

# PIONEER®

**Air Conditioning & Heat Pump Systems**

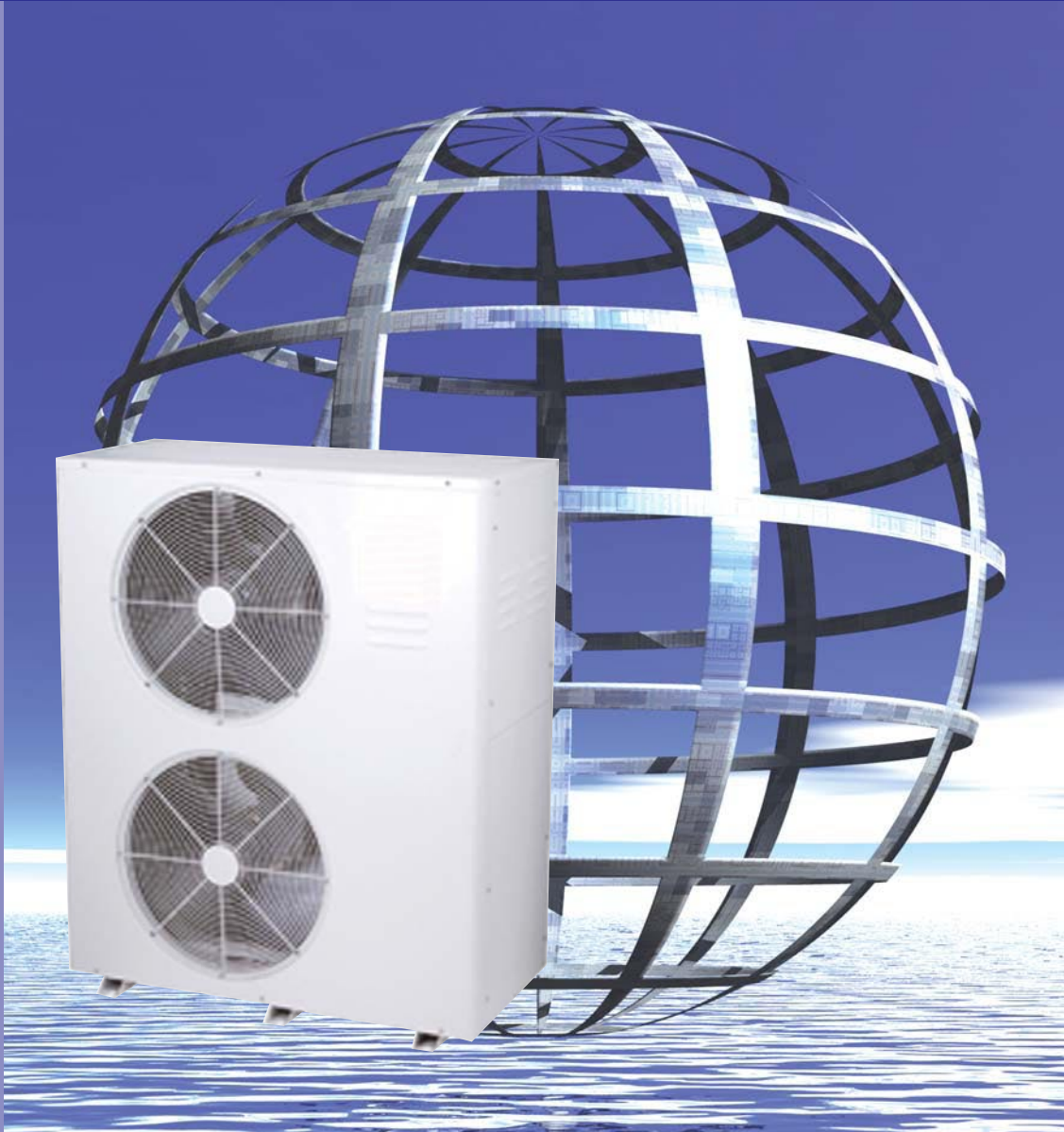
The "right choice" for those who want the "Best"....

## KYS Series SPECIFICATIONS

**Air Cooled Reverse Cycle Water Chiller**

**Heating and Cooling**

**36,000 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

R407C-50Hz

Model	Cooling Only		KAS036	KAS048	KAS060
	Cooling & Heating		KYS036	KYS048	KYS060
Power Supply			220~240V/50Hz/1ph	380-415V/50Hz/3ph	
Refrigerant			R407C		
Cooling Capacity		Btu	36000	48000	60000
		W	10550	14000	17500
Heating Capacity		Btu	38000	48000	60000
		W	11000	14000	17500
Cooling Power Input		W	4000	5500	6980
Heating Power Input		W	3900	5380	6730
Cooling Current		A	20.2	8.4	10.6
Heating Current		A	19.8	8.2	10.3
E.E.R		Btu/h.w	8.7	8.7	8.6
C.O.P		W/W	2.6	2.6	2.6
Compressor	Type		Scroll Compressor	Scroll Compressor	
	Quantity/System		1	1	1
FAN	Type		Axial	Axial	
	Quantity		2	2	2
	Airflow	m3/h	3000x2	3000x2	4500x2
	Quantity Rated power	W	250	165x2	315x2
Air Side Heat Exchanger	Heat Exchanger Type		Air Condenser Coil	Air Condenser Coil	
	Face area	m <sup>2</sup>	1.13	1.13	
	Row-Fins/in		1 Rows/14	2 Rows/14	
	Tube.Dia	Inch	3/8 O.D.	3/8 O.D.	
Niose Level		dB(A)	60	60	68
Water Side Heat Exchanger	Type		Shell and tube	Shell and tube	
	Water Pressure Drop	kPa	16	16	20
	Piping Connection	Inch	G1"	G1"	G1"
	Water Flow	m <sup>3</sup> /h	2.5	2.5	4.2
Net Dimension	LxDxH	mm	960x480x1170	960x480x1170	
Shipping Dimension	LxDxH	mm	1010x590x1310	1010x590x1310	
Net Weight		kg	130	151	161
Packing Weight		kg	142	165	175

Note:

- 1、Cooling condition: Cool water in/out temperature:12°C/7°C. Ambient temperature:35°C;
- 2、Heating condition: Hot water in/out temperature: 40°C/45°C, Ambient temperature:DB7°C/WB6°C