

Z575HC HEAT/COOL MODELS

FOR LARGER POOLS - 18 feet x 36 feet No Cover & 20 feet x 40 feet Covered

*Above pool sizes are a guide - For a FREE 4 page HeatSiphonalysis CERTIFIED Sizing & Cost Analysis of YOUR POOL VISIT - WWW.HEATSIPHON.COM

**400 to 650%
EFFICIENT**

NEW!

HIGHEST RATED COP
In the INDUSTRY!!*

120,400 BTUH

C.O.P. = 6.45

INDEPENDENTLY TESTED
per AHRI 1160 Standards

HEAT SIPHON®

**SAVE 50-80%
vs GAS**

Premium HEAT/COOL Series
Swimming Pool Heat Pumps

DIGITAL ONLY

HEAT SIPHON Z575HC Series FEATURES:

CORROSION PROOF DESIGN +100% WARRANTY

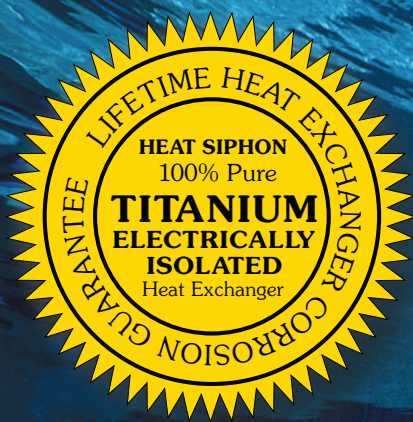
EXCLUSIVE DUAL HEAT EXCHANGERS - OVER 100 FEET of Titanium Tubing!!!

- ✓ LIFETIME TITANIUM Heat Exchanger
- ✓ SAFE - Electrically Isolated from Pool
- ✓ FULL FLOW - Low Pump Back-pressure
- ✓ NO Internal or External Bypass Plumbing
- ✓ 2" MPT & 1.5" Slip Water Fittings
- ✓ 3 MODES - HEAT or COOL or ICE MODE (heat)
- ✓ HEAT - High Efficiency to 40°F Air non-reversing
- ✓ ICE MODE - reversing defrost down to 34°F Air
- ✓ QUAD Thermo-Expansion Valve Regulated
- ✓ All Stainless Steel Hardware
- ✓ UV Stable Solid PVC Cabinet
- ✓ Whisper Quiet 3-Blade Fan Design
- ✓ Easy Built-in Power Connection Box
- ✓ 2 YEAR 100% coverage Parts + Labor Warranty
- ✓ 5 YEAR 100% Compressor+ Labor (not pro-rated)

Z575HC Model



ALL Models Use Environmentally Safe Green Gas (R410A) Available for: • 220 volt Single Phase 50/60 Hz • 220 volt 3 Phase 60Hz • 380 volt 3 Phase 50Hz • 480 volt 3 Phase 60Hz



HEAT SIPHON® Z575HC: TOP of the CLASS
HIGHEST EFFICIENCY in the Industry

*OF ALL BRANDS TESTED in the 70,000 BTUH and up Class - American Heating & Refrigeration Institute Std. 1160 at 80°F Air/ 80°F Water / 63% RH

MADE IN U.S.A.



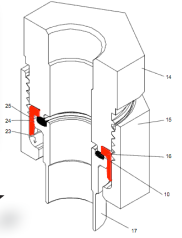
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FOR LARGER POOLS - 18 feet x 36 feet No Cover & 20 feet x 40 feet Covered

NOTE: POOLS SIZES ARE A GUIDE - ASK YOUR DEALERS FOR A FREE 4 PAGE HEAT SIPHON ANALYSIS SIZING & COST ANALYSIS OF YOUR POOL OR VISIT - WWW.HEATSIPHON.COM TO GET YOURS VIA EMAIL!



HEAT SIPHON®



EXCLUSIVE LIFETIME ELECTRICALLY ISOLATED **No Chemical Limits***

TITANIUM HEAT EXCHANGER in ALL MODELS (Patents Pending)

*No Chemical Limits - Includes Salt Water Pools - Full Unit Swap If Titanium Tubing **EVER** Leaks Water Inside Heat Pump

Z-Series DIGITAL MODELS

Patent Pending Water Temp Sensor Display 0.1°F / Accuracy 0.05°F



FIG. 15

DIGITAL Player Features:

All HEAT/COOL Models use the advanced HEAT SIPHON DIGITAL PLAYER CONTROL with sophisticated problem detection, 4 digit LED display and 4 discrete lights to provide constant status feedback

