

KV25 / KV25P



Vertical Machining Center

Column Traveling Type Compact Machining Center

- Fixed table and column traveling structure are suitable for a factory automation
- Coolant and chips were flushed into the rear of the machine for central chip collection.
- The width of the machine(1,460mm,57.5) is ideally suited for a factory automation

			KV25	KV25P
Table Size (length x width)		mm [in]	650 x 300 [25.6x11.8]	2-560 x 320 [22.1x12.6]
Table Load		kgf [lbs]	-	2 x 150 [331]
Travel	X	mm [in]	500 [19.7]	500 [19.7]
	Y		280 [11.0]	280 [11.0]
	Z		380 [15.0]	380 [15.0]
Spindle Taper		mm [in]	NT # 30	NT # 30
Spindle Speed	STD	rpm	12,000	12,000
Spindle Power	Main	kw [hp]	5.5/3.7 [7.3/5]	5.5/3.7 [7.3/5]
Rapid Traverse	X,Y axis	m/min [ipm]	30 [1,181]	30 [1,181]
	Z axis		24 [945]	24 [945]
Tool Storage Capacity	STD	EA	16	16
	OPT		10	10

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

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Specification

ITEM			KV25	KV25P	
TABLE	Size (length x width)		mm [in]	650 × 300 [25.6x11.8]	2-560 × 320 [22.1x12.6]
	Max. load on table		kgf [lbs]	-	2 × 150 [331]
	Table type			T-slot	Tap Hole
TRAVEL	Table longitudinal	X	mm [in]	500 [19.7]	500 [19.7]
	Table cross	Y		280 [11.0]	280 [11.0]
	Spindle head verticle	Z		380 [15.0]	380 [15.0]
	Tilting	A	degree	-	-
	Rotating	C		-	-
	Distance from column to spindle center			368 [14.5]	368 [14.5]
	Distance from table surface to spindle nose			200 ~ 580 [7.9~22.8]	200 ~ 580 [7.9~22.8]
SPINDLE	Taper			NT # 30	NT # 30
	Speed	STD	rpm	12,000	12,000
		OPT		-	-
	Power	STD	kw [hp]	5.5/3.7 [7.4/5.0]	5.5/3.7 [7.4/5.0]
		OPT		-	-
	Torque	STD	kgf-m [ft-lbs]	3.6 [26.0]	3.6 [26.0]
OPT					
Spindle Drive		STD	Direct drive	Direct drive	
FEED	Rapid	X,Y axis	m/min [ipm]	30 [1,181]	30 [1,181]
		Z axis		24 [945]	24 [945]
	Tilting	A	rpm	-	-
	Rotating	C		-	-
	Cutting feed rate			m/min [ipm]	10 [394]
ATC	Type			twin arm	twin arm
	Tool storage capacity	STD	EA	16	16
		OPT		10	10
	Max. tool diameter		mm [in]	80 [3.15]	80 [3.15]
	Max. tool diameter (without adjacent tool)				
	Max. tool length			200 [7.87]	200 [7.87]
	Max. tool weight		kgf [lbs]	3 [6.6]	3 [6.6]
	Tool selection type			Random	Random
Tool change time	tool to tool chip to chip	sec.	0.9	0.9	
			2.5	2.5	
MOTOR	Spindle	Main	kw [hp]	5.5/3.7 [7.3/5]	5.5/3.7 [7.3/5]
	Feed	X / Y		0.9/0.9 [1.2/1.2]	0.9/0.9 [1.2/1.2]
		Z / B		1.4 [1.9]	1.4 [1.9]
Coolant					
APC	Pallet change type			-	Dual table
	Pallet change time		sec.	-	4.0
Coolant through spingle (Option)				N/A	N/A
Rigid tapping				STD	STD
Electric capacity			kVA	18	20
Floor space			mm [in]	2,625 × 1,605 [103.3x63.2]	2,810 × 1,605 [110.6x63.2]
Slide way				LM guide	LM guide
Machine weight			kgf [lbs]	2,500 [5,512]	3,000 [6,614]
Controller			STD	FANUC 0iM	FANUC 0iM
			OPT		

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