (5.12) w/o adjacent tools]					
	Max tool length	mm (in.)	400 (15.75) (from gauge line)					
	Max tool weight	kg (lb)	10 (22)					
Motors	Main spindle	kW (hp)	22/15 (30/20) (50%ED/cont) [30/22 (40/30) (50%ED/cont)]					
	Opposing spindle	kW (hp)	-	22/15 (30/20) <sup>*2</sup> (20 min/cont)		-	22/15 (30/20) <sup>*2</sup> (20 min/cont)	
	Milling tool spindle	kW (hp)	14/10 (19/13) (5 min/cont) [20/14 (27/19) (5 min/cont)]					
	Axis drive motors	kW (hp)	X : 3.5 (5), Y : 2.8 (4), Z : 4.6 (6)					
	W axis motors	kW (hp)	-	2.8 (4) (Tailstock)	2.8 (4)	2.8 (4) (Tailstock)	2.8 (4)	
	Coolant pump motor (50/60Hz)	kW (hp)	0.55/0.75 (0.7/1)×3					
Machine size	Height	mm (in.)	3,000 (118.11)			3,137 (123.5)		
	Floor space (with tank)	mm×mm (in.)	5,750×2,693 (226.38 × 106.02)			7,050×2,693 (277.56 × 106.02)		
	Weight (with CNC)	kg (lb)	14,200 (31,240)	14,500 (31,900)	15,500 (34,100)	16,500 (36,300)	17,500 (38,500)	

[ ] : Optional

\*1. Travel limitations may exist per turret position when using Big-Bore opposing spindles.

\*2. Big-Bore opposing spindle specs available for the MULTUS B400II: ø110, ø150 mm, JIS A2-11, 30 to 3,000 min<sup>-1</sup>, 22/15 kW (30 min/cont).