

MULTUS BII

			MULTUS B200 II				MULTUS B300 II			MULTUS B400 II							
CAPACITY	Specifications		DBC: *1		550		750		900			1,500			2,000		
	T: w/o tailstock C: w/ tailstock W: Opposing spindle		T	C	C	W	T	C	W	T	C	W	C	W			
	Swing over bed	mm (in.)	ø600 (23.62)				ø630 (24.8) (Y=0)			ø710 (27.95) (Y=0)							
	Swing over saddle	mm (in.)	ø600 (23.62)				ø630 (24.8)			ø710 (27.95)							
	Distance between centers	mm (in.)	550 (21.65)		750 (29.53)		900 (35.43)			1,599 (59.06)			2,000 (78.74)				
TRAVELS	X axis	mm (in.)	500 <+480 to -20> (19.69 <+18.9 to -0.79>)				580 <+560 to -20> (22.83 <+22.05 to -0.79>)			690 <+670 to -20> (27.17 <+26.38 to -0.79>)							
	Z axis	mm (in.)	600 (23.62)		800 (31.5)		935 (36.81)			1,545 (60.83)			2,045 (80.51)				
	Y axis	mm (in.)	160 <+80 TO -80> (6.3 <+3.15 TO -3.15>)						230 <+115 TO -115> (9.06 <+4.53 TO -4.53>)								
	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 ⁻¹	50 ~ 6,000 [45 - 5,000]				45 ~ 5,000 [38 ~ 3,800]			38 ~ 3,800 [30 ~ 2,800]							
	Speed ranges		Auto 2-speed (coil switch)				Auto 2- speed (coil switch)										
	Spindle nose		ø140 flat [JIS A2-6]				JIS A2-6 [JIS A2-8]			JIS A2-8 [JIS A2-11]							
	Tapered bore / Bearing diameter	mm (in.)	ø62/ ø100 [ø80/ ø120]				ø62/ ø100 [ø80/ ø120]			ø80/ ø120 [ø110/ ø150]							
			(ø2.44/ ø3.94 [(ø3.15/ ø4.72)])				(ø3.15/ ø4.72 [(ø4.33/ ø5.91)])										
OPPOSING SPINDLE	Spindle speed	min ⁻¹	-		50 ~ 6,000		-		45 ~ 5,000		-		38 ~ 3,800		-	38 ~ 3,800	
	Speed ranges (coil switch)		-		Auto 2-speed		-		Auto 2-speed		-		Auto 2-speed		-	Auto 2-speed	
	Spindle nose		-		ø140 flat		-		JIS A2-6		-		JIS A2-8		-	JIS A2-8	
	Tapered bore/ Bearing diameter	mm (in.)	-		ø62/ ø100 (ø2.44/ ø3.94)		-		ø62/ ø100 (ø2.44/ ø3.94)		-		ø80/ ø120 (ø3.15/ ø4.72)		-	ø80/ ø120 (ø3.15/ ø4.72)	
	TURRET	Type		H1-ATC													
No. of tool stations			1 for both L and M tools														
Tool shank/Boring bar shank dia		mm (in.)	□20/ ø32 (□3/4ø1-1/4)				□25/ ø40 (□1/ø1-1/2)										
M-SPINDLE	Speed Range	min ⁻¹	50 ~ 12,000 [20,000 [*]]				50 ~ 6,000 (10,000)										
	Max Torque	N · m	40.1 / 26.3 (5 min/cont)				65.7 /41.8 ^{*2} [57.3/38.2 (5 min/cont)]					85/58 (5 min/cont) [74/49 (5 min/cont)]					
	Milling tool spindle dia		ø65 (2.56)				ø70 (2.76)										
FEEDRATES	Cutting feed command range	mm/rev (ipr)	0.001 ~ 1,000 (0.00004 ~ 39.37)														
	Rapid traverse	mm/min (ipm)	X: 40,000 (1,575) Z: 40,000 (1,575) Y: 26,000 (1,024)														
		min ⁻¹ (rpm)	-		W:20,000 (787)		-		W: 20,000 (787)		-		W: 20,000 (787)		-	W: 20,000 (787)	
ATC	Tool shank/ Pull stud		HSK-A63 [CAPTO C6]														
	No. of tools		20 [40, 60]											20 [40, 80]			
	Max tool dia	mm (in.)	ø90 (3.54) {ø130 (5.12)w/o adjacent tools}														
	Max tool length	mm (in.)	200 (7.87) from gauge line				300 (11.81) from gauge line				400 (15.75) from gauge line						
	Max tool weight	kg (lb)	4 (9)				8 (18)				10 (22)						
TAILSTOCK	Center size		-	MT 4		-	-	MT 5		-	-	MT 5		-	MT 5		
	Tailstock travel	mm (in.)	-	720 (28.35)	810 (31.89)	-	-	1,000 (39.37)		-	-	1,550 (61.02)		-	2,050 (80.71)		
MOTORS	Main spindle	kW (hp)	PREX 11/7.5 (15/10) (20 min/cont) [Big Bore 22/15 (30/20) (15 min/cont)]				VAC 15/11 (20/15) (20 min/cont) [22/15 (30/20) (20 min/cont)]			VAC 22/15 (30/20) (50%ED/cont) [30/22 (40/30) (50% ED/cont)] [30/22 (40/30) (50% ED/cont)]							
	Opposing spindle	kW (hp)	-			PREX 11/7.5 (15/10) (20 min/cont)		-		VAC 22/15 (30/20) (20 min/cont)		-		VAC 22/15 (30/20) (20 min/cont)		-	VAC 22/15 (30/20) (20 min/cont)
	Milling tool spindle (5 min.cont)	kW (hp)	VAC 12/8 (16/11) [9/6 (12/8)*]				PREX 11/7.5 (15/10) [PREX 16/11 (21/15)]				PREX 14/10 (19/13) [PREX 20/14 (27/19)]						
	Z axis	kW (hp)	BL2.8 (4)				BL3.5 (5)				BL4.6 (6)						
	X axis	kW (hp)	BL3.5 (5)				BL3.5 (5)				BL3.5 (5)						
	Y axis	kW (hp)	BL2.9 (4)				BL2.9 (4)				BL2.8 (4)						
	W axis	kW (hp)	-	BL2.9 (4)			-	BL2.9 (4)		-	BL2.8 (4)						
	Coolant	kW (hp)	0.8 (1)														
SIZE	Height	mm (in.)	2,582 (101.66)				2,587 (101.85)			3,000 (118.11)			3,137 (123.5)				
	Floor space*2	mm (in.)	3,385 x 2,210		3,925 x 2,210		4,340 x 2,257			5,750 x 2,660			7,050 x 2,660				
			(133.27 x 87.01)		(154.53 X 87.01)		(170.87 x 88.86)			(226.38 x 104.73)			(277.56 x 104.73)				
	Weight (w/ CNC system)	kg (lb)	7,000 (15,400)		7,700 (16,940)	8,000 (17,600)	9,700 (21,340)	10,000 (22,000)	10,300 (22,660)	14,200 (31,240)	14,500 (31,900)	15,500 (34,100)	15,000 (33,000)	16,000 (35,200)			

*HSK-A63 only

*1 Distance Between Centers

*2. 3 min/cont

[]: Optional