

SKT-V5R/L / SKT-V5R/LM



Vertical Turning Center

Flexible, Productive Automation System
Vertical Turning Center

- Heavy Duty cutting, highly stabilized spindle structure (Loading & clamping by self-weight structure)
- One piece column, square type stabilized structure
- Variety accessories can be adopted for flexible machining
- The most Mechanical, Electrical, and hydraulically optimized machine structure
- Design space arrangement for easy Chip Flow

		SKT-V5R/L	SKT-V5R/LM
Chuck Size	inch	15	15
Swing over the bed	mm [in]	800 [31.5]	800 [31.5]
Maximum turning length	mm [in]	600 [23.6]	600 [23.6]
Bar capacity	mm [in]	-	-
Travel	X	325 [12.8]	315 [12.4]
	Y	-	-
	Z	625 [24.6]	625 [24.6]
	ZB	-	-
Main spindle speed	rpm	2,000	2,000
Rapid Traverse	X axis	20 [787]	20 [787]
	Y axis	-	-
	Z axis	18 [709]	18 [709]
	ZB axis	-	-
	C axis	-	-
Power main	Main kw [hp]	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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Specification

ITEM			SKT-V5R/L	SKT-V5R/LM	
CHUCK	Standard size	inch	15	15	
	Optional size				
CAPACITY	Swing over the bed	mm [in]	800 [31.5]	800 [31.5]	
	Swing over the cross slide		560 [22.1]	560 [22.1]	
	Maximum turning diameter		Turning	550 [21.7]	550 [21.7]
			Milling	-	600 [23.6]
	Maximum turning length		600 [23.6]	600 [23.6]	
Bar capacity	-	-			
TRAVEL	Axis	X	325 [12.8]	315 [12.4]	
		Y	-	-	
		Z	625 [24.6]	625 [24.6]	
		ZB	-	-	
MAIN SPINDLE	Maximum spindle speed	rpm	2,000	2,000	
	Spindle nose		A2-11	A2-11	
	Spindle bore	mm [in]	-	-	
	Maximum spindle torque	kgf-m [ft-lbs]	84 [607.5]	84 [607.6]	
	Speed drive		BELT	BELT	
SUB SPINDLE	Chuck size	mm [in]	Option	Option	
	Maximum spindle speed	rpm			
	Spindle nose				
	Spindle bore	mm [in]			
	Bar capacity	mm [in]			
	Maximum spindle torque	kgf-m [ft-lbs]			
TOOL POST	Type		NC Servo(B/H)	NC Servo(B/H)	
	Number of tool	EA	8	12	
	Tool Size	O.D	mm [in]	32 [1 1/4]	32 [1 1/4]
		I.D		50 [2]	50 [2]
	Turret clamping force	kgf-m [ft-lbs]	9,350 [20,613]	9,350 [20,613]	
Turret indexing time (1 face)	sec.	0.8	0.8		
MILLING TOOL	Type		N/A	BMT75	
	Max. speed	rpm		3,200	
	Motor power	kw [hp]		3.7 [5]	
FEED	Rapid traverse rate	X axis	20 [787]	20 [787]	
		Y axis	-	-	
		Z axis	18 [709]	18 [709]	
		ZB axis	-	-	
		C axis	-	-	
TAIL STOCK	Type		N/A	N/A	
	Quill bore taper	-			
	Quill diameter				
	Quill travel	mm [in]			
Tail stock travel					
MOTOR	Spindle	Main	22/18.5 [29.5/24.8]	22/18.5 [29.5/24.8]	
		Sub	-	-	
	Feed	X/Z	3.0/4.0 [4/5.4]	3.0/4.0 [4/5.4]	
		Y/ZB			
Coolant					
Bed slant		deg.			
Slide way			Ball guide	Ball guide	
Power capacity	Fanuc	kVA	60	60	
	Siemens				
Floor space (LxW)	Fanuc	mm [in]	2,842 × 1,855 [111.9 × 73.0]	2,842 × 1,855 [111.9 × 73.0]	
	Siemens				
Weight		kgf [lbs]	10,000 [22,046]	10,000 [22,046]	
Controller		STD	Fanuc 21iT	Fanuc 21iT	
		OPT			

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