

PIONEER®

Air Conditioning & Heat Pump Systems

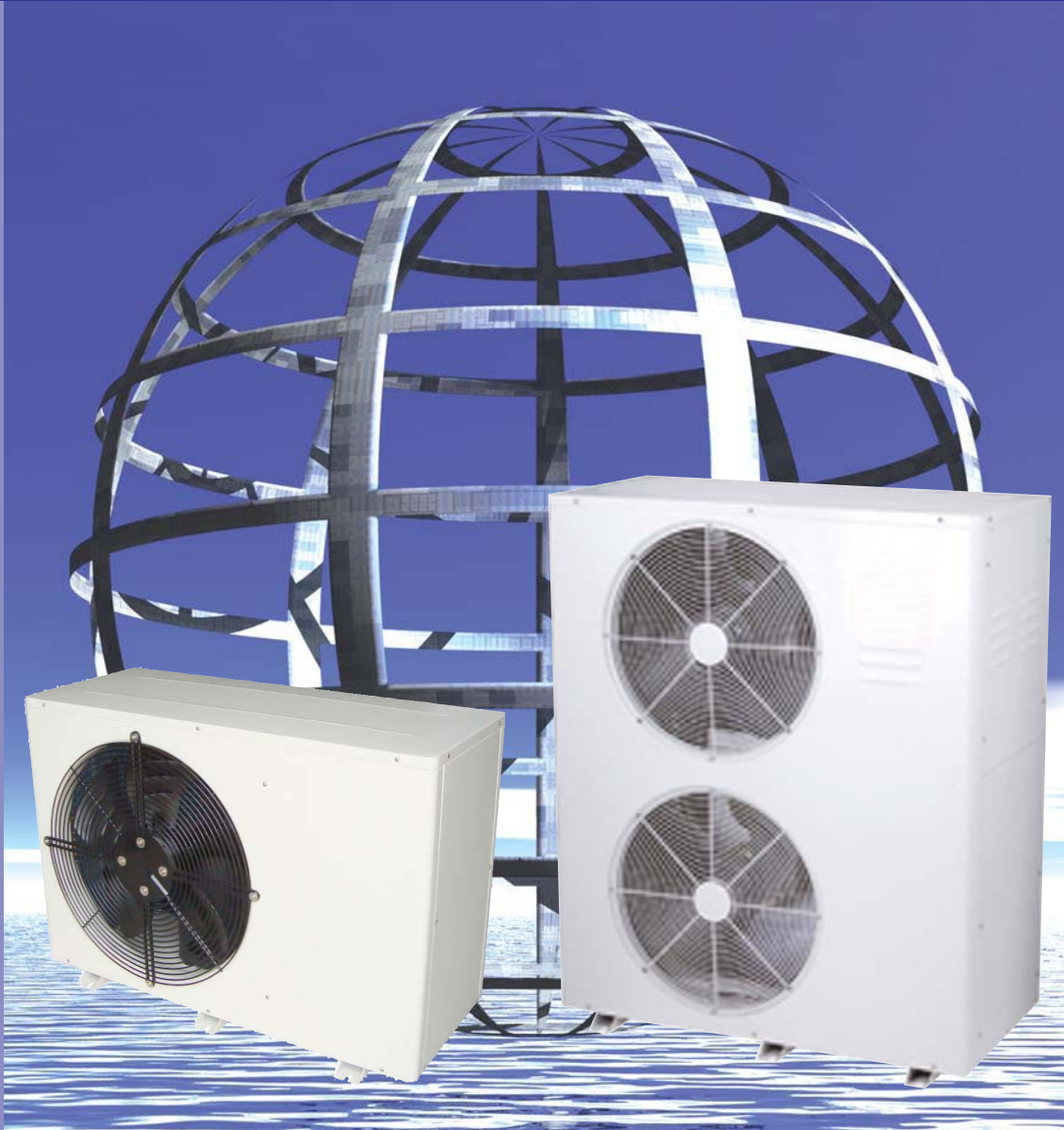
The "right choice" for those who want the "Best"....

KYH Series SPECIFICATIONS

Air Cooled Reverse Cycle Water Chiller

Heating and Cooling

18,000 through 60,000 BTU/Hr.)



