

MODEL	UNIT	HK-856L	HK-866L	HK-876L
Fanuc OiMF PLUS controller				
TABLE				
Table sizes	mm	4000 / 5000 / 6000 / 7000 / 8000 x 500	4000 / 5000 / 6000 / 7000 / 8000 x 600	4000 / 5000 / 6000 / 7000 / 8000 x 700
T-slots (No. x W x Dist.)	mm	5 x 100 x 18	5 x 100 x 18	5 x 125 x 18(22)
Max. table load	kg	1000 kg / m2	1000 kg / m2	1000 kg / m2
TRAVEL				
X-axis travel	mm	4150 / 5150 / 6150 / 7150 / 8150	4150 / 5150 / 6150 / 7150 / 8150	4150 / 5150 / 6150 / 7150 / 8150
Y-axis travel	mm	500	600	700
Z-axis travel	mm	600 (St.), 800 (Opt.)		
Distance from spindle nose to table	mm	180		
SPINDLE				
Spindle nose taper		BBT40 (St.), BBT50 (Opt.), HSK (Opt.)		
Spindle motor	kw	#40: 11/15(St.), 15/18(Opt.), 18.5/22(Opt.) #50:15/18.5(St.), 22/26(Opt.)		
Spindle speed & transmission	rpm	#40: 12000. #50: 8000 (direct drive)		
FEED				
(X/Y/Z) axis servo motors	kw	#40: 4/4/4/4, #50: 4/4/4/7		
Rapid feed rate - X/Y/Z axis	m/min	24(30) / 24 / 24		
3-axis cutting feed rates (X/Y/Z)	mm/min	15000		
Gear rack drive - X axis		X axis travel : 4150~8150 (gear transmission)		
Ballscrews class - Y/Z axis		D40mm driven by ball screw C3 class, D50 (Opt.)		
3-axis roller type linear ways (X/Y/Z)	mm	55 / 45 / 45 (St.), 55 / 55 / 55 (Opt.)		
ATC				
Tool storage capacity		#40 & #50 & HSK63: 32, 40 (Opt.)		
Max. tool length (with adjacent tool)	mm	#40: 250, #50: 300, HSK: 250		
Max. tool length (without adjacent tool)	mm	#40: 120, #50: 200, HSK: 120		
Max. tool weight	kg	#40: 7, #50: 15, HSK: 7		
ACCURACY				
Positioning accuracy	mm	0.016		
Repeatability	mm	0.008		
OTHER				
Power requirement	KVA	4150~6150(40KVA), 7150~8150 (45KVA)		
Air source required	Mpa	0.65		
Coolant tank capacity	L	660~880		
Machine dimensions (footprint size) (W x D)	mm	X axis: 4150mm, 8600 x 4500mm ; X axis: 5150mm, 9600 x 4500mm ; X axis: 6150mm, 10600 x 4500mm ; X axis: 7150mm, 11600 x 4500mm ; X axis: 8150mm, 12600 x 4500mm		
Machine weight	kg	23000 / 25000 / 27000 / 29000 / 31000	24000 / 26000 / 28000 / 30000 / 32000	25000 / 28000 / 31000 / 33000

*As the machine manufacturer constantly conducts machine research and improvements, the machine specifications are subject to change without prior notice.

STANDARD EQUIPMENT

- 32 Tool carousel type tool magazine with fast tool selection
- High efficiency machining mode
- Heidenhain linear scale on X-axis
- Heat exchanger for electric cabinet
- Circular coolant jets system
- AICC (Pre-read single block 200) (Fanuc)
- Oil fluid separator
- LED projection lights at both sides of spindle head
- X-axis is driven by twin motors with rack transmission and German made speed reducer
- Environment-friendly grease lubrication system
- Foundation blocks
- Three-color warning lamp
- Working light

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