

SYMBOLS

Operation



Cooling only



Heat Pump



Ice protection system



Thermostatic Expansion Valve

Condensation



Air cooled



Water cooled



Evap. Condenser

Installation



Indoor Inst.



Outdoor inst.



Roof Top

Refrigerant



Refrig. R-134a



Refrig. R-407C



Refrig. R-22



Refrig. Ammonia



Refrig. R-507A



Refrig. R-404A

Compressor



Twin-screw Semi



Herm. Scroll

Electronics



Electronic Expansion Valve



Adv. Magnum Cont.



PLC Cont.



Variable Freq. Drive



Remote Monitoring

Extra Optional Features



Direct Expansion Type



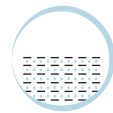
Cold Water



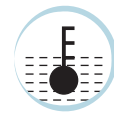
Hot Water



Coated Fins



Flooded Evap.



Elec. Liquid Level Ctrl.

NOMENCLATURE

Refrigerant

A



Refrig. R-134a



Refrig. R-507A



Refrig. R-404A

B



Refrig. R-407C

C



Refrig. R-22

D



Refrig. Ammonia

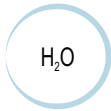
Condensation

AC



Air cooled

WC



Water cooled

Compressor

R



Twin-screw Semi

S



Herm. Scroll

Temperature

P



Plus

M



Minus

SERIES

AirCon

Application Type

Designed for comfort cooling / heating applications using screw compressor & scroll compressor technology

Temperature Range

+7.0 degree Celsius to +15.0 degree Celsius

Kuhler

Application Type

Designed for industrial process cooling applications using screw compressor & scroll compressor technology

Temperature Range

-15.0 degree Celsius to +20.0 degree Celsius

CST

Application Type

Designed for ultra low temperature process cooling applications using screw compressor technology with in-built motor

Temperature Range

-15.0 degree Celsius to -50.0 degree Celsius

Buffalo

Application Type

Designed for ultra low temperature process cooling / refrigeration & comfort cooling applications

Temperature Range

-50.0 degree Celsius to +10.0 degree Celsius

MRI Chillers

Application Type

Designed for medical equipment cooling applications

Temperature Range

+5.0 degree Celsius to +20.0 degree Celsius

technical data

Flamingo Chillers: AirCon A Series Air Cooled Screw Chillers

Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Water temperature of Plus 7 degree C

Model Number	AACRP7 01	AACRP7 02	AACRP7 03	AACRP7 04	AACRP7 05	AACRP7 06	AACRP7 07	AACRP7 08	AACRP7 09	AACRP7 10	AACRP7 11	AACRP7 12	AACRP7 13
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	16.75	22.70	28.76	29.98	33.51	40.83	44.32	52.38	55.36	56.47	59.97	65.23	71.83
Nominal Cooling Capacity (KW)	58.90	79.80	101.10	105.40	117.80	143.50	155.80	184.10	194.60	198.50	210.80	229.30	252.50
Compressor Motor (HP)	31	41	52	55	58	67	75	89	91	94	101	108	121
Current (Amperes)	37.20	49.10	61.30	61.80	69.30	82.90	91.60	104.30	108.90	112.50	119.20	128.70	144.60
Total Input (KW)	22.60	29.90	37.40	37.70	42.30	50.50	55.80	63.60	66.40	68.40	72.70	78.50	88.20
Total COP/EER at 100%	2.60	2.70	2.70	2.80	2.80	2.80	2.80	2.90	2.90	2.90	2.90	2.90	2.90
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Water Temperature = Plus 7°C / Plus 12°C; External exchanger (Condenser) Ambient Temperature = 55°C;
- (2) AirCon Series = For Comfort Cooling/Heating application.
- (3) AirCon Series Models **AACRP7 06 to AACRP7 13** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For dimension & weight contact Flamingo Chillers

Functions & Features



PLC Cont.



Cooling only



Air cooled



Outdoor inst.



Roof Top



Refrig. R-134a



Twin-screw semi.



Thermostatic Expansion Valve



Ice protection system

Optional Features



Heat Pump



Cold Water



Hot Water



Adv. Magnum Cont.



Remote Monitoring



Variable Freq. Drive



Electronic expansion Valve



Coated Fins

**AirCon Air Cooled Screw
A Series**