

VX600TL



Vertical Machining Center

The most advanced compact design
- Next Generation Machining Center

Hyundai-Kia Machine vertical machining center series accomplished super power heavy duty cutting with high accuracy, high rigidity and high precision, based on minimized heat distortion super precision spindle with angular contact ball bearing and rigid mechanism. Hyundai-Kia Machine vertical machining center series could be born because traditions of long time machine builder, his Know-How and mixture of newly developed technology.

New VX600TL

Table Size (length x width)		mm [in]	800 × 600 [31.5x23.6]
Table Load		kgf [lbs]	400 [882]
Travel	X		700 [27.6]
	Y	mm [in]	600 [23.6]
	Z		350 [13.8]
Spindle Taper		mm [in]	NT # 30
Spindle Speed	STD	rpm	12,000
Spindle Power	Main	kw [hp]	7.5/5.5 [10/7.4]
Rapid Traverse	X,Y axis	m/min [ipm]	60 [2,362]
	Z axis		60 [2,362]
Tool Storage Capacity	STD	EA	14
	OPT		-

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

www.Hyundai-KiaMachine.com



VX600TL

Specification

ITEM			VX600TL New	
TABLE	Size (length x width)		mm [in]	800 × 600 [31.5x23.6]
	Max. load on table		kgf [lbs]	400 [882]
	Table type			T-slot
TRAVEL	Table longitudinal	X	mm [in]	700 [27.6]
	Table cross	Y		600 [23.6]
	Spindle head verticle	Z		350 [13.8]
	Tilting	A	degree	-
	Rotating	C		-
	Distance from column to spindle center			444 [17.5]
	Distance from table surface to spindle nose			150 ~ 500 [5.9~19.7]
SPINDLE	Taper			NT # 30
	Speed	STD	rpm	12,000
		OPT		
	Power	STD	kw [hp]	7.5/5.5 [10/7.4]
		OPT		
	Torque	STD	kgf-m [ft-lbs]	4.9 [35.4]
OPT				
Spindle Drive		STD	Direct drive	
FEED	Rapid	X,Y axis	m/min [ipm]	60 [2,362]
		Z axis		60 [2,362]
	Tilting	A	rpm	-
	Rotating	C		-
Cutting feed rate		m/min [ipm]	20 [787]	
ATC	Type			Armless
	Tool storage capacity	STD	EA	14
		OPT		-
	Max. tool diameter		mm [in]	80 [3.1]
	Max. tool diameter (without adjacent tool)			100 [3.9]
	Max. tool length			200 [7.9]
	Max. tool weight		kgf [lbs]	2.8 [6.2]
	Tool selection type			Random
Tool change time	tool to tool chip to chip	sec.	1.1	
			1.9	
MOTOR	Spindle	Main	kw [hp]	7.5/5.5 [10/7.4]
	Feed	X / Y		3/3 [4/4]
		Z / B		3 [4]
Coolant				
APC	Pallet change type			-
	Pallet change time		sec.	-
Coolant through spingle (Option)				20BAR
Rigid tapping				STD
Electric capacity			kVA	20
Floor space			mm [in]	2,060 × 2,680 [81.1x105.5]
Slide way				LM guide
Machine weight			kgf [lbs]	3,500 [7,716]
Controller			STD	FANUC OiM
			OPT	

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