

SYMBOLS

Operation



Cooling only



Heat Pump



Ice protection system

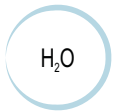


Thermostatic Expansion Valve

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



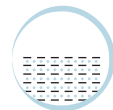
Cold Water



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

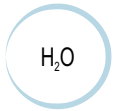
Condensation

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

Technical Specifications: R-407C (CFC Free) Refrigerant @ Chilled Water temperature of Plus 7 Degree C

| Model Number | BACSP7 01 | BACSP7 02 | BACSP7 03 | BACSP7 04 | BACSP7 05 | BACSP7 06 | BACSP7 07 | BACSP7 08 |
|--------------------------------|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Refrigerant | R-407C (CFC Free) | | | | | | | |
| Nominal Cooling Capacity (TR) | 5.00 TR | 10.00 TR | 15.00 TR | 20.00 TR | 25.00 TR | 30.00 TR | 35.00 TR | 40.00 TR |
| Nominal Cooling Capacity (KW) | 17.57 | 17.57 X 2 | 28.44 X 2 | 35.15 X 2 | 47.82 X 2 | 59.20 X 2 | N.A. | 72.97 X 2 |
| Current (Amperes) | 11.24 | 11.24 X 2 | 19.26 X 2 | 23.09 X 2 | 28.79 X 2 | 38.18 X 2 | N.A. | 45.10 X 2 |
| Total Input (KW) | 6.20 | 6.20 X 2 | 11.14 X 2 | 13.76 X 2 | 15.78 X 2 | 22.70 X 2 | N.A. | 27.65 X 2 |
| Total COP/EER at 100% | 2.50 | 2.50 | 2.55 | 2.54 | 2.48 | 2.61 | N.A. | 2.64 |
| Number of refrigerant circuits | 1 | 2 | | | | | | |
| 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) For dimension & weight contact Flamingo Chillers

Functions & Features



Optional Features