Input Power Selection:

G Series : 208~230/1/60

H Series : 208~230/3/60

W Series : 220~220/1/50

J Series : 200~230/3/50

Z Series : 380~415/3/50

Refrigerant Selection:

A Series : R22

E Series : R407C

F Series : R410A

STANDARD FEATURES

- HIGH EFFICIENCY HEAT EXCHANGERS ON ALL MODELS
- SUPER HIGH OPERATING EFFICIENCY
- MONOBLOCK COMPACT DESIGN FOR UTMOST INSTALLATION FLEXIBILITY
- DIGITAL REMOTE CONTROL MODULE
- SOPHISTICATED ELECTRONIC SAFETY CONTROLS
- TIME-DEMAND DEFROST CIRCUITRY
- HEAVY GAUGE ZINK COATED GALVANIZED STEEL CASING
- DURABLE POLYESTER-URETHANE PAINT
- TESTED IN 950 HOURS OF SALT SPRAY
- COATED WIRE COIL GUARD
- VARIOUS REFRIGERANT OPTIONS
- COPPER TUBE / ALUMINUM FIN COILS TESTED AT 425 PSI
- FAN MOTORS WITH INTERNAL OVERLOAD PROTECTION
- DYNAMICALLY BALANCED HIGH VOLUME PROPELLER FAN
- HIGH PERFORMANCE HEAT EXCHANGER CIRCUITRY
- PERMANENTLY LUBRICATED FAN MOTOR BEARINGS
- DURABLE HERMETICALLY SEALED COMPRESSOR
- COMPRESSORS WITH INTERNAL SPRING ISOLATION & SOUND MUFFLING
- TEMPERATURE / CURRENT COMPRESSOR OVERLOADS
- STAINLES STEEL WATER CIRCULATION PUMP

Model	Cooling & Heating		KAH018W	KAH030W	KAH036W	KAH048W	KAH048Z	KAH060Z	
	Cooling Only		KYH018W	KYH030W	KYH036W	KYH048W	KYH048Z	KYH060Z	
Power Supply			220V/50Hz/1PH				380-415V/50Hz/3Ph		
Refrigerant			R410A / R407C / R22						
Cooling Capacity		Btu	18000	29500	36000	48000	48000	60000	
		W	5000	8650	10550	14000	14000	17500	
Heating Capacity		Btu	18500	30500	38000	48000	48000	60000	
		W	5400	8950	11000	14000	14000	17500	
Input Power	Cooling	W	1920	3200	4000	5500	5500	6980	
	Heating	W	1930	3300	3900	5380	5380	6730	
Current	Cooling	A	9.4	15	20.2	25	8.4	10.6	
	Heating	A	9	15.2	19.8	24.5	8.2	10.3	
E.E.R		Btu/h/w	9	9.2	8.7	8.7	8.7	8.6	
C.O.P		W/W	2.6	2.7	2.6	2.6	2.6	2.5	
Compressor	Type		Rotary			Scroll			
	Quantity/System		1			1			
Fan	Type		Axial Fan with external rotor		Axial Fan	Axial Fan	Axial Fan		
	Quantity		1	1	2	2	2	2	
	Airflow Rate	m3/h	3500	4500	3000x2	3000x2	3000x2	4500x2	
	Rated power x Quant	W	190x1	220x1	165x2	165x2	165x2	315x2	
Air Side Heat Exchanger	Heat Exchanger Type		Air cooled fin-tube heat exchanger						
	Face area	m ²	0.74	0.74	1.13	1.13	1.13	1.13	
	Row-Fins/in		1 Row/14	2 Rows/14	1 Rows/14	2 Rows/14	2 Rows/14		
	Tube.Dia	Inch	5/16O.D.	5/16O.D.	3/8 O.D.	3/8 O.D.	3/8 O.D.		
Noise Level		dB(A)	68	68	60	60	60	68	
Water Side Heat Exchanger	Type		Shell and tube						
	Water Pressure Drop	kPa	20	16	16	16	16	20	
	Piping Connection	Inch	G3/4	G1	G1	G1	G1	G1	
	Water Flow	m ³ /h	0.92	1.6	2.5	2.5	2.5	4.2	
Water-Pump Input Power		W	75	175	780	780	780	780	
Net Dimension	LxDxH	mm	1060x425x710		960x480x1170	960x480x1170	960x480x1170		
Packing Dimension	LxDxH	mm	1090x515x740		1010x590x1310	1010x590x1310	1010x590x1310		
Net Weight		kg	98	130	138	151	151	161	
Packing Weight		kg	112	144	155	165	165	175	

Note:

- 1、Cooling condition: water in/out temperature:12°C/7°C. Ambient temperature:35°C;
- 2、Heating condition: water in/out temperature: 40°C/45°C, Ambient temperature:DB/WB 7/6 °C.