



KX240

CRYSTAL GROWING FURNACE



Flexible Configuration Options

Optimized for 8"-10" Ingot Growth

Advanced Control System

Low Power Consumption
with optional Hot Zone

Integrated Communications
with Optional WINGS system

Linton Crystal Technologies

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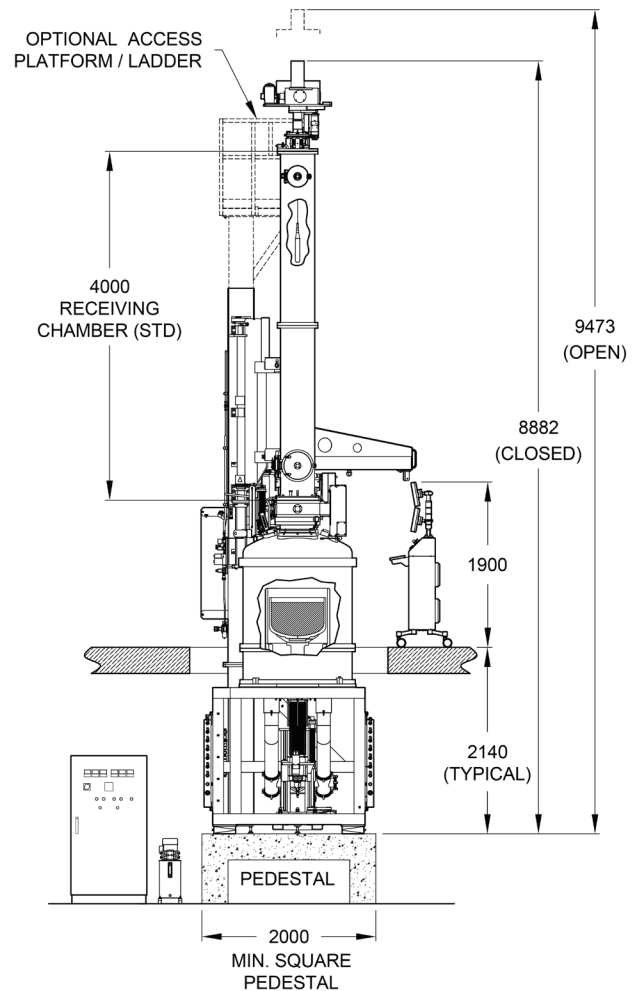
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Performance	
Furnace Chamber Diameter	1100 mm (43.3 in) – Standard 1200 mm (47.2 in) – Optional
Receiving Chamber Height	4000 mm (157.5 in) – Standard 3500 mm (137.8 in) – Optional 3000 mm (118.1 in) – Optional
Throat Diameter	350 mm (13.8 in) – Standard 400 mm (15.7 in) – Optional
Seed Lift Rate	0-508 mm/hr
Seed Jog Speed (Nominal)	400 mm/min
Seed Rotation (Reversible)	0-30 rpm
Total Crucible Travel	650 mm (25.6 in)
Crucible Lift Rate	0-127 mm/hr
Crucible Jog Speed (Nominal)	127 mm/min
Crucible Rotation (Reversible)	0-20 rpm

Utility Requirements	
Water	
Maximum Inlet	25°C (77°F)
Diff. Supply Pressure	2.5 kg/cm ² (35 psi)
Argon	
Mass Flow Control (max.)	200 slpm
Purge Flow	75 slpm
Supply Pressure	5.2-10.4 bar (75-150 psi)
Air	
Supply Pressure	4.8-8.3 bar (70-120 psi)
3 Phase Electrical Power	
Volts	380/400/440/460
Hz	50/60
Single Phase Electrical Power	
Volts	220/230
Hz	50/60

Silicon Charge Capacity		
*Hot Zones available to fit following crucible size. Note: Charges enhanced with Xtramel™ Feeder		
Crucible Diameter*	Crucible Height*	Nominal Charge Size
24.0 in	343 mm (13.5 in)	220 kg
26.0 in	496 mm (19.5 in)	330 kg



Dimensions shown are typical and can be customized to meet customer requirements

Options & Accessories	
Feeders	Vacuum Pumps
Hot Zones	Ingot and Crucible Handling
Filters	Maintenance Tools

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