



ATC-Shaft Locked&Temperature Connector					
1	bearing PT100	7	motor PT1000	13	---
2	bearing PT100	8	motor PT1000	14	Clamp without tool
3	---	9	0V	15	Clamp tool
4	10-30VDC	10	10-30VDC	16	Shield
5	Unclamp tool	11	shaft clamping	17	---
6	0V	12	shaft unclamping	---	---

Encoder Connector			
1	B-	7	Shield
2	---	8	B+
3	Z+	9	---
4	Z-	10	0V
5	A+	11	-
6	A-	12	+5V

SPINDLE SPECIFICATION						
Duty type	S1,100%		S3,40%,10min			
Speed	3000	12000	1200	4800	12000	r/min
Frequency	150	600	60	240	600	Hz
Power	40	40	20	60	60	kW
Torque	130	32	160	160	49.5	Nm
Voltage	215	380	95	380	380	V
Current	109	77	132	132	120	A
Motor type	Asynchronous		Encoder z=256, 1Vpp, SIN/COS			
Lubricant	Grease		Rotation Right and left			
Operating position	Horizontal to vertical		Front seal Protecting air flow,1-1.5bar			
ATC cylinder	hydraulic pressure unclamp 80bar,air pressure clamp 5bar					
Tool interface	CAPTO C6,clamping force 39000N OR HSK T63,clamping force 25000N					
Shaft locked cylinder	hydraulic pressure unclamp 35-40bar,air pressure clamp 5bar					
Shaft locking system	Hirth shaft clamping system,max transmissible Torque 500Nm,Tooth number 96					
Central coolant supply	OTT-JARCOB,Rotary Unions,70bar					
Axial Movement Sensor	Digital Eddy-Current-Measuring system SGS 4701.OPTION!					
Vibration sensor	Kistler 8702 B50 MI.OPTION!					
Air quality	Filtration and drying, particle size 5 microns, residual oil content 0.5mg/m <sup>3</sup>					
Spindle Coolant	Water,flow rate 10L/min@25°C					

未注尺寸公差	主轴确认图											
注:孔取(+),轴取(-)	件	号	名	称	数量	材	料	硬	度	备	注	
尺寸/mm												
大于	至	公差										
-	6	±0.05									LYJSD 230XDC12G40/C6	
6	30	±0.10										
30	120	±0.15										
120	250	±0.25										
250	500	±0.35										
500	1000	±0.45										
1000	1600	±0.55									比例	重量
1600	2000	±0.65									1:3	
		更改号	签字	日期	批	准						