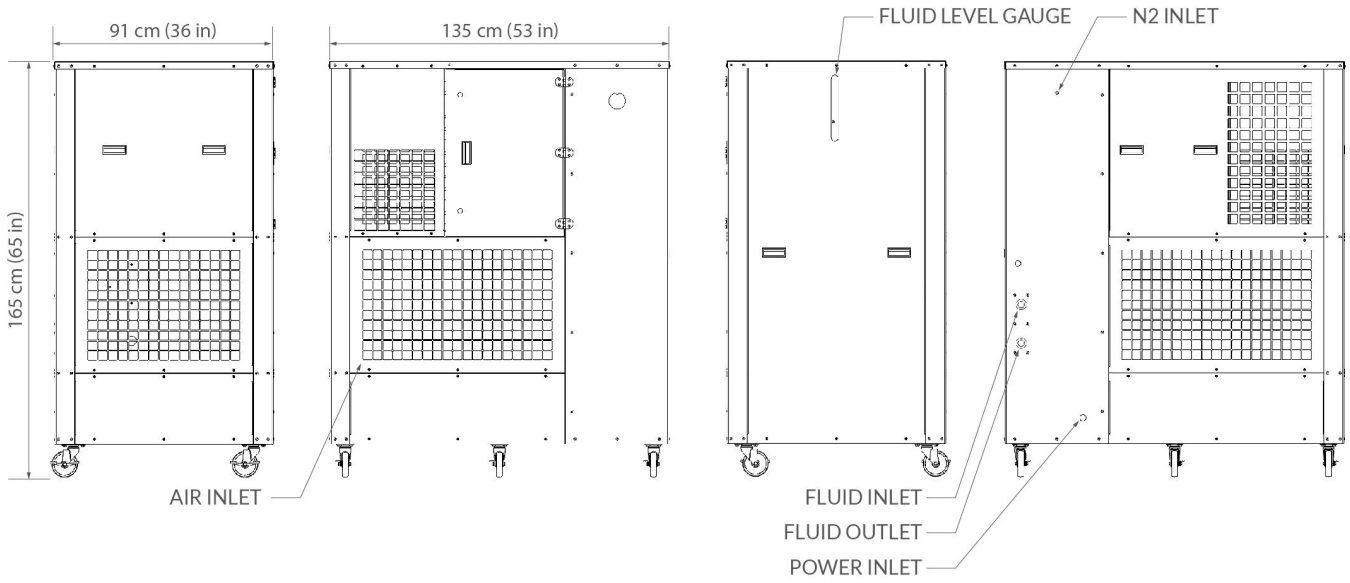
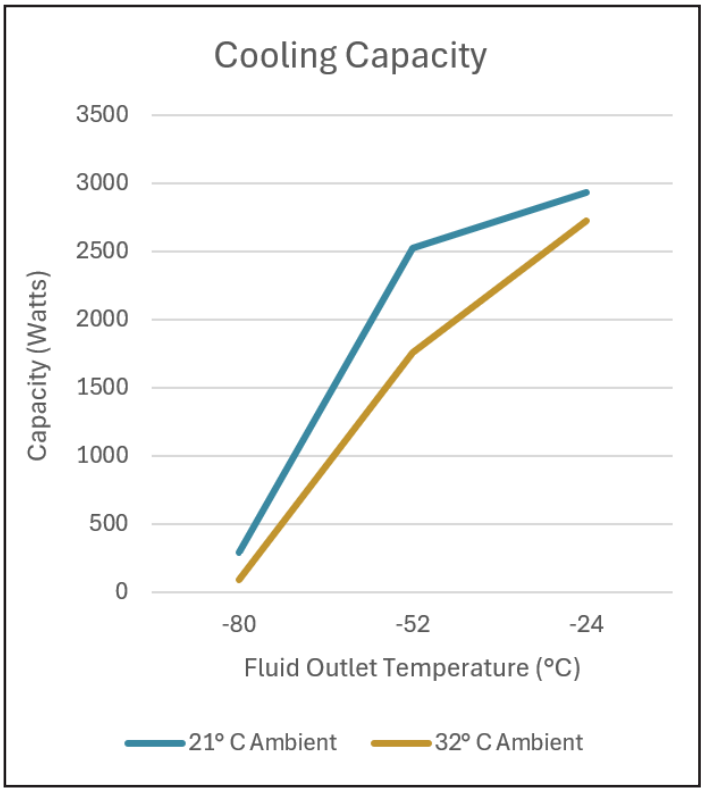
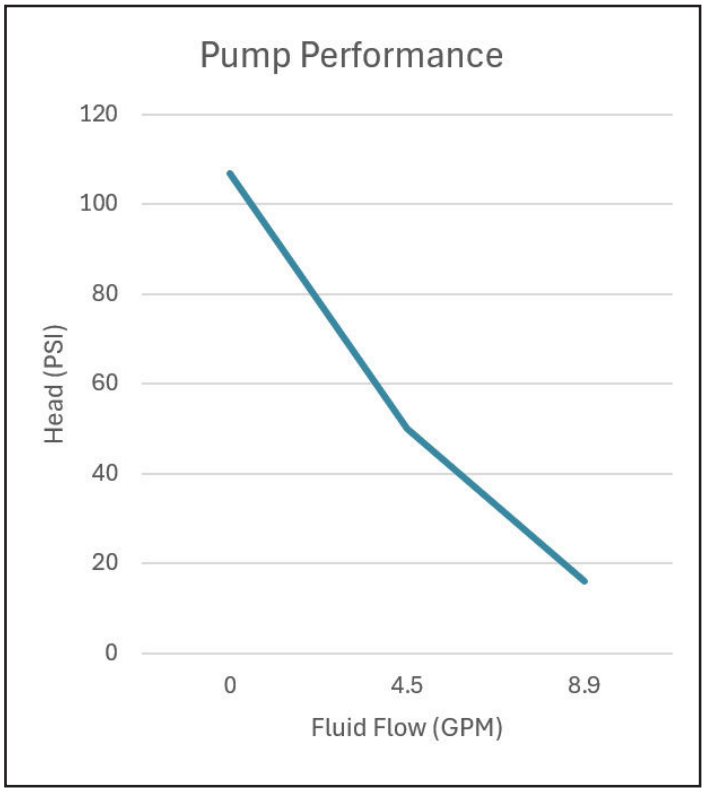
ASCENT CHILLERS

