

XSeries

ALPINE CHILLERS



Heavy duty low temperature extraction chiller

Ultra low temperature control with a SINGLE chiller

Rated for 12 kW at -60°C

Air-cooled outdoor unit

3-Stage cascade refrigeration with dual compressors and liquid subcooling

Energy efficient variable speed drive compressor motors for capacity control

Electronic expansion valves and fan cycling condenser for high performance in the most demanding conditions



STANDARD FEATURES

| | |
|-----------------------|---------------------------------------|
| Setpoint range | -40°C to -80°C |
| Temperature stability | ± 1.0°C |
| Certification | UL 508A Industrial control panel |
| Control system | PLC |
| Operator interface | 7" color touch-screen graphic display |
| Temperature sensor | Internal Pt100 RTD |
| Condenser | Air-cooled, with 2 fans |
| Evaporators | brazed plate heat exchangers |
| Compressors | Semi-hermetic reciprocating type |
| Refrigerants | R-404A/R-507 and R-23 |
| Recirculating fluid | Syltherm XLT or equivalent |
| Fluid reservoir | 25 gallon vented expansion tank |
| Recirculation pump | Stainless steel mag-drive gear pump |
| Pump flow rate | 10.5 GPM at 40 PSI max pressure |
| System warranty | 12 Months, parts plus labor |



COOLING CAPACITIES

| Temperature | -40°C | -60°C | -80°C |
|----------------|-------|-------|-------|
| kW (Model X8) | 10 | 8 | 2.5 |
| kW (Model X12) | 15 | 12 | 4 |

ELECTRIC POWER SUPPLY

60 Amps, 480V, 3-Phase, 60 Hz

PIPING CONNECTIONS

1" NPT Supply and return

UNIT FOOTPRINT

Length x Width x Height 180" x 48" x 96"

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(423) 529-6925
www.alpinechillers.com
sales@alpinechillers.com
Dayton, Tennessee