



HS500 / HS500i

Specification

ITEM			HS500	HS500i 8,000rpm	HS500i 12,000rpm	
TABLE	Size (length x width)	mm [in]	500 x 500 [19.7 x 19.7]	500 x 500 [19.7 x 19.7]	500 x 500 [19.7 x 19.7]	
	Max. load on table	kgf [lbs]	500 [1,102]	500 [1,102]	500 [1,102]	
	Max. work size	mm [in]	2-Ø760xH850 [29.9x33.5]	2-Ø760xH850 [29.9x33.5]	2-Ø760xH850 [29.9x33.5]	
	Table type		Tap Hole	Tap Hole	Tap Hole	
	Min. indexing angle	STD	degree	1	1	1
OPT		0.001		0.001	0.001	
TRAVEL	Table longitudinal	X	850 [33.5]	850 [33.5]	850 [33.5]	
	Table cross	Y	700 [27.6]	700 [27.6]	700 [27.6]	
	Spindle head verticle	Z	750 [29.5]	750 [29.5]	750 [29.5]	
	Distance between spindle center to table top		50~750 [2.0~29.5]	50~750 [2.0~29.5]	50~750 [2.0~29.5]	
	Distance between table center to spindle nose		150~900 [5.9~35.4]	150~900 [5.9~35.4]	150~900 [5.9~35.4]	
SPINDLE	Taper		BBT#40	BBT#40	BBT#40	
	Speed	STD	rpm	15,000	8,000	12,000
		OPT				
	Power	STD	kw (hp)	25/22 [33.5/29.5]	15/11 [20.1/14.7]	25/22 [33.5/29.5]
		OPT				
Torque	STD	kgf-m [ft-lbs]	17 [123]	29.5 [213.4]	17 [123]	
	OPT					
Spindle drive	STD		BUILT-IN	DIRECT	BUILT-IN	
FEED	Rapid	X, Y axis	m/min [ipm]	50 [1,969]	50 [1,969]	50 [1,969]
		Z axis		50 [1,969]	50 [1,969]	50 [1,969]
	Cutting feed rate		50 [1,969]	50 [1,969]	50 [1,969]	
ATC	Type		twin arm	twin arm	twin arm	
	Tool storage capacity	STD	EA	40	40	40
		OPT		60, 90	60	60
	Max. tool diameter		mm [in]	75 [3.0]	75 [3.0]	75 [3.0]
	Max. tool diameter (without adjacent tool)			140 [5.5]	140 [5.5]	140 [5.5]
	Max. tool length		400 [15.8]	400 [15.8]	400 [15.8]	
	Max. tool weight		kgf [lbs]	8 [17.6]	8 [17.6]	8 [17.6]
	Tool selection type			Fixed address	Fixed address	Fixed address
Tool change time	tool to tool	sec.	1.5	1.5	1.5	
	chip to chip		4.0	4.0	4.0	
APC	Pallet change type		Direct Turn	Direct Turn	Direct Turn	
	Pallet change time		9.5	9.5	9.5	
MOTOR	Spindle	Main	kw (hp)	25/22 [33.5/29.5]	15/11 [20.1/14.7]	25/22 [33.5/29.5]
		X / Y		5.5/5.5 [7.4/7.4]	4/4 [5.4/5.4]	4/4 [5.4/5.4]
	Feed	Z / B		5.5/4.5 [7.4/6]	7/3 [9.4/4]	7/3 [9.4/4]
Coolant						
Coolant through spingie (Option)			30 bar 70 bar	N/A N/A	30 bar 70 bar	
Rigid tapping			STD	STD	STD	
Electric capacity			kVA	100	60	
Floor space			mm [in]	2,770 x 4,950 [109.1 x 194.9]	2,770 x 4,950 [109.1 x 194.9]	
Slide way				Roller guide	Roller guide	
Machine weight			kgf [lbs]	15,000 [33,069]	15,000 [33,069]	
Controller	STD		FANUC 18iMB	FANUC 21iMB	FANUC 21iMB	
	OPT					

Design and Specifications are subject to change without prior notice.