



Taper Size	HSK-E40
Speed	30000 rpm
Rotation	Right
Bearings Lubrication	Grease
Vibration Level	ISD 1940 GI
Spindle Weight	27 kg
Spindle Clamping Force	Liquid
Spindle Cooling	

WA1	Spindle cooling in <4 bar	PF1/4-Ø10x7.5mm
WA2	Spindle cooling out	PF1/4-Ø10x7.5mm
AS	Air Seal(Air purge) 1 bar	PT1/8-Ø6mm
CL	Spindle taper cleaning 1 bar	PT1/8-Ø8mm
TD	Tool out(clamping)-Oil in	PT1/8-PF1/4W/60~100 bar.50c.c.
TI	Tool In(clamping)-Air In	PT1/8-Ø8mm,5~8 bar
SNR1	Spindle CLOSED-LDDP Signal connector	17 pin
SNR2	Tool position Signal connector	12 pin
PWR	Electrical connection	

SNR1 17Pin	1 Green	Channel A+	1 Brown	+24V
	2 Yellow	Channel A-	2 Blue	0V
	3 Grey	Index+	3 Black	Tool In
	4		4 Black	Tool out
	5		5 Black	No tool
	6		6 Red	TSI
	7 White	0V	7 White	TSI
	8 Brown	KTY+	8 Red	TSI
	9 White	KTY-	9 White	TSI
	10 Brown	+SV	10	
	11 Blue	+SV	11	
	12 Red	Channel B+	12	
	13 Red	Channel B-		
	14 Pink	Index-		
	15	0V Sense		
	16	+SV Sense		
	17	Shield		

Motor Data		S1-100%		S6-40%	
Voltage(V)	300	400	400	300	400
Current(A)	30	24	23	39	31
Frequency(Hz)	600	820	1000	600	820
Speed(*10rpm)	17.6	24.3	29.6	17.6	24.3
Power(KW)	10	10	10	13	13
Torque(Nm)	5.4	3.9	3.0	7.1	5.1
N of poles	4				

Surface Texture Symbol	Tolerance Zone		Project	Change Content	Date	Name
	Size Range	IT 12 Grade				
▽▽▽▽	0~6	±0.05	△4			
▽▽▽▽	6~30	±0.1	△3			
▽▽▽	30~100	±0.15	△2			
▽▽	100~300	±0.2	△1			
▽	300~1000	±0.3				
~	1000~3000	±0.5				

Surface Texture Symbol	0.01a~0.2a	6~30	±0.1	△4
	0.25a~1.6a	30~100	±0.15	△3
	2.0a~6.3a	100~300	±0.2	△2
	8.0a~25a	300~1000	±0.3	△1
	32a~125a	1000~3000	±0.5	

<p>鈞達精密股份有限公司 Theta Precision Co., Ltd</p>		<p>Drawing Number: A52010000001</p> <p>Image Name: Spindle Confirmation Chart</p> <p>Model: TH-120.0130H4D00G1</p>	<p>Designed: James</p> <p>Checked: Liao</p> <p>Approved: James</p>
Material		Quantity: 1	Date: 18-11-27
Surface Treatment		Unit: mm	Scale: 1:1
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		Projection:	Page: 1 / 1
			Edition: 01