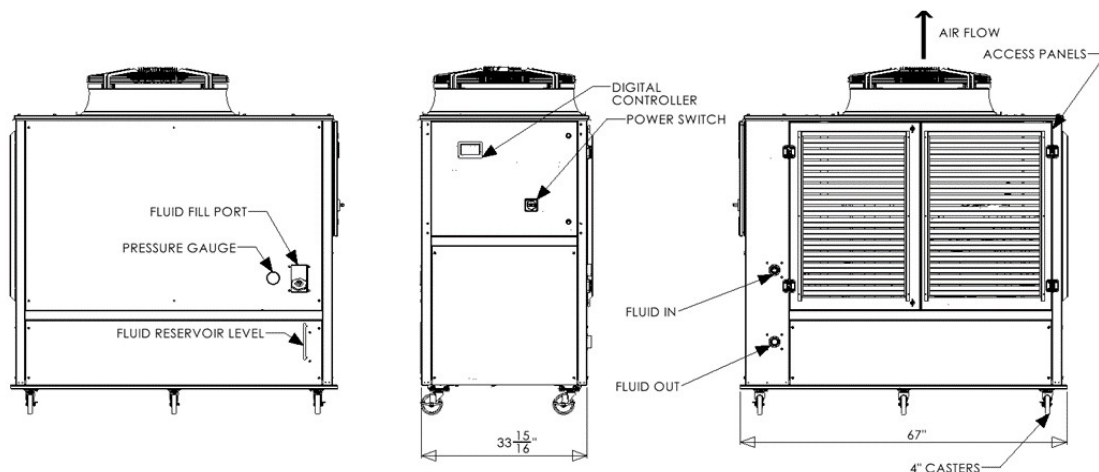




# K2L10-LT

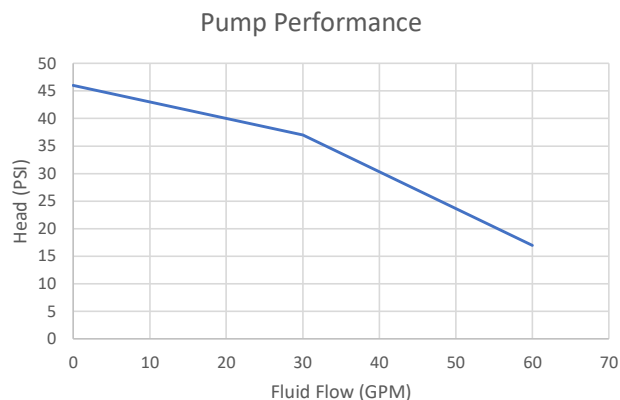
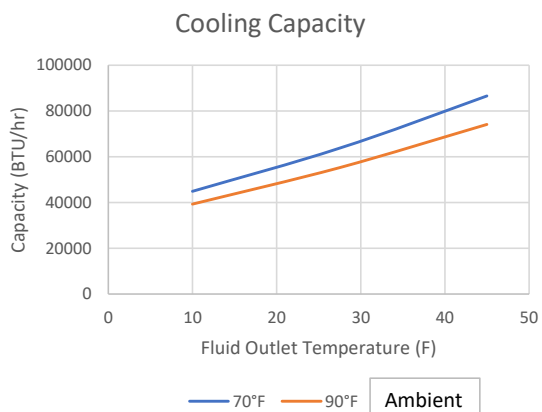
## 10 Ton K2L Deep Freeze Air Cooled Freeze Chiller

### Dimensional Drawings



| LENGTH | WIDTH | HEIGHT | WEIGHT   | TANK CAPACITY       | FLUID CONNECTIONS |
|--------|-------|--------|----------|---------------------|-------------------|
| 35.5"  | 67"   | 74.5"  | 1800 lbs | 50 Gallon Poly Tank | 1-1/4" Female NPT |

