

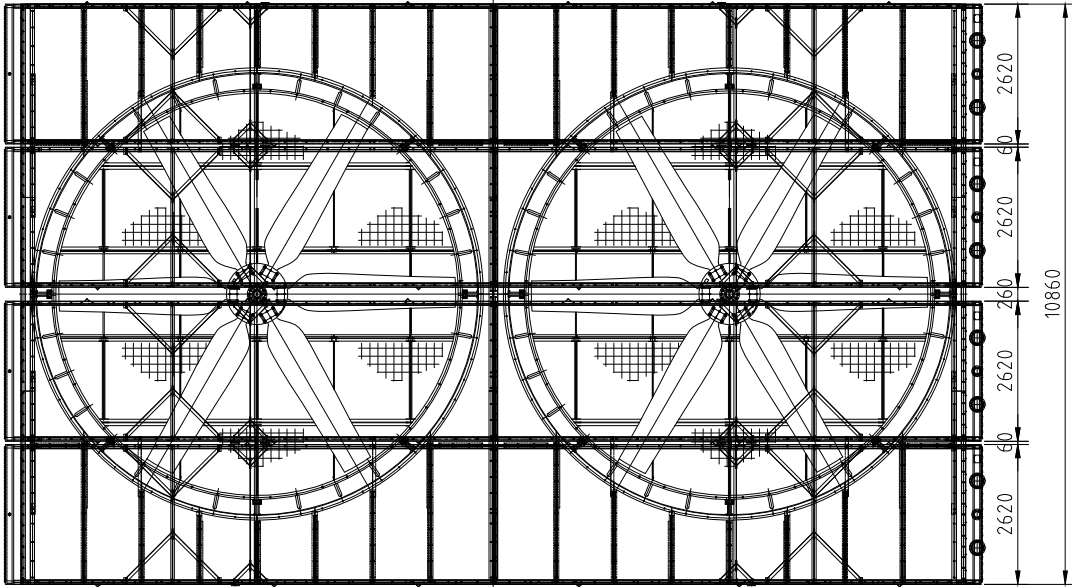
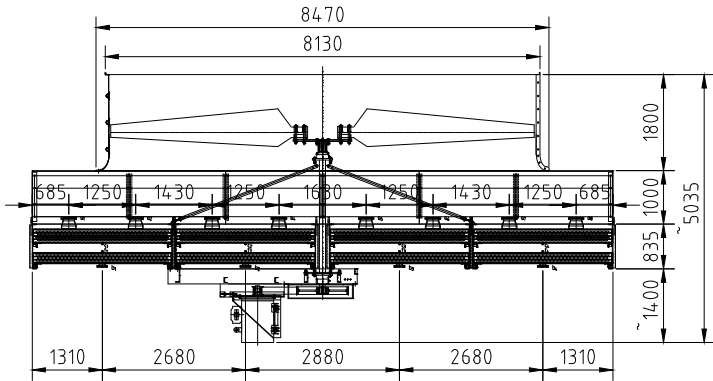
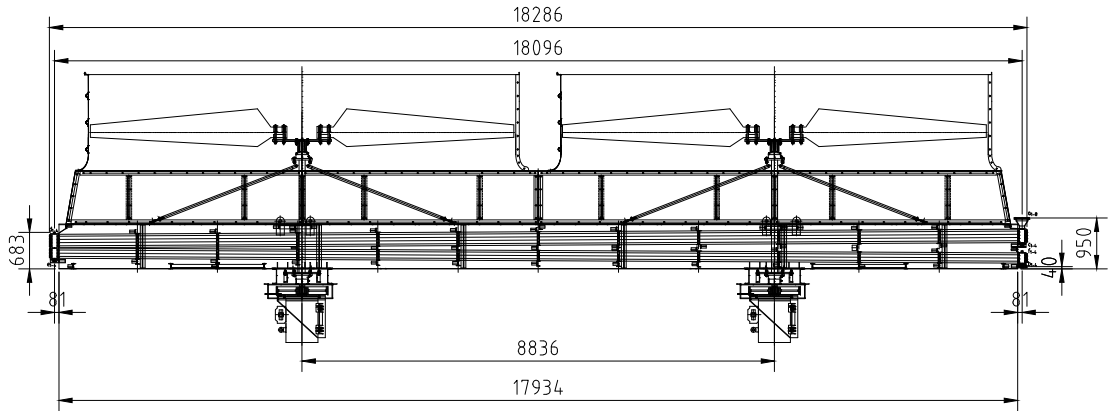
Turawell 1A

Geothermal Power Plant

Air-Cooled Condenser

ZJKS-DAT-031

REVISION HISTORY				
REVISION	DATE	DESCRIPTION	REVISED BY	APPROVED BY
A	10-Oct-2025	Issued for Review	BL	YT



注：1.空冷器电机功率为45kw×2，服务系数1.1。
The power of the air cooler motor is 45kw × 2, Service factor 1.1 .

