

The Alpha Series Compact Chiller Module is the largest selling chiller in the megayacht industry today. Over the last decade more Alpha's have been installed in yachts than all other brands combined. Since its introduction in 1993 it has constantly evolved. Alpha's shipped today feature 308 stainless steel chassis' and fasteners, scroll compressors and TITANIUM inner tube condensers all finished with Awlgrip® coatings. What has not changed is the compactness and unrivaled reliability. In recent comparisons to other brands, the Alpha was on an average 22% lighter and 38% smaller in volume. This means major weight and space savings when the units are racked. Alpha's are built in capacities from 24,000 to 72,000 BTU/H (19-60,000 BTU/H 50 Hz) and all share the same chassis dimensions. Should a vessels BTU requirements exceed 72,000 BTU/H, multiple chillers can be racked together for a larger total capacity.



Features

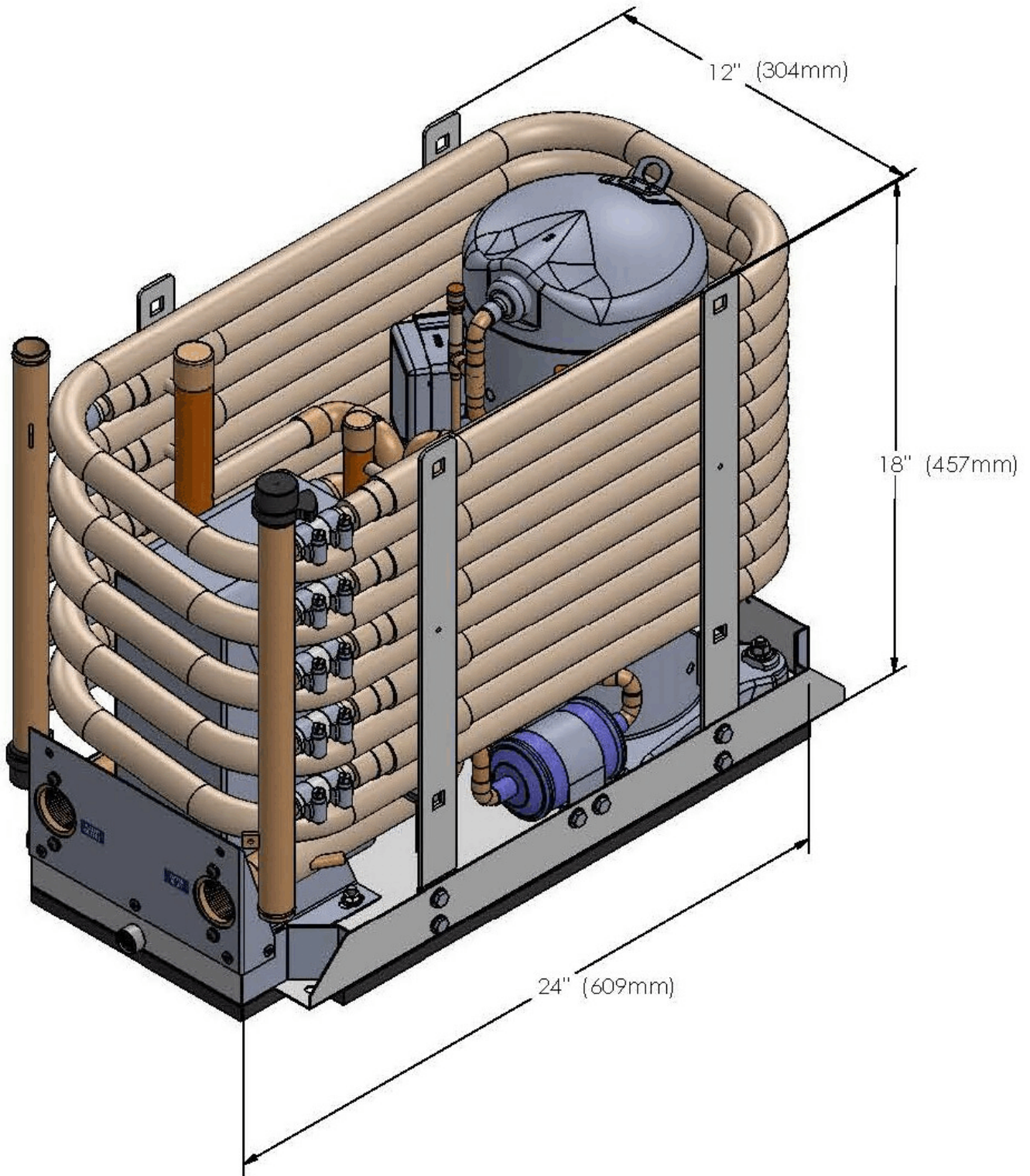
- ▶ Copeland Scroll compressors
- ▶ Stainless Steel chassis and fasteners
- ▶ Awlgrip® Matterhorn White finish
- ▶ Available in either Reverse Cycle or Cooling Only units
- ▶ Access ports for high and low refrigerant pressure
- ▶ High and low automatic reset refrigerant pressure switches
- ▶ Titanium inner tube seawater condensers
- ▶ Stainless steel plate chiller
- ▶ Electrical box can be remote mounted
- ▶ Honeywell digital temperature controller with integral time delay
- ▶ Freeze prevention thermostat
- ▶ 3 phase units can be used with Variable Frequency Drives (VFD's)
- ▶ All units performance tested before shipping
- ▶ R-407C environmentally friendly refrigerant