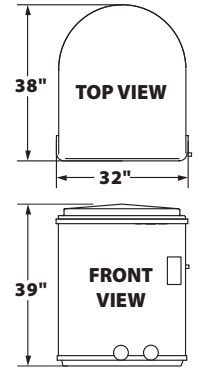
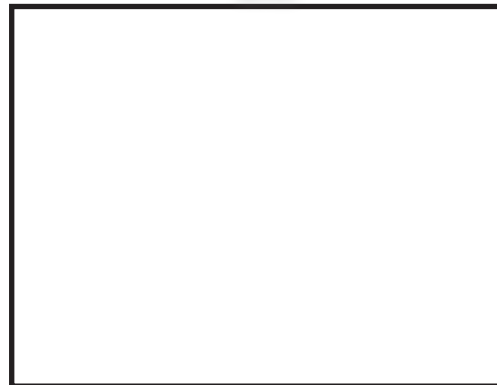
- ✓ Three Operating Modes - HEAT or COOL or AUTO for MAX efficiency & utility
- ✓ HEAT MODE (High Efficiency) - heats your pool/spa down to 40° F Air & shuts down until icing danger passes (48 - 50° F air) then automatically restarts to continue heating.
- ✓ ICE MODE (Maximum Heating Time) heats down to 34° F Air using cool mode to defrost when ice builds up as long as heating efficiency is above 50% with a 41° F air restart.
- ✓ COOL MODE allows you to cool down your pool or spa when the sun overheats it
- ✓ AUTO MODE will maintain the pool or spa set point by heating or cooling automatically
- ✓ POOL SPA COMBO - DUAL THERMOSTAT lets you set pool & spa temperature separately
- ✓ DISPLAYS WATER TEMPERATURE accurate to 0.1°F, SET POINT, MODE and ERROR CODES while STATUS LED's show operating mode & status
- ✓ WIRELESS READY - Just plug in a PASSPORT wireless gateway to the HEAT SIPHON DIGITAL FOOTBALL POOL SPA CONTROL SYSTEM (sold separately)
- ✓ AUTOMATION SYSTEM READY - Digital Player has EC MODE (external control) built in to allow remote ON/OFF switching via hard-wiring to all 3rd party pool/spa controllers



SCROLL COMPRESSORS
Used in ALL MODELS



NOTES



**HEAT SIPHON
FOOTPRINT & HEIGHT**
Weight = **350 LBS**

**MAXIMUM
EFFICIENCY
with ICE MODE**

**& Quad-TXV
Independently
Modulated
DUAL HEAT
EXCHANGERS**

Specifications:

THERMOSTAT 0.1°F Display Pool 50-98°F Spa 50-104°F
ACCURACY +/- 0.05°F w/1.5°F OFF to ON DIFFERENTIAL
RESTART TIME DELAY 240 SECONDS
AIR FLOW 5000 CFM - DISCHARGE VERTICAL UP
WATER FLOW 30 GPM MIN. - 80 GPM MAX.
PRESSURE DROP LESS THAN 2 PSI @ 80 GPM
CABINET PVC - UV STABILIZED FLAME RETARDANT
HARDWARE ALL 18-8 STAINLESS STEEL
FULL FLOW CONDENSER COMMERCIAL PURE TITANIUM TUBE IN PVC HOUSING
CONTROL CIRCUIT 24 VOLT AC 40VA CURRENT LIMITING TRANSFORMER
LOW PRESSURE SWITCH AUTO-RESET (CUT OUT 80 / CUT IN 125 PSIG)
HIGH PRESSURE SWITCH AUTO-RESET (CUT OUT 560 / CUT IN 400 PSIG)
EXPANSION DEVICE THERMOSTATIC EXPANSION VALVE

WARRANTY (USA ONLY) - FULL TERM PARTS & LABOR INCLUDED NOT PRO-RATED
• ALL PARTS 2 Years • COMPRESSORS 5 Years • LIFETIME HEAT EXCHANGER Corrosion

PICK YOUR POWER SUPPLY:

PERFORMANCE SPECIFICATIONS OF PREMIUM HEAT COOL HEAT SIPHON® MODELS

POWER SUPPLY APPLICATION		MODEL	TYPE	POWER Req'd				BREAKER AMPS	@60 Hz	
				VOLTAGE	HERTZ	PH	No. WIRES		BTUH	COP
RESIDENTIAL	220v 1-PHASE	Z575HC	DIGITAL	208/230	60	1	3 (2 HOT+GND)	50	120,421	6.45
COMMERCIAL	220v 3-PHASE	Z575HC3	DIGITAL	200/230	60	3	4 (3 HOT+GND)	40	122,000	6.40
	440v 3-PHASE	Z575HC4	DIGITAL	380/460	50/60	3	4 (3 HOT+GND)	20	122,000	6.40
EXPORT	380/440v 3-PHASE	Z575HCX	DIGITAL	380/460	50/60	3	5 (3 HOT+ NEUTRAL + GND)	20	122,000	6.40

RATING CONDITIONS: 80°F AIR / 80°F WATER / 63%RH PER AHRI 1160 STANDARDS



M.S.R.P. starting at \$6995.00