

**Hyundai Wia HS4000/i/M  
Vs. Doosan HC 400 II HP 4000 II**

Description / Model	DOOSAN HP 4000 II	DOOSAN HC 400 II	HYUNDAI WIA HS4000/i/M	
No. of Pallet	2	2	2	
Pallet Size	15.7"×15.7"	15.7"×15.7"	15.7"×15.7"	
Pallet Maximum Load Capacity	882 lbs	882 lbs	<b>1102 lbs</b>	<i>Hyundai Wia has higher table load capacity!</i>
Maximum Working Size	Ø23.6" X H31.5"	Ø23.6" X H31.5"	<b>Ø24.4"×H33.1"</b>	<i>Hyundai Wia has larger work size capacity!</i>
Distance from Spindle Nose to Table Center	5.9" ~ 29.5"	5.9" ~ 28.1"	<b>5.9" ~ 31.5"</b>	<i>Hyundai Wia has more spindle/tooling range/reach!</i>
Distance from Spindle Center to Table Top	2.0" ~ 24"	2.0" ~ 24"	2.0" ~ 24.0"	
Spindle Taper	ISO#40	ISO#40	BIG PLUS #40 [HSK-A63]	
Spindle RPM	<b>14000 [20,000]</b>	8000 [12,000]	12,000 [15,000]	
Spindle Motor Output (Max./Cont.)	30 / 25	25 / 15	<b>33.5 / 30</b>	<i>Hyundai Wia has higher horsepower!</i>
Spindle Driving Method	Built-In Motor Spindle	Built-In Motor Spindle	Built-In Motor Spindle	
Travel (X/Y/Z axis)	23.6" x 22" x 23.6"	23.6" x 22" x 22.2"	<b>24.4" x 22" x 25.6"</b>	<i>Hyundai Wia has larger travels!</i>
Axes Servo Motor HP (X/Y/Z/B)	<b>7.0 / 7.0 / 7.0 / 2.7</b>	5.4 / 5.4 / 5.4 / 4.0	<b>5.4~7.4 / 7.4~9.3 / 7.4~9.3 / 4.0~6.0</b>	<i>Hyundai Wia has more axes servo motor HP!</i>
Rapid Traverse Rate in IPM (X/Y/Z)	2362 ipm	1575 ipm	1968 ipm [2362 ipm, 2362 ipm]	
Maximum Cutting Feed Rate IPM	1181 ipm	<b>1575 ipm</b>	<b>1575 ipm</b>	
Slide Type	Cylindrical Roller LMG	Cylindrical Roller LMG	Cylindrical Roller LMG	
Number of Tools	40/60/90/120/ <b>170/262</b>	40/60/80/120/ <b>170/262</b>	40/60/80/120	
Tool Shank	CAT40 / DIN 40 / HSK-A63	CAT40 / DIN 40 / HSK-A63	CAT40 BIG PLUS [HSK-A63]	
Max. Tool Dia. (W.T/W.O)	Ø 2.9" / Ø 5.5"	Ø 2.9" / Ø 5.5"	Ø 2.9" / Ø 5.5"	
Max. Tool Length	13"	11.8"	<b>17.7"</b>	<i>Hyundai Wia can support longer tools!</i>
Max. Tool Weight	<b>22 lbs</b>	<b>22 lbs</b>	17.6 lbs	
Tool Change Time (T-T / C-C)	1.0 sec / 3.6 sec	1.5 sec / 4 sec	<b>1.0 sec / 3.4 [3.3, 2.6 sec]</b>	<i>Hyundia Wia has faster C-C tool change times!</i>
APC Type	Rotary Shuttle	Rotary Shuttle	Rotary Shuttle	
Pallet Change Time	<b>7 sec</b>	8 sec	10/10/7 sec	
Coolant Tank	<b>169 gal</b>	145.3 gal	158.5 gal	
Floor Space (LxW)	<b>182.3 sec x 88.9"</b>	<b>182.3 sec x 88.9"</b>	198.9" x 111"	
Weight	<b>27557.4 lbs</b>	<b>24251 lbs</b>	22,046 lbs	
Source	<a href="http://www.doosanmachinetools.com">http://www.doosanmachinetools.com</a>	<a href="http://www.doosanmachinetools.com">http://www.doosanmachinetools.com</a>	<a href="https://machine.hyundai-wia.com/usa/">https://machine.hyundai-wia.com/usa/</a>	

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