



AG-Optimists, LLC

3130 South 1030 West, Suite 1

Salt Lake City, UT 84119

(801) 244-9769



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	AG0330	15°F(-9°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)	Continuous Duty	60 Watt Centrifugal Pump	0 GPM @ 17 PSI 3.3 GPM @ 13 PSI 6.6 GPM @ 5 PSI	5/8" BARBED	Danfoss Reciprocating	R134a	2.5 Gallon Poly Tank	19 1/4" x 16 1/4" x 22 7/16"	112 lbs	120VAC / 1P / 60Hz (std) 208-240VAC / 1P / 60Hz	9.4 Amps (std) 15 Amps (std)
FREEZE	AG0500	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)	Continuous Duty	1/3 HP Fixed Displacement Pump With Bypass	0 GPM @ 50 PSI 2 GPM @ 25 PSI 4 GPM @ 0 PSI	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) 18 Amps (std) 15 Amps
	AG1000	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)	Continuous Duty	1/3 HP Fixed Displacement Pump With Bypass	0 GPM @ 50 PSI 2 GPM @ 25 PSI 4 GPM @ 0 PSI	1/2" NPT	Copeland Scroll	R134a	15 Gallon Poly Tank	30 15/16" x 28 5/8" x 39 5/16"	360 lbs	208-240VAC / 1P / 60Hz (std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	15.4 Amps (std) 20 Amps (std) 15 Amps
	AG2000	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)	Continuous Duty	3/4 HP Centrifugal Pump	0 GPM @ 32 PSI 22.5 GPM @ 24 PSI 45 GPM @ 7 PSI	3/4" NPT	Copeland Scroll	R134a	15 Gallon Poly Tank	30 15/16" x 43 5/8" x 40 5/16"	550 lbs	208-240VAC / 1P / 60Hz (std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	28.7 Amps (std) 20 Amps (std) 12 Amps
	AG5000	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)	Continuous Duty	2 HP Centrifugal Pump	0 GPM @ 46 PSI 30 GPM @ 37 PSI 60 GPM @ 17 PSI	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	36 1/2" x 67" x 62 5/16"	1000 lbs	480VAC / 3P / 60Hz (std) 208-240VAC / 3P / 60Hz 208-240VAC / 1P / 60Hz	12.4 Amps (std) 29.3 Amps (std) 48 Amps
AG10000	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)	Continuous Duty	2 HP Centrifugal Pump	0 GPM @ 46 PSI 30 GPM @ 37 PSI 60 GPM @ 17 PSI	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	36 1/2" x 67" x 62 5/16"	1000 lbs	480VAC / 3P / 60Hz (std) 208-240VAC / 3P / 60Hz	27.1 Amps (std) 57 Amps	
DEEP FREEZE	AG0500-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) 31.1°F (-0.5°C) - 3,900 BTU/hr (1,140 Watts) 45°F (7.2°C) - 5,000 BTU/hr (1,470 Watts)	Continuous Duty	1/3 HP Fixed Displacement Pump With Bypass	0 GPM @ 50 PSI 2 GPM @ 25 PSI 4 GPM @ 0 PSI	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)
	AG1000-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) 31.1°F (-0.5°C) - 8,500 BTU/hr (2,490 Watts) 45°F (7.2°C) - 10,600 BTU/hr (3,110 Watts)	Continuous Duty	1/3 HP Fixed Displacement Pump With Bypass	0 GPM @ 50 PSI 2 GPM @ 25 PSI 4 GPM @ 0 PSI	1/2" NPT	Copeland Scroll	R404a	15 Gallon Poly Tank	30 15/16" x 28 5/8" x 39 5/16"	360 lbs	208-240VAC / 1P / 60Hz (std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	15.4 Amps (std) 20 Amps (std) 15 Amps
