

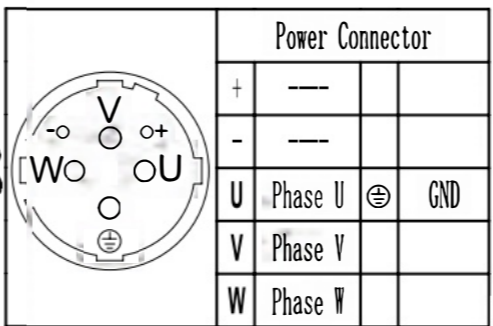
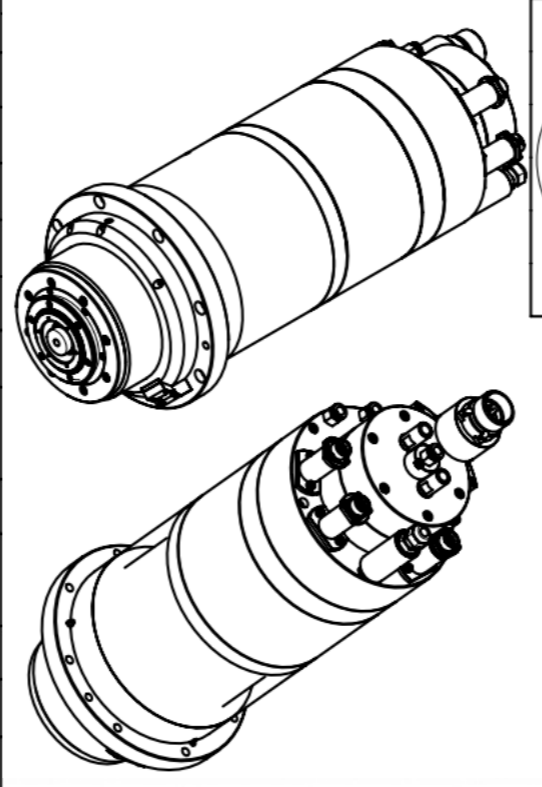
Encoder Connector			
1	B-	7	Shield
2	--	8	B+
3	Z+	9	-
4	Z-	10	0V
5	A+	11	-
6	A-	12	+5V

motor:PT1000		Temperature Connector				
bearing:PT100	1	motor PT1000	7	--	13	Front bearing3
	2	motor PT1000	8	---	14	Front bearing3
	3	Front bearing1	9	rear bearing1	15	rear bearing3
	4	Front bearing1	10	rear bearing1	16	Shield
	5	Front bearing2	11	rear bearing2	17	rear bearing3
	6	Front bearing2	12	rear bearing2		---

ATC Signal Connector					
1	---	7	10-30VDC	13	---
2	---	8	Clamp without tool	14	---
3	---	9	0V	15	---
4	10-30VDC	10	10-30VDC	16	Shield
5	Unclamp tool	11	Clamp tool	17	---
6	0V	12	0V		---

Spindle specification				
Work duty	S1		S6, 40%, 2min	
Speed	3500	15000	2700	15000 r/min
Power	15.5	15.5	15.5	15.5 kW
Torque	42	9.8	54.8	9.8 Nm
Voltage	425		425 V	
Current	42		60 A	
Back EMF	259	1110	200	1110 V(rms)
Motor type	Synchronous		Encoder z=256, m=0.4, 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			
Interface	AG3 DIN69893, CLAMPING FORCE 18000			
Air quality	Filtration and drying, particle size 5 microns, residual oil content 0.5mg/m ³			
Spindle Coolant	Water, flow rate 10L/min@25°C			

Label description			
Label	function	Interface	description
1	Water inlet	G1/4	Straight Adapters for hose 10X8
2	Oil inlet/outlet	G1/4	oil pressure 60-80bar
3	Water outlet	G1/4	Straight Adapters for hose 10X8
4	Temperature connector	M23	17PIN, motor sensor PT1000, bearing sensor
5	Encoder connector	M23	12PIN, SIN/COS Encoder, 1Vpp, z=256
6	Air inlet	G1/8	Clean the cone hole, Straight Adapters for hose 8X5, 5bar
7	Vibration connector		PCB Vibration sensor
8	Air inlet(Clamp Tool)	G1/4	Straight Adapters for hose 8X5, hold pressure when clamping, 5bar
9	ATC Connector	M23	17PIN, for ATC sensor
10	Air inlet(air seal)	G1/8	Straight Adapters for hose 8X5, air seal, 1-1.5bar
11	Power Connector	M40	6PIN, power connector



未注尺寸公差		00	主轴外形					
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						
6	30	±0.10						
30	120	±0.15						
120	250	±0.25						
250	500	±0.35						
500	1000	±0.45						
1000	1600	±0.55						
1600	2000	±0.65						
更改号	签字	日期	批		准			

LYJSD 210XDJ15G15

设计	比例	重量
校对	1:4	135
标准化审核		
工艺会签		
审核		
批准		