1000 SERIES ULTRA-LOW TEMP CHILLERS



LENGTH	WIDTH	HEIGHT	WEIGHT	TANK CAPACITY	FLUID CONNECTIONS
91 cm (36 in)	135 cm (53 in)	165 cm (65 in)	522 kg (1150 lbs)	19 L (5 gal)	3/4" NPT





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AC1000-ULTH | 1000 SERIES ASCENT CHILLER SPECIFICATIONS		
DIMENSIONS	WEIGHT	522kg (1150 lbs)
	DIMENSIONS (L x W x H)	91 x 135 x 165 cm (36 x 53 x 65 in)
PERFORMANCE	WORKING TEMPERATURE RANGE	-70° C to 150° C (-94° F to 302° F)
	TEMPERATURE STABILITY	±2° C
	COOLING CAPACITY @ 21° C	-70° C (-94° F) - 1,500 W (5,118 BTU/hr) -60° C (-76° F) - 2,900 W (9,895 BTU/hr) -40° C (-40° F) - 3,200 W (10,918 BTU/hr) 0° C (32° F) - 3,200 W (10,918 BTU/hr)
	HEATER CAPACITY	3,500 W (11,942 BTU/hr)
	PUMP PERFORMANCE	4.5 GPM @ 50 PSI
USER INTERFACE	CONTROLS	Electronic Programmed Temperature Controller with Constant (Set Point & Process)
	ADDITIONAL FEATURES	Fluid Level Indicator
REFRIGERATION CIRCUIT	COMPRESSOR	Copeland Scroll
	HEAT EXCHANGER	Stainless Steel Brazed Plate Heat Exchangers
	REFRIGERANT	R404a/R508b
	ADDITIONAL FEATURES	Access Ports, Service Valves, Filter Drier, Sight Glass, Liquid Receiver, Thermostatic Expansion
	MAX HEAT REJECTION	9,200 W (31,450 btu/hr)
PROCESS FLUID CIRCUIT	PUMP	Continuous Duty, 0.75 kW Vortex Pump
	INLET/OUTLET	3/4" NPT
	RESERVOIR	19 L (5 gal) Stainless Steel
	ADDITIONAL FEATURES	Inline Strainer, Inlet and Outlet Temperature Sensors, Pump Discharge Pressure Transducer, N2 Blanket for Moisture Prevention
CONSTRUCTION	FRAME	Galvanized Steel
	ENCLOSURE	Powder Coated Steel Enclosure with Easy Access Panels
QUALITY	WARRANTY	1 Year Standard Warranty
	MANUFACTURING	Manufactured in the U.S.A.
POWER	AVAILABLE VOLTAGES	208-240VAC / 3P / 60Hz | 208-240VAC / 1P / 60Hz 480VAC / 3P / 60Hz 50Hz and other voltages available on request
	MAX AMPS (FLA)	25 Amps
	RECOMMENDED BREAKER/SERVICE (MCA)	30 Amps

Heat Transfer Fluid Options (Sold Separately): NOVEC 7500, Syltherm, Paratherm LR, Paratherm CR, Fragoltherm, and more.

OPTIONAL UPGRADES

• Process Heating • External temperature monitoring • Alternate pumps	• Controller • Water Cooling • External Recirculation Tanks and Pumps	More Options and Customization Available - Contact LACO for more information