



- **Maximizing value**
• 物超所值
- **Optimized for 8" solar ingot**
• 为 8 英寸太阳能级硅片优化设计
- **22-inch hot zone capability**
• 22 英寸热场能力



KX120PV OVERVIEW

PERFORMANCE: 性能

Typical Ingot Diameter 单晶直径	155-230 mm (6-9")
Pull Chamber Height 副炉室高度	2785 mm (110")
Throat Diameter 喉管直径	305 mm (12")
Furnace Diameter 炉室直径	940 mm (37")
Seed Lift Rate 籽晶提升速率	0-508 mm/hr
Seed Jog Speed (Nominal) 籽晶快速提升速率(最大值)	400 mm/min
Total Crucible Travel 坩锅最大行程	720 mm (28")
Crucible Lift Rate 坩锅提升速率	0-127 mm/hr
Crucible Jog Speed (Nominal) 坩锅快速提升速率(最大值)	127 mm/min
Seed Rotation (Reversible) 籽晶转速	0-50 rpm
Crucible Rotation (Reversible) 坩锅转速	0-30 rpm
Vacuum Pumps Main 主真空泵 (Min. recommended) Aux 辅助真空泵	8490 l/min (300 cfm) 1400 l/min (50 cfm)

SILICON CHARGE CAPACITY: 硅投料量

Hot zones are available to fit the following crucible sizes. Charges can be enhanced with a feeder.

热场尺寸取决于坩锅直径, 使用二次加料系统将可以提高加料量

Crucible Diameter 坩锅直径	Crucible Height 坩锅高度	Charge Size Cold Pack 坩锅冷套	Enhanced Charge 二次投料系统
22.0 in	17.0 in	120 kg	150 kg
20.0 in	15.0 in	90 kg	115 kg

UTILITY REQUIREMENTS: 工厂动力配置要求

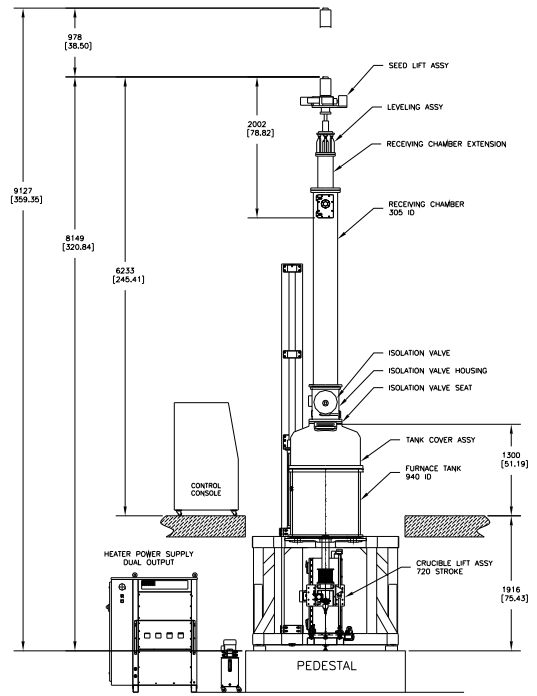
ELECTRICAL: 250 kVA, 380 / 400 / 440 / 460 ±10% VAC 3 Ø
FURNACE 电气配置 50/60 Hz, fused for 500 / 465 / 435 / 400 A

COOLANT WATER: 冷却水
 Maximum Inlet Temperature 最大入口温度 25°C (77°F)
 Minimum Flow Rate 最小流量 260 l/min (68 gpm) total
 Diff. Supply Pressure 入口出口压力差 38 psi (2.7 kg/cm²)

ARGON: 氩气
 Mass Flow Control (Max.) 主氩气流量 100 slpm
 Purge Flow 吹扫流量 75 slpm
 Facility Total 合计 175 slpm
 Recommended Supply Pressure 推荐压力 5.2 bar (75 psi)
AIR: 压缩空气
 Recommended Supply Pressure 推荐压力 6.2 bar (90 psi)

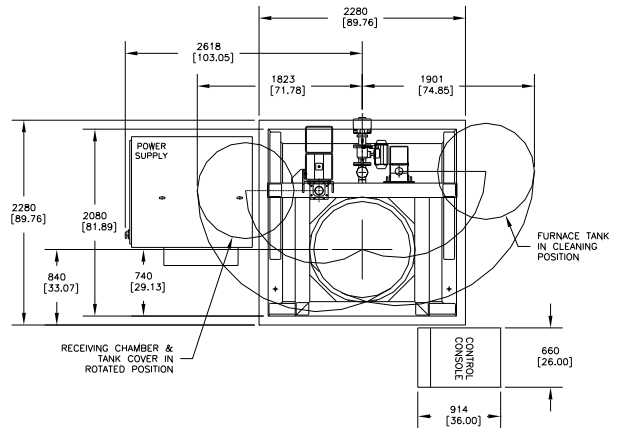
DIMENSIONS:

	Furnace Overall 主体	Control Console 电控柜	Power Supply 电源
HEIGHT 高	8.15m (321 in)	1.60 m (63 in)	1.63 m (64 in)
WIDTH 宽	2.28 m (90 in)	0.66 m (26 in)	1.33 m (53 in)
DEPTH 深	2.28 m (90 in)	0.91 m (36 in)	1.23 m (49 in)
WEIGHT 重量	7,530 kg	(16,600 lb)	



SIDE VIEW

侧视图



PLAN VIEW – CHAMBERS OPEN

俯视图(炉门开启状态)



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