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Product Type	Base Model	Chiller Fluid Temp Range	Ambient Temp Range	Cooling Capacity	Pump	Inlet/Outlet	Compressor	Refrigerant	Reservoir Capacity	Dimensions	Weight (Approx)	Available Voltages	Max Amps	Recommended Breaker/Service
FROST	NSC0330-FROST	25°F(-4°C) to 65°F(18°C)	35°F - 100°F	90°F Ambient 25°F (-3.9°C) - 500 BTU/hr (150 Watts) 45°F (7.2°C) - 2,300 BTU/hr (670 Watts) 65°F (18.3°C) - 4,000 BTU/hr (1,170 Watts)	60 Watt Centrifugal Pump	5/8" BARBED	Danfoss Reciprocating	R134a	2.5 Gallon Poly Tank	18" x 16 1/4" x 20 1/2"	112 lbs	120VAC / 1P / 60Hz (std)	9.4 Amps (std)	15 Amps (std)
FREEZE	NSC0500	40°F(4.5°C) to 75°F(24°C)	40°F - 100°F	70°F Ambient 40°F (4.4°C) - 3,000 BTU/hr (880 Watts) 57.5°F (14.2°C) - 5,800 BTU/hr (1,700 Watts) 75°F (23.9°C) - 7,200 BTU/hr (2,110 Watts)	1/3 HP Fixed Displacement Pump With Bypass	1/2" NPT	Copeland Reciprocating	R134a	4 Gallon Poly Tank	24 3/8" x 22 5/8" x 32 1/2"	220 lbs	120VAC / 1P / 60Hz (std) 208-240VAC / 1P / 60Hz	15.1 Amps (std) 9.2 Amps	18 Amps (std) 15 Amps
	NSC1000	40°F(4.5°C) to 75°F(24°C)	40°F - 100°F	70°F Ambient 40°F (4.4°C) - 6,500 BTU/hr (1,900 Watts) 57.5°F (14.2°C) - 11,800 BTU/hr (3,460 Watts) 75°F (23.9°C) - 14,700 BTU/hr (4,310 Watts)	1/3 HP Fixed Displacement Pump With Bypass	1/2" NPT	Copeland Scroll	R134a	15 Gallon Poly Tank	34 1/2" x 28 1/2" x 39"	360 lbs	208-240VAC / 1P / 60Hz (std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	15.4 Amps (std) 14 Amps 6 Amps	19.4 Amps (std) 20 Amps 15 Amps
	NSC2000	40°F(4.5°C) to 75°F(24°C)	40°F - 100°F	70°F Ambient 40°F (4.4°C) - 15,100 BTU/hr (4,430 Watts) 57.5°F (14.2°C) - 23,100 BTU/hr (6,770 Watts) 75°F (23.9°C) - 33,700 BTU/hr (9,880 Watts)	3/4 HP Centrifugal Pump	3/4" NPT	Copeland Scroll	R134a	15 Gallon Poly Tank	34 1/2" x 43 1/2" x 40"	550 lbs	208-240VAC / 1P / 60Hz (std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	28.7 Amps (std) 20 Amps 9.3 Amps	36.7 Amps (std) 25 Amps 12 Amps
	NSC5000	40°F(4.5°C) to 65°F(18°C)	40°F - 100°F	70°F Ambient 40°F (4.4°C) - 38,200 BTU/hr (11,200 Watts) 52.5°F (11.4°C) - 46,500 BTU/hr (13,630 Watts) 65°F (18.3°C) - 56,000 BTU/hr (16,410 Watts)	2 HP Centrifugal Pump	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	34" x 65" x 62"	1000 lbs	480VAC / 3P / 60Hz (std) 208-240VAC / 3P / 60Hz 208-240VAC / 1P / 60Hz	12.4 Amps (std) 29.3 Amps 48 Amps	16.6 Amps (std) 35 Amps 56 Amps
	NSC10000	40°F(4.5°C) to 65°F(18°C)	40°F - 100°F	70°F Ambient 40°F (4.4°C) - 77,200 BTU/hr (22,630 Watts) 52.5°F (11.4°C) - 93,800 BTU/hr (27,490 Watts) 65°F (18.3°C) - 112,700 BTU/hr (33,030 Watts)	2 HP Centrifugal Pump	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	34" x 65" x 62"	1000 lbs	480VAC / 3P / 60Hz (std)	22.8 Amps (std)	31.6 Amps (std)