AT	5	H	G	D	Model Number Nomenclature	
					C	208-230 / 1 / 60
					CK	200-220 / 1 / 50
					D	208-230 / 3 / 60
					DK	200-220 / 3 / 50
					E	440-480 / 3 / 60
					EK	380-415 / 3 / 50
					G	R-407C Refrigerant
					BLANK	COOLING ONLY
					H	REVERSE CYCLE
					CAPACITY, IN TONS, AT RATED VOLTAGE	
					ALPHA SERIES TITANIUM MODULAR CHILLER SERIES	

Physical Specifications										
MODEL	CAPACITY BTU/HR	AVAILABLE VOLTAGES	WEIGHT		CHILLWATER INLET / OUTLET	MINIMUM CHILLWATER FLOW		SEAWATER INLET / OUTLET	MINIMUM SEAWATER FLOW	
			LBS	KGS		GPM	LPM		GPM	LPM
AT1.7*	19,920	200-220 / 1 / 50	140	64	½" FPT	4.0	15.3	5/8" OD	6.8	25.9
AT2*	24,000	208-230 / 1 / 60 208-230 / 3 / 60 460 / 3 / 60 380-415 / 3 / 50	140	64	½" FPT	4.8	18.3	5/8" OD	8.0	31.0
AT2.5*	30,000	200-220 / 1 / 50 208-230 / 1 / 60 208-230 / 3 / 60 460 / 3 / 60 380-415 / 3 / 50	157	71	¾" FPT	6.0	22.9	1" OD	10.0	38.1
AT3*	36,000	208-230 / 1 / 60 208-230 / 3 / 60 460 / 3 / 60 380-415 / 3 / 50	157	71	¾" FPT	7.2	27.4	1" OD	12.0	45.8
AT3.3*	40,000	200-220 / 1 / 50	161	73	1" FPT	7.9	30.1	1" OD	13.2	50.3
AT4*	48,000	208-230 / 1 / 60 208-230 / 3 / 60 460 / 3 / 60 380-415 / 3 / 50	161	73	1" FPT	9.6	36.5	1" OD	16.0	61.0
AT5*	60,000	208-230 / 1 / 60 208-230 / 3 / 60 460 / 3 / 60 380-415 / 3 / 50	161	73	1-1/4" FPT	12.0	45.6	1" OD	20.0	76.3
AT6*	72,000	208-230 / 3 / 60 460 / 3 / 60	165	85	1-1/4" FPT	14.4	54.5	1" OD	24.0	90.8

* See Model Number Nomenclature chart above for additional letter codes

Performance Specifications									
MODEL	CAPACITY			POWER SUPPLY			FULL LOAD AMPS FLA	POWER INPUT W	LOCKED ROTOR AMPS LRA
	BTU/HR	KCAL/HR	TONS	VOLTAGE	PHASE	Hz			
AT1.7(H)GCK	19,920	4,980	1.7	200-220	1	50	6.3	1158	47
AT2(H)GC	24,000	6,000	2.0	208-230	1	60	6.7	1550	56
AT2(H)GD	24,000	6,000	2.0	208-230	3	60	5.9	1630	45
	19,920	4,980	1.7	200-220	3	50	6.1	1380	48
AT2(H)GE	24,000	6,000	2.0	460	3	60	1.4	1690	23
	19,920	4,980	1.7	380-415	3	50	3.0	1460	24
AT2.5(H)GC	30,000	7,500	2.5	208-230	1	60	7.3	1590	87
AT2.5(H)GCK	30,000	7,500	2.5	200-220	1	50	8.9	1989	87
AT2.5(H)GD	30,000	7,500	2.5	208-230	3	60	6.7	2025	73
AT2.5(H)GE	30,000	7,500	2.5	460	3	60	3.4	2025	38
AT2.5(H)GEK	30,000	7,500	2.5	380-415	3	50	4	2137	40
AT3(H)GC	36,000	9,000	3.0	208-230	1	60	11.8	2550	88
AT3(H)GD	36,000	9,000	3.0	208-230	3	60	8.1	2460	77
	30,000	7,500	2.5	200-220	3	50	7.1	2100	76
AT3(H)GE	36,000	9,000	3.0	460	3	60	4.5	2700	39
	30,000	7,500	2.5	380-415	3	50	4.5	2260	38
AT3(H)GEK	36,000	9,000	3.0	380-415	3	50	4.6	2450	44
AT3.3(H)GCK	40,000	10,000	3.3	200-220	1	50	11.9	2536	107
AT4(H)GC	48,000	12,000	4.0	208-230	1	60	16.2	3410	129
AT4(H)GCK	48,000	12,000	4.0	200-220	1	50	16.6	3430	140
AT4(H)GD	48,000	12,000	4.0	208-230	3	60	11	3350	120
	40,000	10,000	3.3	200-220	3	50	9.5	2830	88
AT4(H)GE	48,000	12,000	4.0	460	3	60	5.3	3320	60
	40,000	10,000	3.3	380-415	3	50	5.5	2830	44
AT4(H)GEK	48,000	12,000	4.0	380-415	3	50	5.7	3005	58
AT5(H)GC	60,000	15,000	5.0	208-230	1	60	19.8	4230	169
AT5(H)GD	60,000	15,000	5.0	208-230	3	60	13.4	4120	137
	50,000	12,500	4.0	200-220	3	50	10.8	3370	115
AT5(H)GE	60,000	15,000	5.0	460	3	60	6.4	4120	85
	50,000	12,500	4.0	380-415	3	50	6.3	3370	58
AT5(H)GEK	60,000	15,000	5.0	380-415	3	50	7.4	3615	43
AT6(H)GD	72,000	18,000	6.0	208-230	3	60	14.5	4780	156
	60,000	14,000	4.7	200-220	3	50	14.4	3970	172
AT6(H)GE	72,000	18,000	6.0	460	3	60	7.2	4780	75
	60,000	14,000	4.7	380-415	3	50	7.2	3970	74



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