### Chiller Performance



#### North Slope Chillers

1949 South 4250 West

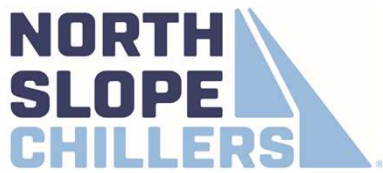
Salt Lake City, UT 84104

(866) 826-2993

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# K2L10-LT

| Standard Features and Benefits |                                  |                                                                                                                                                                  |                                   |
|--------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| Performance                    | Working Temperature Range        | 10°F(-12°C) to 45°F(7°C)                                                                                                                                         |                                   |
|                                | Temperature Stability            | ±2                                                                                                                                                               |                                   |
|                                | Cooling Capacity @ 70°F          | 70°F Ambient<br>10°F (-12.2°C) - 44,900 BTU/hr (13,160 Watts)<br>27.5°F (-2.5°C) - 63,700 BTU/hr (18,670 Watts)                                                  |                                   |
|                                | Ambient Temperature (Standard)   | 40°F - 100°F                                                                                                                                                     |                                   |
|                                | Pump Performance                 | 0 GPM @ 46 PSI<br>30 GPM @ 37 PSI<br>60 GPM @ 17 PSI                                                                                                             |                                   |
| User Interface                 | Controls                         | Electronic Programmable HMI/PLC Controller with Integrated Modbus TCP Communication and System Monitoring/Control Interface                                      |                                   |
|                                | Additional Features              | Fluid Level Indicator, Pump Pressure Gauge                                                                                                                       |                                   |
| Refrigeration Circuit          | Compressor Type                  | Copeland Scroll                                                                                                                                                  |                                   |
|                                | Compressor Speed                 | Fixed Speed or Variable                                                                                                                                          |                                   |
|                                | Setup                            | Single Circuit                                                                                                                                                   |                                   |
|                                | Heat Exchanger                   | Braze Plate Heat Exchanger                                                                                                                                       |                                   |
|                                | Refrigerant                      | R454a                                                                                                                                                            |                                   |
|                                | Additional Features              | Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, High and Low Pressure Controls, Thermostatic Expansion Valve (TXV), A2L Leak Detection |                                   |
|                                | Max Heat Rejection               | 165,869 BTU/hr (48.6 kW)                                                                                                                                         |                                   |
| Process Fluid Circuit          | Pump                             | Continuous Duty, 2 HP Centrifugal Pump                                                                                                                           |                                   |
|                                | Inlet/Outlet                     | 1-1/4" Female NPT                                                                                                                                                |                                   |
|                                | Reservoir                        | 50 Gallon Poly Tank                                                                                                                                              |                                   |
|                                | Additional Features              | Inline Strainer, Process Fluid Temperature Sensor, Pump Discharge Pressure Gauge, Internal                                                                       |                                   |
| Construction                   | Frame                            | Galvanized Steel                                                                                                                                                 |                                   |
|                                | Enclosure                        | Powder Coated Steel Enclosure with Easy Access Panels                                                                                                            |                                   |
| Quality                        | Warranty                         | 1-Year Warranty: Parts & Labor (U.S.), Parts-Only (International)                                                                                                |                                   |
|                                | UL/CSA Certified (Full Assembly) | ETL Listed, UL STD 60335-1 & 60335-2-89, CAN/CSA STD C22.2 No. 60335-1 & No. 60335-2-89                                                                          |                                   |
|                                | Manufacturing                    | Manufactured in the U.S.A.                                                                                                                                       |                                   |
| Power                          | Available Voltages               | Max Amps (FLA)                                                                                                                                                   | Recommended Breaker/Service (MCA) |
|                                | 480VAC / 3P / 60Hz (STANDARD)    | 28.1 Amps (std)                                                                                                                                                  | 32.9 Amps (std)                   |
|                                | 208-240VAC / 3P / 60Hz           | 49.1 Amps                                                                                                                                                        | 58.4 Amps                         |
|                                | 575VAC / 3P / 60Hz               | 23.4 Amps                                                                                                                                                        | 27.4 Amps                         |

All specifications, dimensions, and performance data are subject to change without notice as part of our ongoing product improvement and regulatory compliance efforts.

| Optional Upgrades                                                               |                                      |                             |                                  |
|---------------------------------------------------------------------------------|--------------------------------------|-----------------------------|----------------------------------|
| UPGRADES                                                                        | Extended Temps down to -22°F (-30°C) | Process heater              | Alternate process fluids         |
|                                                                                 | Digital Compressor Modulation        | Pass-Through                | Multiple sensors                 |
|                                                                                 | Water Cooled                         | Multiple inlet/outlet ports | Remote Start/Stop                |
|                                                                                 | Upgraded Pumps                       | Anti-Backflow               | Extended Ambient (Down to -20°F) |
| More Options and Customization Available - Contact Factory for More Information |                                      |                             |                                  |

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