DEEP FREEZE	NSC0500-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 2,500 BTU/hr (730 Watts) 27.5°F (-2.5°C) - 3,700 BTU/hr (1,080 Watts) 45°F (7.2°C) - 5,000 BTU/hr (1,470 Watts)	1/3 HP Fixed Displacement Pump With Bypass	1/2" NPT	Copeland Reciprocating	R404a	4 Gallon Poly Tank	24 3/8" x 22 5/8" x 32 1/2"	220 lbs	120VAC / 1P / 60Hz (std)	16.1 Amps (std)	19.3 Amps (std)
	NSC1000-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 5,700 BTU/hr (1,670 Watts) 27.5°F (-2.5°C) - 8,000 BTU/hr (2,340 Watts) 45°F (7.2°C) - 10,600 BTU/hr (3,110 Watts)	1/3 HP Fixed Displacement Pump With Bypass	1/2" NPT	Copeland Scroll	R404a	15 Gallon Poly Tank	34 1/2" x 28 1/2" x 39"	360 lbs	208-240VAC / 1P / 60Hz (std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	15.4 Amps (std) 14 Amps 6 Amps	19.4 Amps (std) 20 Amps 15 Amps
	NSC2000-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 12,200 BTU/hr (3,580 Watts) 27.5°F (-2.5°C) - 17,300 BTU/hr (5,070 Watts) 45°F (7.2°C) - 23,300 BTU/hr (6,830 Watts)	3/4 HP Centrifugal Pump	3/4" NPT	Copeland Scroll	R404a	15 Gallon Poly Tank	34 1/2" x 43 1/2" x 40"	550 lbs	208-240VAC / 1P / 60Hz (std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	28.7 Amps (std) 20 Amps 9.3 Amps	36.7 Amps (std) 25 Amps 12 Amps
	NSC5000-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 38,200 BTU/hr (11,200 Watts) 27.5°F (-2.5°C) - 46,500 BTU/hr (13,630 Watts) 45°F (7.2°C) - 56,000 BTU/hr (16,410 Watts)	2 HP Centrifugal Pump	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	34" x 65" x 62"	1000 lbs	480VAC / 3P / 60Hz (std) 208-240VAC / 3P / 60Hz 208-240VAC / 1P / 60Hz	12.4 Amps (std) 29.3 Amps 48 Amps	16.6 Amps (std) 35 Amps 56 Amps
	NSC10000-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 43,600 BTU/hr (12,780 Watts) 27.5°F (-2.5°C) - 61,900 BTU/hr (18,140 Watts) 45°F (7.2°C) - 84,000 BTU/hr (24,620 Watts)	2 HP Centrifugal Pump	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	34" x 65" x 62"	1000 lbs	480VAC / 3P / 60Hz (std)	22.8 Amps (std)	31.6 Amps (std)
SUPER LOW TEMP	NSC4000-SLT	-58°F(-50°C) to 0°F(-18°C)	20°F - 100°F	70°F Ambient -58°F (-50°C) - 7,800 BTU/hr (2,290 Watts) -19°F (-28.3°C) - 32,100 BTU/hr (9,410 Watts) 20°F (-6.7°C) - 81,900 BTU/hr (24,000 Watts)	2.2kW Vortex Pump	3/4" NPT	Bitzer 2 Stage Reciprocating	R404a	15 Gallon Stainless Steel	65" x 34" x 66"	1000 lbs	480VAC / 3P / 60Hz (std)	33 Amps (std)	38.5 Amps (std)