技术条件及数据 TECHNICAL SPECIFICATION & DATA							
规范CODE: ASME SECT.VIII DIV.1 2023 EDITION							
操作压力 Operating pressure		Bar	2.675	操作温度 Operating temperature		℃	16~48
设计压力 Design pressure		Bar	6.0	容器类别 Vessel Category		IV	
最低/最高设计温度 Mini/Max design temperature		℃	-11/80	认证模式 PED module		G	
腐蚀裕量 Corrosion allowance		mm	1.0	水压试验压力 Hydrostatic test pressure		8.58 Bar at (5~48℃)	
焊接接头系数E Joint efficiency,welding E			0.7	介质名称 Medium name		丁烷 Butane	
全容积 Gross volume		L	12280	液体组别 Fluid Group		1	
设备空重 Empty weight		Kg	81000	焊后热处理 PWHT		不需要 Not required as per Table UCS-56-1	
焊接方法 Welding Process		See Welding map and weld joint list		冲击试验 Impact test		豁免 Exempted as per UCS-66	
无损检测 NONDESTRUCTIVE TESTING		超声射线探伤 Tube to plate welds 其他其他 Other welds		100%PT per APP.8		不要求 NOT REQUIRED	
涂装要求 Painting requirement			见技术协议See Agreement: ZJKSNY/GP09-2020-V02-E				
底部钢印 Code stamping			As per 2014/68/EU & "CE" Mark				
管口表 TABLE OF NOZZLE							
MARK 符号	Class 等级	STANDARD 标准	SIZE 规格	SERVING AS 用途	EXTEND THE LENGTH OF 外伸长度	INTO THE LENGTH OF 内伸长度	
a1-8	/	/	DN200 STD	Medium inlet 介质进口	See drawing	/	
b1-4	/	/	DN100 STD	Medium outlet 介质出口	See drawing	/	
c1-4	/	/	NPT 3/4"-FM	Sewage outlet 排污口	See drawing	/	
d1-4	/	/	NPT 3/4"-FM	Exhaust outlet 排汽口	See drawing	/	
e1-4	/	/	NPT 3/4"-FM	Sewage outlet 排污口	See drawing	/	
f1-4	/	/	NPT 3/4"-FM	Exhaust outlet 排汽口	See drawing	/	

Rev.	Rev.	Comment	Signature	Date
Design	YU Lei	Date	2025/9/26	
Reviewed by	Li Xiang	Date	2025/9/29	
Approved by		Date		

Turawell 1A Power Plant项目会签图

重量Weight(kg)	比例Scale
83155	1:100



风机数据表 FAN DATA SHEET

25-9136B;浙江开山银轮;匈牙利;-

设计参数 DESIGN DATA	公称直径 NOMINAL DIA. /mm	7925
	转速 RPM	100
	叶尖速Tip Speed m/s	41.5
	叶片数量 NUMBER OF BLADES	6
	叶轮轴功率@设计温度 /kW ROTOR SHAFT POWER @ DESIGN TEMP. /kW	37.17
	设计温度 DESIGN TEMP. /°C	40
	流量 AIR QUANTITY m3/s	205.00
	静压 STATIC PRESSURE /Pa	125.00
	声压级SPL ±2dB(A)	75.3
制造方数据 MFR'S DATA	叶轮型号TYPE OF ROTOR	Y-TF79.3B6-C45
	叶片型号/叶片材料BLADE PROFILE	LK/FRP
	静压效率 EFFICIENCY STATIC /%	68.94
	安装角 BLADE PITCH °	6
	转动惯量 MR2 kg·m2	2422.4
	单叶片固有频率BLADE RESONANCE FREQUENCY Hz	1.3
	气动轴向力AXIAL THRUST kg	676.3

