

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



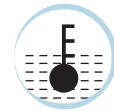
Hot Water



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

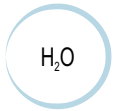
Condensation

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

Flamingo Chillers: AirCon A Series Water Cooled Screw Chillers

technical data

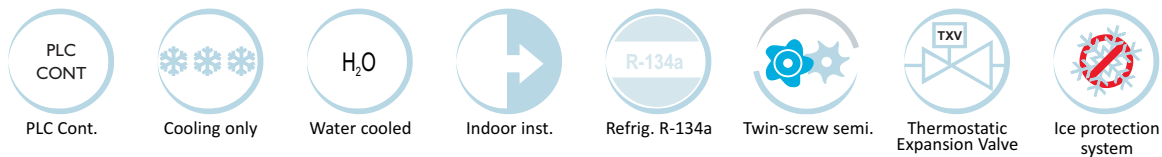
Technical Specifications: R-134A Refrigerant @ Chilled Water Temperature of Plus 7 Degree C

Model Number	AWCRP7 01	AWCRP7 02	AWCRP7 03	AWCRP7 04	AWCRP7 05	AWCRP7 06	AWCRP7 07	AWCRP7 08	AWCRP7 09	AWCRP7 10	AWCRP7 11	AWCRP7 12	AWCRP7 13
Refrigerant	R-134A (CFC Free)												
Nominal Cooling Capacity (TR)	18.92	25.63	32.49	33.85	37.84	46.09	50.07	59.15	62.50	63.76	67.71	73.68	81.11
Nominal Cooling Capacity(KW)	66.50	90.10	114.20	119.00	133.00	162.00	176.00	207.90	219.70	224.10	238.00	259.00	285.10
Compressor Motor (HP)	19	26	33	35	37	44	49	56	59	60	64	70	78
Current (Amperes)	24.90	32.80	41.00	41.40	46.40	55.40	61.30	69.80	72.80	75.10	79.80	86.10	96.80
Total Input (KW)	15.20	20.00	25.00	25.20	28.30	33.80	37.40	42.50	44.40	45.80	48.60	52.50	59.00
Total COP/EER at 100%	4.4	4.5	4.6	4.7	4.7	4.8	4.7	4.9	4.9	4.9	4.9	4.9	4.8
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) water Temperature = 40/35°C;
- (2) AirCon Series = For Comfort Cooling/Heating Applications
- (3) All AirCon Series Models **AWCRP7 12 to AWCRP7 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

Functions & Features



Optional Features



**AirCon Water Cooled Screw
A Series**

Flamingo Chillers: AirCon A Series Water Cooled Screw Chillers

technical data

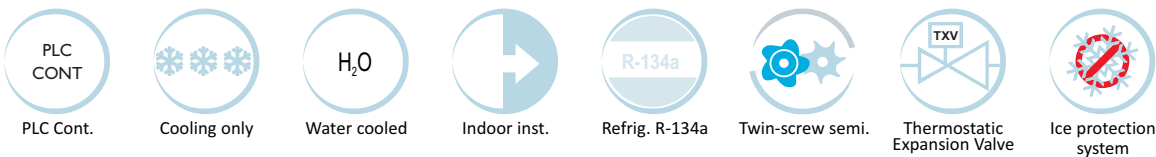
Technical Specifications: R-134A (CFC Free) Refrigerant @ Chilled Water temperature of Plus 7 degree C

Model Number	AWCRP7 14	AWCRP7 15	AWCRP7 16	AWCRP7 17	AWCRP7 18	AWCRP7 19	AWCRP7 20	AWCRP7 21	AWCRP7 22	AWCRP7 23	AWCRP7 24	AWCRP7 25	AWCRP7 26
Refrigerant	R-134A (CFC Free)												
Nominal Cooling Capacity (TR)	92.43	100.51	110.07	118.49	123.27	124.83	144.72	160.54	167.37	188.16	233.17	273.20	309.96
Nominal Cooling Capacity (KW)	324.90	353.30	386.90	416.50	433.30	438.80	508.70	564.30	588.30	661.40	819.60	960.30	1089.50
Compressor Motor (HP)	90	98	105	109	113	114	131	146	152	176	205	238	275
Current (Amperes)	108.40	119.20	128.70	135.40	140.90	142.70	164.40	182.40	190.20	212.00	262.20	304.30	344.10
Total Input (KW)	66.10	72.70	78.40	82.50	85.90	87.00	100.30	111.20	116.00	129.20	159.80	185.50	209.80
Total COP/EER at 100%	4.9	4.9	4.9	5.0	5.0	5.0	5.1	5.1	5.1	5.1	5.1	5.2	5.2
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

Data referred to the following conditions:

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- (4) For Dimensions & Weight contact Flamingo Chillers

Functions & Features



Optional Features



**AirCon Water Cooled Screw
A Series**