	AG2000-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) 31.1°F (-0.5°C) - 18,400 BTU/hr (5,390 Watts) 45°F (7.2°C) - 23,300 BTU/hr (6,830 Watts)	Continuous Duty	3/4 HP Centrifugal Pump	0 GPM @ 32 PSI 22.5 GPM @ 24 PSI 45 GPM @ 7 PSI	3/4" NPT	Copeland Scroll	R404a	15 Gallon Poly Tank	30 15/16" x 43 5/8" x 40 5/16"	550 lbs	208-240VAC / 1P / 60Hz (std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	28.7 Amps (std) 20 Amps (std) 12 Amps
	AG5000-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 21,800 BTU/hr (6,390 Watts) 31.1°F (-0.5°C) - 32,300 BTU/hr (9,510 Watts) 45°F (7.2°C) - 41,600 BTU/hr (12,190 Watts)	Continuous Duty	2 HP Centrifugal Pump	0 GPM @ 46 PSI 30 GPM @ 37 PSI 60 GPM @ 17 PSI	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	36 1/2" x 67" x 62 5/16"	1000 lbs	480VAC / 3P / 60Hz (std) 208-240VAC / 3P / 60Hz 208-240VAC / 1P / 60Hz	12.4 Amps (std) 29.3 Amps (std) 48 Amps
	AG10000-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) 31.1°F (-0.5°C) - 66,100 BTU/hr (19,370 Watts) 45°F (7.2°C) - 84,000 BTU/hr (24,620 Watts)	Continuous Duty	2 HP Centrifugal Pump	0 GPM @ 46 PSI 30 GPM @ 37 PSI 60 GPM @ 17 PSI	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	36 1/2" x 67" x 62 5/16"	1000 lbs	480VAC / 3P / 60Hz (std) 208-240VAC / 3P / 60Hz	27.1 Amps (std) 57 Amps
	AG15000-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 65,400 BTU/hr (19,170 Watts) 31.1°F (-0.5°C) - 99,200 BTU/hr (29,070 Watts) 60°F (15.6°C) - 159,000 BTU/hr (46,600 Watts)	Continuous Duty	2 HP Centrifugal Pump	0 GPM @ 46 PSI 30 GPM @ 37 PSI 60 GPM @ 17 PSI	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	48" x 89" x 88"	1900 lbs	480VAC / 3P / 60Hz (std)	38.4 Amps (std) 49.3 Amps (std)
	AG20000-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 87,200 BTU/hr (25,560 Watts) 31.1°F (-0.5°C) - 132,200 BTU/hr (38,740 Watts) 45°F (7.2°C) - 168,000 BTU/hr (49,240 Watts)	Continuous Duty	5 HP Centrifugal Pump	0 GPM @ 61 PSI 10 GPM @ 58 PSI 60 GPM @ 50 PSI	2" NPT	Copeland Scroll	R448a	50 Gallon Poly Tank	48" x 89" x 88"	2000 lbs	480VAC / 3P / 60Hz (std)	54 Amps (std) 67 Amps (std)
	AG30000-LT	10°F(-12°C) to 45°F(7°C)	40°F - 100°F	70°F Ambient 10°F (-12.2°C) - 130,800 BTU/hr (38,330 Watts) 31.1°F (-0.5°C) - 198,400 BTU/hr (58,150 Watts) 45°F (7.2°C) - 252,000 BTU/hr (73,850 Watts)	Continuous Duty	2 HP Centrifugal Pump	0 GPM @ 46 PSI 30 GPM @ 37 PSI 60 GPM @ 17 PSI	1-1/4" NPT	Copeland Scroll	R404a	50 Gallon Poly Tank	36 1/2" x 67" x 62 5/16"	1000 lbs	480VAC / 3P / 60Hz (std)	68.4 Amps (std) 85.5 Amps (std)
EXTRA LOW TEMP	AG2000-ELT	-22°F(-30°C) to 14°F(-10°C)	40°F - 100°F	70°F Ambient -22°F (-30°C) - 9,764 BTU/hr (2,860 Watts) -4°F (-20°C) - 13,126 BTU/hr (3,850 Watts) 14°F (-10°C) - 16,749 BTU/hr (4,910 Watts)	Continuous Duty	3/4 HP Centrifugal Pump	0 GPM @ 32 PSI 22.5 GPM @ 24 PSI 45 GPM @ 7 PSI	3/4" NPT	Copeland Scroll	R448a	15 Gallon Stainless Steel	30 15/16" x 43 5/8" x 40 5/16"	650 lbs	(std) 208-240VAC / 3P / 60Hz 480VAC / 3P / 60Hz	23.8 Amps (std) 33 Amps (std) 16 Amps