	NSC6000-SLT	-58°F(-50°C) to 0°F(-18°C)	20°F - 100°F	70°F Ambient -58°F (-50°C) - 13,900 BTU/hr (4,070 Watts) -26.5°F (-32.5°C) - 50,700 BTU/hr (14,860 Watts) 5°F (-15°C) - 110,400 BTU/hr (32,360 Watts)	3.75kW Vortex Pump	1-1/2" NPT	Bitzer 2 Stage Reciprocating	R404a	15 Gallon Stainless Steel	49 3/4" x 69 3/8" x 75 5/8"	1250 lbs	480VAC / 3P / 60Hz (std)	46 Amps (std)	53.1 Amps (std)
ULTRA LOW TEMP	NSC0500-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -94°F (-70°C) - 1,900 BTU/hr (560 Watts) -85°F (-65°C) - 2,600 BTU/hr (760 Watts)	0.75kW Vortex Pump	1/2" NPT	Copeland Scroll	R404a/R508b	5 Gallon Stainless Steel	36" x 34" x 66"	1100 lbs	208-240VAC / 3P / 60Hz (std) 208-240VAC / 1P / 60Hz 480VAC / 3P / 60Hz	16 Amps (std)	20 Amps (std)
	NSC1000-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -112°F (-80°C) - 1,000 BTU/hr (290 Watts) -94°F (-70°C) - 4,400 BTU/hr (1,290 Watts) -76°F (-60°C) - 7,100 BTU/hr (2,080 Watts)	0.75kW Vortex Pump	1/2" NPT	Copeland Scroll	R404a/R508b	5 Gallon Stainless Steel	36 1/4" x 52 7/8" x 65 1/8"	1150 lbs	208-240VAC / 3P / 60Hz (std) 480VAC / 3P / 60Hz	25 Amps (std)	30 Amps (std)
	NSC2000-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -112°F (-80°C) - 5,100 BTU/hr (1,490 Watts) -76°F (-60°C) - 19,000 BTU/hr (5,570 Watts) -40°F (-40°C) - 27,800 BTU/hr (8,150 Watts)	2.2kW Vortex Pump	3/4" NPT	Copeland Scroll	R404a/R508b	10 Gallon Stainless Steel	70 3/8" x 35 7/8" x 75 3/8"	1350 lbs	480VAC / 3P / 60Hz (std) 208-240VAC / 3P / 60Hz	20 Amps (std) 55 Amps	30 Amps (std) 65 Amps
	NSC3500-ULT	-112°F(-80°C) to 70°F(21°C)	20°F - 110°F	70°F Ambient -112°F (-80°C) - 8,800 BTU/hr (2,580 Watts) -76°F (-60°C) - 33,300 BTU/hr (9,760 Watts) -40°F (-40°C) - 48,600 BTU/hr (14,240 Watts)	2.2kW Vortex Pump	1" NPT	Copeland Discus	R404a/R508b	15 Gallon Stainless Steel	49 3/4" x 69 3/8" x 75 5/8"	1500 lbs	480VAC / 3P / 60Hz (std)	35 Amps (std)	52.5 Amps (std)
	NSC5000-ULT	-112°F(-80°C) to 70°F(21°C)	20°F - 110°F	70°F Ambient -112°F (-80°C) - 18,900 BTU/hr (5,540 Watts) -76°F (-60°C) - 49,800 BTU/hr (14,590 Watts) -40°F (-40°C) - 65,800 BTU/hr (19,280 Watts)	5 HP Centrifugal Pump	1-1/4" NPT	Copeland Discus	R508B	20 Gallon Stainless Steel	84" x 36" x 72"	1965 lbs	480VAC / 3P / 60Hz (std)	26.7 Amps (std)	31.4 Amps (std)
	NSC5000-ECU	N/A	20°F - 110°F				5/8" AND 1-3/8"	Copeland Discus	R404A	N/A	48 1/4" x 68 5/16" x 36 3/8"	1080 lbs	480VAC / 3P / 60Hz (std)	27.3 Amps (std)



UL/CSA CUSTOM OPTIONS AVAILABLE

*Chiller Fluid Temperatures as Low as -112°F (-80°C) Up to 10 Tons Cooling Capacity

*Heater Fluid Temperatures as Hot as 302°F (150°C) Up to 60 kW Heating Capacity

*Outdoor Ratings

*Extended Ambient

*Single or Multiple Fluid Circuits



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