

KV45



Vertical Machining Center

High Quality, High Performance, High Productive Mechanism, Super Power, the Next Generation Machining Center

- Coolant tank with variety options are attachable.
- High productivity guaranteed APC (Optional feature)
- Double anchors type ball-screw

KV45			
Table Size (length x width)		mm [in]	1,150 × 460 [45.3x18.1]
Table Load		kgf [lbs]	800 [1,764]
Travel	X	mm [in]	800 [31.5]
	Y		500 [19.7]
	Z		520 [20.5]
Spindle Taper		mm [in]	NT # 40
Spindle Speed	STD	rpm	6,000
Spindle Power	Main	kw [hp]	11/7.5 [14.7/10]
Rapid Traverse	X,Y axis	m/min [ipm]	20 [787]
	Z axis		15 [591]
Tool Storage Capacity	STD	EA	20
	OPT		30

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

www.Hyundai-KiaMachine.com



KV45

Specification

ITEM			KV45		
TABLE	Size (length x width)		mm [in]	1,150 x 460 [45.3x18.1]	
	Max. load on table		kgf [lbs]	800 [1,764]	
	Table type			T-slot	
TRAVEL	Table longitudinal	X	mm [in]	800 [31.5]	
	Table cross	Y		500 [19.7]	
	Spindle head verticle	Z		520 [20.5]	
	Tilting	A	degree	-	
	Rotating	C		-	
	Distance from column to spindle center			500 [19.7]	
	Distance from table surface to spindle nose			150 ~ 670 [5.9~26.4]	
SPINDLE	Taper			NT # 40	
	Speed	STD	rpm	6,000	
		OPT		8,000	
	Power	STD	kw [hp]	11/7.5 [14.7/10]	
		OPT			
	Torque	STD	kgf-m [ft-lbs]	38.2 [276.3]	
OPT					
Spindle Drive		STD	Geardle head		
FEED	Rapid	X,Y axis	m/min [ipm]	20 [787]	
		Z axis		15 [591]	
	Tilting	A	rpm	-	
	Rotating	C		-	
Cutting feed rate			m/min [ipm]	5 [197]	
ATC	Type			twin arm	
	Tool storage capacity	STD	EA	20	
		OPT		30	
	Max. tool diameter			mm [in]	95 [3.7]
	Max. tool diameter (without adjacent tool)				150 [5.9]
	Max. tool length				300 [11.8]
	Max. tool weight			kgf [lbs]	10 [22.0]
	Tool selection type				Random
Tool change time	tool to tool chip to chip	sec.		2.0	
				6.0	
MOTOR	Spindle	Main	kw [hp]	11/7.5 [14.7/10]	
	Feed	X / Y		3.0/3.0 [4.0/4.0]	
		Z / B		4 [5.4]	
Coolant					
APC	Pallet change type				
	Pallet change time		sec.		
Coolant through spingle (Option)				20BAR	
Rigid tapping				STD	
Electric capacity			kVA	19	
Floor space			mm [in]	2,840 x 2,978 [111.8x117.2]	
Slide way				Box way	
Machine weight			kgf [lbs]	6,000 [13,228]	
Controller			STD	FANUC 0iM	
			OPT		

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