	AG4000-SLT	-58°F(-50°C) to 10°F(-12°C)	20°F - 100°F	70°F Ambient -58°F (-50°C) - 7,800 BTU/hr (2,290 Watts) -43.6°F (-42°C) - 13,800 BTU/hr (4,040 Watts) 31.1°F (-0.5°C) - 190,700 BTU/hr (55,510 Watts)	Continuous Duty	2.2kW Vortex Pump	0 GPM @ 121 PSI 33.7 GPM @ 61 PSI 27.3 GPM @ 13 PSI	3/4" NPT	Bitzer 2 Stage Reciprocating	R404a	15 Gallon Stainless Steel	36 3/4" x 67 3/4" x 66 1/8"	1000 lbs	480VAC / 3P / 60Hz (std)	33 Amps (std) 38.5 Amps (std)
SUPER LOW TEMP	AG5000-SLT	-58°F(-50°C) to 10°F(-12°C)	20°F - 100°F	70°F Ambient -58°F (-50°C) - 15,500 BTU/hr (4,540 Watts) -43.6°F (-42°C) - 29,500 BTU/hr (8,650 Watts) 31.1°F (-0.5°C) - 479,000 BTU/hr (140,460 Watts)	Continuous Duty	3.75kW Vortex Pump	0 GPM @ 122 PSI 17.9 GPM @ 99 PSI 35.7 GPM @ 31 PSI	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)
	AG10000-SLT	-58°F(-50°C) to 10°F(-12°C)	20°F - 100°F	70°F Ambient -58°F (-50°C) - 31,100 BTU/hr (9,110 Watts) -43.6°F (-42°C) - 58,900 BTU/hr (17,260 Watts) 31.1°F (-0.5°C) - 358,000 BTU/hr (104,920 Watts)	Continuous Duty	7.5kW Vortex Pump	0 GPM @ 122 PSI 35.7 GPM @ 99 PSI 71.3 GPM @ 25 PSI	1-1/2" NPT	Bitzer 2 Stage Reciprocating	R404a	30 Gallon Stainless Steel	49 3/4" x 69 3/8" x 75 5/8"	2500 lbs	480VAC / 3P / 60Hz (std)	92 Amps (std) 106.2 Amps (std)
	AG15000-SLT	-58°F(-50°C) to 10°F(-12°C)	20°F - 100°F	70°F Ambient -58°F (-50°C) - 46,600 BTU/hr (13,660 Watts) -43.6°F (-42°C) - 88,400 BTU/hr (25,910 Watts) 31.1°F (-0.5°C) - 536,000 BTU/hr (157,350 Watts)	Continuous Duty	3.75kW Vortex Pump	0 GPM @ 122 PSI 17.9 GPM @ 99 PSI 35.7 GPM @ 31 PSI	2" NPT	Bitzer 2 Stage Reciprocating	R404a	50 Gallon Stainless Steel	49 3/4" x 69 3/8" x 75 5/8"	3750 lbs	480VAC / 3P / 60Hz (std)	138 Amps (std) 159.3 Amps (std)
	AG20000-SLT	-58°F(-50°C) to 10°F(-12°C)	20°F - 100°F	70°F Ambient -58°F (-50°C) - 62,100 BTU/hr (18,200 Watts) -43.6°F (-42°C) - 117,900 BTU/hr (34,550 Watts) 31.1°F (-0.5°C) - 715,900 BTU/hr (209,810 Watts)	Continuous Duty	3.75kW Vortex Pump	0 GPM @ 122 PSI 17.9 GPM @ 99 PSI 35.7 GPM @ 31 PSI	2" NPT	Bitzer 2 Stage Reciprocating	R404a	50 Gallon Stainless Steel	49 3/4" x 69 3/8" x 75 5/8"	5000 lbs	480VAC / 3P / 60Hz (std)	184 Amps (std) 212.43 Amps (std)
ULTRA LOW TEMP	AG0500-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) -65°F (-53.9°C) - 3,900 BTU/hr (1,140 Watts) -40°F (-40°C) - 4,800 BTU/hr (1,410 Watts)	Continuous Duty	0.75kW Vortex Pump	0 GPM @ 107 PSI 4.5 GPM @ 50 PSI 8.9 GPM @ 16 PSI	1/2" NPT	Copeland Scroll	R404a/R508b	5 Gallon Stainless Steel	30 15/16" x 35 15/16" x 77 9/16"	1100 lbs	208-240VAC / 3P / 60Hz (std) 208-240VAC / 1P / 60Hz 480VAC / 3P / 60Hz	16 Amps (std) 20 Amps (std)
	AG1000-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -94°F (-70°C) - 4,400 BTU/hr (1,290 Watts) -65°F (-53.9°C) - 8,900 BTU/hr (2,600 Watts) -40°F (-40°C) - 10,000 BTU/hr (2,930 Watts)	Continuous Duty	0.75kW Vortex Pump	0 GPM @ 107 PSI 4.5 GPM @ 50 PSI 8.9 GPM @ 16 PSI	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)