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风机性能曲线PERFORMANCE CURVE

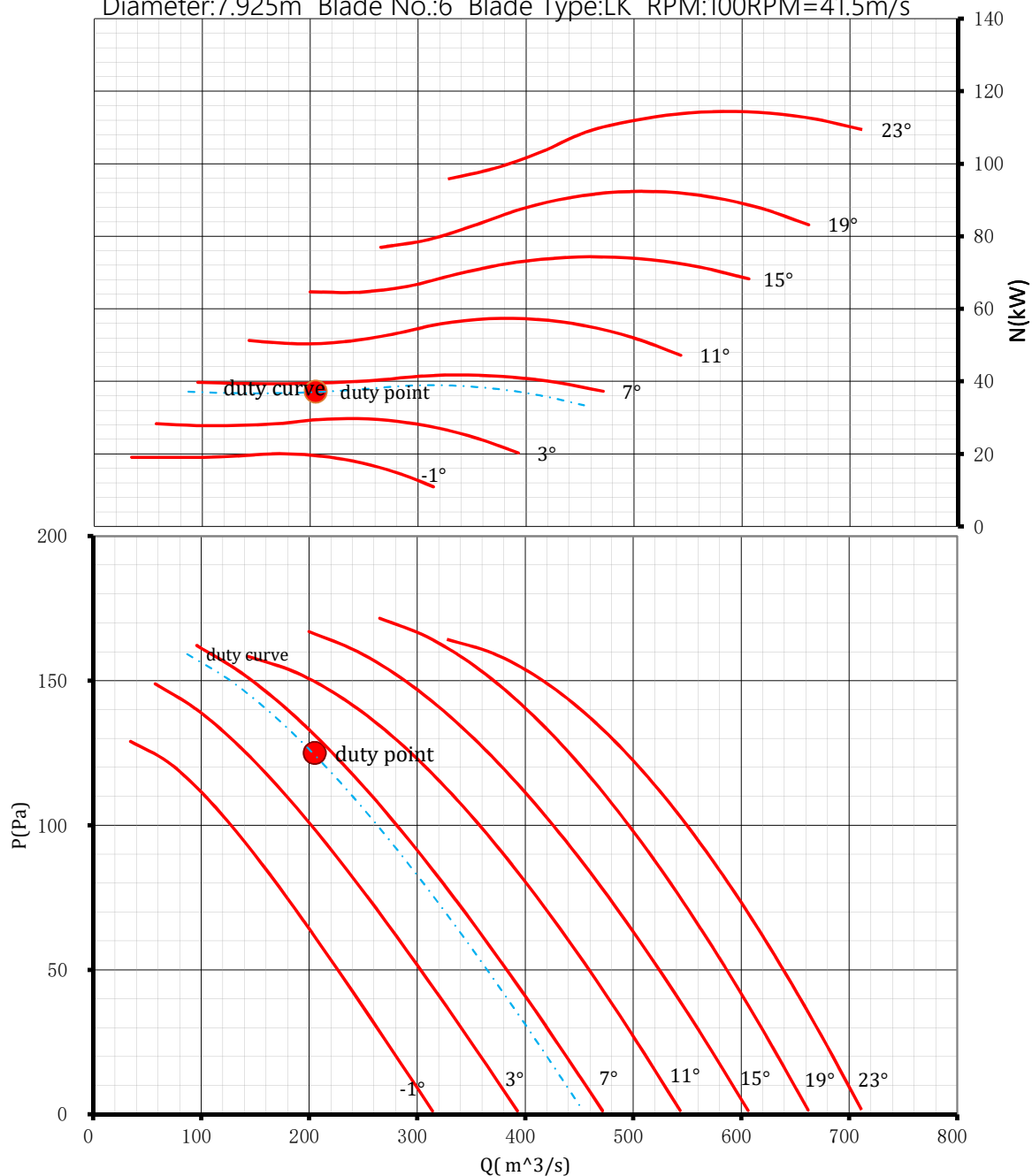
25-9136B;浙江开山银轮;匈牙利;-

静压-流量(P-Q)、轴功率-流量(N-Q)曲线

Static Pressure vs Volume(P-Q) Shaft Power vs Volume(N-Q) Curve

直径:7.925米 叶片数:6 叶型:LK型 转速:100RPM=41.5m/s

Diameter:7.925m Blade No.:6 Blade Type:LK RPM:100RPM=41.5m/s



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风机噪声数据 Fan Noise Data

25-9136B;浙江开山银轮;匈牙利;-

直径:7.925米 叶片数:6 叶型:LK型 转速:100RPM=41.5m/s
Diameter:7.925m Blade No.:6 Blade Type:LK RPM:100RPM=41.5m/s

NOISE DATA

要求 Required
供应 Supplied PWL Complete Equipment
进出口1米 inlet/outlet 1m SPL
侧边1米 side 1m SPL
斜向1米 45° 1m SPL

倍频带中心频率 OCTAVE BAND CENTER FREQUENCY Hz										总体 Overall
31	63	125	250	500	1K	2K	4K	8K	16K	
dB(L)	dB(L)	dB(L)	dB(L)	dB(L)	dB(L)	dB(L)	dB(L)	dB(L)	dB(L)	dB(A)
										±2
100.2	102.1	102.2	98.7	95.1	92.3	84.5	80.3	76.2	73.3	97.2
90.0	90.9	90.0	85.5	80.9	77.1	68.3	63.1	58.0	54.1	83.0
82.3	83.2	82.3	77.8	73.2	69.4	60.6	55.4	50.3	46.4	75.3
84.9	85.8	84.9	80.4	75.8	72.0	63.2	58.0	52.9	49.0	77.9