

KH80G



Horizontal Machining Center

Accomplished Revolutionary Productivity

- Next Generation High Performance Machining Center

Horizontal Machining Center KH Series accomplished super power heavy duty cutting with high performance, based on minimized heat distortion, super precision spindle and rigid mechanism. KH Series could be born because traditions of long time machine builder, his Know-How and mixture of newly developed technology.

KH80G			
Table Size (length x width)		mm [in]	800 x 800 [31.5 x 31.5]
Table Load		kgf [lbs]	2,200 [4,850]
Travel	X		1,250 [49.2]
	Y	mm [in]	1,000 [39.4]
	Z		850 [33.5]
Spindle Taper		mm [in]	NT #50
Spindle Speed	STD	rpm	4,500
	OPT		
Spindle Power	STD	kw [hp]	26/22 [34.9/29.5]
	OPT		
Rapid Traverse	X, Y axis	m/min [ipm]	18 [709]
	Z axis		18 [709]
Tool Storage Capacity	STD	EA	40
	OPT		80,120

Design and Specifications are subject to change without prior notice.

**HYUNDAI-KIA MACHINE
AMERICA CORP.**

Power of Evolution

www.Hyundai-KiaMachine.com



KH80G

Specification

ITEM			KH80G		
TABLE	Size (length x width)		mm [in]	800 x 800 [31.5 x 31.5]	
	Max. load on table		kgf [lbs]	2,200 [4,850]	
	Max. work size		mm [in]	2-Ø1,150xH1,150 [Ø45.3 x H45.3]	
	Table type				
	Min. indexing angle	STD	degree	1	
OPT		0.001			
TRAVEL	Table longitudinal	X	mm [in]	1,250 [49.2]	
	Table cross	Y		1,000 [39.4]	
	Spindle head verticle	Z		850 [33.5]	
	Distance between spindle center to table top				50~1,050 [2.0~41.3]
	Distance between table center to spindle nose				250~1,100 [9.8~43.3]
SPINDLE	Taper			NT #50	
	Speed	STD	rpm	4,500	
		OPT			
	Power	STD	kw [hp]	26/22 [34.9/29.5]	
		OPT			
	Torque	STD	kgf-m [ft-lbs]	153.4 [1,109.5]	
OPT					
Spindle drive	STD		3 step geared		
	OPT				
FEED	Rapid	X,Y axis	m/min [ipm]	18 [709]	
		Z axis		18 [709]	
	Cutting feed rate			18 [709]	
ATC	Type			twin arm	
	Tool storage capacity	STD	EA	40	
		OPT		80, 120	
	Max. tool diameter		mm [in]	130 [59.5]	
	Max. tool diameter (without adjacent tool)			260 [10.2]	
	Max. tool length			500 [19.7]	
	Max. tool weight		kgf [lbs]	27 [1.1]	
	Tool selection type			Fixed address	
Tool change time	tool to tool chip to chip	sec.	3.5		
			9.5		
APC	Pallet change type			Shuttle	
	Pallet change time		sec.	28.0	
MOTOR	Spindle	Main	kw [hp]	26/22 [34.9/29.5]	
	Feed	X / Y		6/6 [8/8]	
		Z / B		6/1.4 [8/1.9]	
	Coolant				
Coolant through spingle (Option)				30 bar 70 bar	
Rigid tapping				STD	
Electric capacity			kVA	75	
Floor space			mm [in]	5,510 x 3,270 [216.9 x 128.7]	
Slide way				Ball guide	
Machine weight			kgf [lbs]	21,500 [47.399]	
Controller			STD	FANUC 18iMB	
			OPT		

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