	AG2000-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -94°F (-70°C) - 12,700 BTU/hr (3,730 Watts) -65°F (-53.9°C) - 22,300 BTU/hr (6,540 Watts) -40°F (-40°C) - 27,800 BTU/hr (8,150 Watts)	Continuous Duty	2.2kW Vortex Pump	0 GPM @ 117 PSI 7 GPM @ 65 PSI 14 GPM @ 14 PSI	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) 30 Amps (std) 65 Amps
	AG5000-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -94°F (-70°C) - 36,200 BTU/hr (10,610 Watts) -80°F (-62.2°C) - 47,100 BTU/hr (13,800 Watts) -40°F (-40°C) - 65,800 BTU/hr (19,280 Watts)	Continuous Duty	5 HP Centrifugal Pump	0 GPM @ 44 PSI 45 GPM @ 41 PSI 90 GPM @ 28 PSI	1-1/2" NPT	Copeland Discus	R508b	24 Gallon Stainless Steel	38.9" x 84.35" x 74 3/4"	1965 lbs	480VAC / 3P / 60Hz (std)	26.7 Amps (std) 31.4 Amps (std)
	AG5000-ECU	N/A	20°F - 100°F				5/8" AND 1-3/8" (OD)		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) 34.2 Amps (std)
	AG10000-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -94°F (-70°C) - 72,400 BTU/hr (21,220 Watts) -55°F (-48.3°C) - 121,900 BTU/hr (35,730 Watts) -40°F (-40°C) - 131,700 BTU/hr (38,600 Watts)	Continuous Duty	10 HP Centrifugal Pump	0 GPM @ 44 PSI 90 GPM @ 41 PSI 180 GPM @ 28 PSI	1-1/2" NPT	Copeland Discus	R508b	50 Gallon Stainless Steel	38.9" x 84.35" x 74 3/4"	3930 lbs	480VAC / 3P / 60Hz (std)	53.4 Amps (std) 62.8 Amps (std)
	AG10000-ECU	N/A	20°F - 100°F				5/8" AND 1-3/8" (OD)		Copeland Discus	R404a	N/A	48 1/4" x 68 5/16" x 36 3/8"	2160 lbs	480VAC / 3P / 60Hz (std)	54.6 Amps (std) 68.4 Amps (std)
	AG15000-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -94°F (-70°C) - 108,600 BTU/hr (31,830 Watts) -55°F (-48.3°C) - 182,900 BTU/hr (53,600 Watts) -40°F (-40°C) - 197,500 BTU/hr (57,880 Watts)	Continuous Duty	15 HP Centrifugal Pump	0 GPM @ 44 PSI 135 GPM @ 40 PSI 270 GPM @ 26 PSI	2" NPT	Copeland Discus	R508b	80 Gallon Stainless Steel	38.9" x 84.35" x 74 3/4"	5895 lbs	480VAC / 3P / 60Hz (std)	80.1 Amps (std) 94.2 Amps (std)
AG15000-ECU	N/A	20°F - 100°F				5/8" AND 1-3/8" (OD)		Copeland Discus	R404a	N/A	48 1/4" x 68 5/16" x 36 3/8"	3240 lbs	480VAC / 3P / 60Hz (std)	81.9 Amps (std) 102.6 Amps (std)	
AG20000-ULT	-112°F(-80°C) to 70°F(21°C)	40°F - 100°F	70°F Ambient -94°F (-70°C) - 144,800 BTU/hr (42,440 Watts) -55°F (-48.3°C) - 243,900 BTU/hr (71,480 Watts) -40°F (-40°C) - 263,300 BTU/hr (77,170 Watts)	Continuous Duty	20 HP Centrifugal Pump	0 GPM @ 44 PSI 180 GPM @ 39 PSI 360 GPM @ 22 PSI	2" NPT	Copeland Discus	R508b	120 Gallon Stainless Steel	38.9" x 84.35" x 74 3/4"	7860 lbs	480VAC / 3P / 60Hz (std)	106.8 Amps (std) 125.6 Amps (std)	
AG20000-ECU	N/A	20°F - 100°F				5/8" AND 1-3/8" (OD)		Copeland Discus	R404a	N/A	48 1/4" x 68 5/16" x 36 3/8"	4320 lbs	480VAC / 3P / 60Hz (std)	109.2 Amps (std) 136.8 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

www.ag-optimists.com (801) 244-9769 3130 South 1030 West, Suite 1, Salt Lake City, UT 84119