SKT160A / SKT160C

CNC Turning Center

Accomplishment of High Speed, High Rigidity and
High Productivity - The next generation affordable CNC Lathe

- 45° slanted one-piece high rigidity bed structure.
- Least heat distortion, the most stabilized unit structure.
- Able to extend, and high productive machine structure
- Unbeatable rapid travel speed: 30m/min (1,181ipm)
- The most reliable high speed servo turret is adopted: 0.1 sec/step
- Environmental friendly, separate coolant and lubrication design
- Compact design, able to install at narrow space
- Ergonomically design allows convenient access to chuck and tool

			SKT160A	SKT160C
Chuck Size		inch	6	8
Swing over the bed		mm [in]	480 [18.9]	480 [18.9]
Maximum turning length		mm [in]	300 [11.8]	280 [11.0]
Bar capacity		mm [in]	45 [1.77]	51 [2.01]
Travel	X	mm [in]	165 [6.5]	165 [6.5]
	Y		-	-
	Z		330 [13.0]	330 [13.0]
	ZB		-	-
Main spindle speed		rpm	6,000	4,000
Rapid Traverse	X axis	m/min [ipm]	30 [1,181]	30 [1,181]
	Y axis		-	-
	Z axis		30 [1,181]	30 [1,181]
	ZB axis		-	-
	C axis		-	-
Power main	Main	kw [hp]	11/7.5 [14.7/10]	11/7.5 [14.7 /10]

Design and Specifications are subject to change without prior notice.

HYUNDAI-KIA MACHINE
AMERICA CORP.
Power of Evolution
www.Hyundai-KiaMachine.com

SKT160A / SKT160C

Specification

ITEM				SKT160A	SKT160C
CHUCK	Standard size		inch	6	8
	Optional size				
CAPACITY	Swing over the bed		mm [in]	480 [18.9]	480 [18.9]
	Swing over the cross slide			285 [11.2]	285 [11.2]
	Maximum turning diameter	Turning		290 [11.4]	290 [11.4]
		Milling		-	-
	Maximum turning length			300 [11.8]	280 [11.0]
	Bar capacity			45 [1.77]	51 [2.01]
TRAVEL	Axis	X	mm [in]	165 [6.5]	165 [6.5]
		Y		N/A	-
		Z		330 [13.0]	330 [13.0]
		ZB		-	-
MAIN SPINDLE	Maximum spindle speed		rpm	6,000	4,000
	Spindle nose			A2-5	A2-6
	Spindle bore		mm [in]	55 [2.17]	62 [2.44]
	Maximum spindle torque		kgf-m [ft-lbs]	7.14(8.12) [51.6](58.7)	12.86(12.63) [93.0](91.4)
	Speed drive			BELT	BELT
SUB SPINDLE	Chuck size		mm [in]	N/A	N/A
	Maximum spindle speed		rpm		
	Spindle nose				
	Spindle bore		mm [in]		
	Bar capacity		mm [in]		
	Maximum spindle torque		kgf-m [ft-lbs]		
	Speed drive				
TOOL POST	Type			NC Servo(B/H)	NC Servo(B/H)
	Number of tool		EA	12	10
	Tool Size	O.D	mm [in]	20 [3/4]	25 [1.0]
		I.D		32 [1 1/4]	32 [1 1/4]
	Turret clamping force		kgf-m [ft-lbs]	3,200 [7,055]	3,200 [7,055]
	Turret indexing time (1 face)		sec.	0.10	0.1
MILLING TOOL	Type			N/A	N/A
	Max. speed		rpm		
	Motor power		kw [hp]		
FEED	Rapid traverse rate	X axis	m/min [in]	30 [1,181]	30 [1,181]
		Y axis		-	-
		Z axis		30 [1,181]	30 [1,181]
		ZB axis		-	-
		C axis		-	-
TAIL STOCK	Type			Manual	Manual
	Quill bore taper		-	MT#4	MT#4
	Quill diameter		mm [in]	55 [2.2]	55 [2.2]
	Quill travel			80 [3.1]	80 [3.1]
	Tail stock travel			200 [7.9]	200 [7.9]
MOTOR	Spindle	Main	kw [hp]	11/7.5(12.5/7) [14.7/10](16.7/9.4)	11/7.5(12.5/7) [14.7 /10](16.8/9.4)
		Sub		-	-
	Feed	X/Z		1.2(1.48) [1.6](2.0)	1.2(1.48) [1.6](2.0)
		Y/ZB		-	-
	Coolant				
Bed slant			deg.	45°	45°
Slide way				Ball guide	Ball guide
Power capacity		Fanuc	kVA	22.5	22.5(26.3)
		Siemens			
Floor space (LxW)		Fanuc	mm [in]	1,920×1,610 [75.6 x 63.3]	1,920 × 1,610 [75.6 x 63.4]
		Siemens		1,920×1,610	1,920 × 1,755
Weight			kgf [lbs]	2,400 [5,291]	2,500 [5,512]
Controller			STD	FANUC 0iT	FANUC 0iT
			OPT	SIEMENS 802D	SIEMENS 802D

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