

KAC LARGE WATER-COOLED AIR CONDITIONERS

KHP LARGE WATER SOURCE HEAT PUMPS *(closed loop)*

- Indoor packaged units
- For use in commercial and industrial applications (manufacturing plants, office buildings, schools, hotels)
- Vertical units with front return and top discharge
- Compressor compartment separated from airflow



QUALITY FEATURES

- 2 independent refrigeration circuits
- Belt driven twin blower with adjustable pulleys
- Satin-coated steel casing with grey powder paint finish
- 2 separate shell and tube condensers (cleanable) coax condenser standard on models 160, 180, 240
- 2 separate water regulating valves (KAC)/reversing valves (KHP) factory installed
- Single inlet for water supply
- 24V external terminal strip for thermostat connection
- Refrigerant high and low pressure cut-out switches
- Access ports on high and low sides
- Freezestat on heat pump models
- Stainless steel drain pan
- Threaded water connections
- Easy access to all components through large removable panels on three sides of unit
- Voltages available:
208-230, 460, 575/3/60

OPERATING RANGE

- Entering Air 70°F thru 85°F DB
61°F thru 73°F WB
- Entering Water A/C mode
40°F thru 90°F
Heat Pump mode 60°F thru 80°F
- External Static Pressure 0" thru 1.5"

OPTIONS AVAILABLE

- Copper or HyPoxy® coated fin coils
- Heresite or Thermoguard coated coils
- Condenser: cupronickel shell and tube, regular or double vented coaxial
- Combinations of motor/blower to suit wide range of external static pressures
- Different airflow arrangements
- 300 psi operating condition on waterside

Model	Cooling ¹		Heating		Nominal	usgpm		Unit amps (60 Hz)			Motor
	Total	EER	Total	COP		With	W/out ²	208-230/3	460/3	575/3	
	Btu/h		Btu/h		cfm	Water Valve	Water Valve				hp
KAC KHP 160	160,767	12.9	173,130	3.8	5,100	16	40	46.6	23.3	18.7	2
KAC KHP 180	182,380	11.0	197,810	4.1	6,000	22	45	56.6	25.8	20.5	3
KAC KHP 200	205,600	14.1	215,280	4.2	6,400	24	48	56.6	25.8	20.5	3
KAC KHP 220	226,000	12.5	258,311	4.4	7,200	26	54	69.8	31.2	24.7	5
KAC KHP 240	243,230	11.1	283,900	4.0	8,000	29	60	77.0	34.1	27.2	5
KAC KHP 300	301,330	12.3	346,700	3.5	10,000	44	75	124.0	55.6	44.6	7.5
KAC KHP 360	357,200	12.2	402,200	3.4	12,000	54	90	143.6	64.8	51.9	7.5
KAC KHP 420	421,000	14.5	481,000	4.6	14,000	48	105	152.4	68.1	54.7	10
KAC KHP 480	484,960	11.0	552,100	3.4	16,000	56	120	193.8	86.1	69.2	10
KAC KHP 600	631,260	11.0	692,200	3.6	20,000	62	150	247.2	111.2	89.2	15
KAC KHP 720	736,800	12.7	810,000	3.9	24,000	108	180	298.8	135.4	108.4	20

1. At 80°F DB, 67°F WB

2. At 85°F entering water (cooling mode) 70°F (heating mode)

Model	Vertical Dimensions (in.)			Net Weight
	W	H	D	
KAC/KHP 160	82	58 1/4	38	1600
180	82	64 1/4	38	1800
200	82	64 1/4	38	1800
220	82	70 1/4	38	2000
240	82	70 1/4	38	2000
300	86	87 1/4	44	2200
360	86	87 1/4	44	2500
420	112	79 1/4	48	3200
480	112	94 1/4	48	3800
600	112	97 1/4	50	4400
600 LOW	140	94	60	4400
720	140	94	60	5100

Note: The information in this catalogue is accurate at the time of printing. However, in keeping with company policy to continuously improve our products and maintain our technological edge, we reserve the right to change designs and specifications without notice.