

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



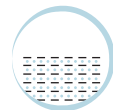
Cold Water



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

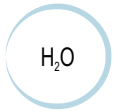
Condensation

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: KUHLER (BWCSP05) Series Water Cooled Scroll Chillers

Technical Specifications: R-407 C (CFC Free) Refrigerant @ Chilled Water temperature of plus 5 degree C

Model Number	BWCSP05 01	BWCSP05 02	BWCSP05 03	BWCSP05 04	BWCSP05 05	BWCSP05 06	BWCSP05 07	BWCSP05 08	BWCSP05 09	BWCSP05 10
Refrigerant	R-407 C (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	45.00 TR	50.00 TR
Nominal Cooling Capacity (KW)	17.96	17.96 X 2	26.74 X 2	35.77	45.26 X 2	52.72 X 2	61.68 X 2	70.47 X 2	79.35 X 2	87.87 X 2
Current (Amperes)	8.99	8.99 X 2	11.90 X 2	15.55 X2	22.85 X 2	23.80 X 2	28.45 X 2	31.07 X 2	37.60 X 2	34.44 X 2
Total Input (KW)	4.28	4.28 X 2	6.13 X 2	8.12 X 2	10.74 X 2	12.25 X 2	14.58 X 2	16.24 X 2	18.83 X 2	19.44 X 2
Total COP/EER at 100%	4.19	4.19	4.36	4.40	4.21	4.30	4.23	4.34	4.21	4.27
Tank	50 Litres	100 Litres	200 Litres	N	N	N	N	N	N	N
Pump	Y	Y	Y	N	N	N	N	N	N	N
Power Supply (V/Ph/Hz)	400/3/50									

Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Water Temperature = Plus5°C / Plus10°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) For Dimensions & Weight contact Flamingo Chillers

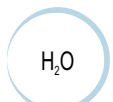
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-407C



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type

**Kuhler Series
BWCSP05**

technical data

Flamingo Chillers: KUHLER (BWCSP10) Series Water Cooled Scroll Chillers

Technical Specifications: R-407 C (CFC Free) Refrigerant @ Chilled Water temperature of plus 10 degree C

Model Number	BWCSP10 01	BWCSP10 02	BWCSP10 03	BWCSP10 04	BWCSP10 05	BWCSP10 06	BWCSP10 07	BWCSP10 08	BWCSP10 09	BWCSP10 10
Refrigerant	R-407 C (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	45.00 TR	50.00 TR
Nominal Cooling Capacity (KW)	18.88	18.88 X 2	27.95 X 2	39.45 X 2	43.93 X 2	55.07 X 2	64.01 X 2	70.86 X 2	80.12 X 2	89.56 X 2
Current (Amperes)	7.65	7.65 X 2	11.38 X 2	14.91 X 2	15.53 X 2	22.75 X 2	26.37 X 2	28.10 X 2	30.71 X 2	35.02 X 2
Total Input (KW)	3.66	3.66 X 2	5.35 X 2	7.59 X 2	8.14 X 2	10.70 X 2	12.31 X 2	13.76 X 2	15.55 X 2	17.55 X 2
Total COP/EER at 100%	5.16	5.16	5.22	5.19	5.34	5.14	5.20	5.15	5.15	5.10
Tank	50 Litres	100 Litres	200 Litres	N	N	N	N	N	N	N
Pump	Y	Y	Y	N	N	N	N	N	N	N
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 = Plus10°C / Plus15°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) For Dimensions & Weight contact Flamingo Chillers

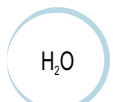
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Refrig. R-407C



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type

**Kuhler Series
BWCSP10**

technical data

Flamingo Chillers: KUHLER (BWCSP15) Series Water Cooled Scroll Chillers

Technical Specifications: R-407 C (CFC Free) Refrigerant @ Chilled Water temperature of plus 15 degree C

Model Number	BWCSP15 01	BWCSP15 02	BWCSP15 03	BWCSP15 04	BWCSP15 05	BWCSP15 06	BWCSP15 07	BWCSP15 08	BWCSP15 09	BWCSP15 10
Refrigerant	R-407 C (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	45.00 TR	50.00 TR
Nominal Cooling Capacity (KW)	18.43	18.43 X 2	26.52 X 2	36.71 X 2	47.46 X 2	54.57 X 2	66.30 X 2	72.32 X 2	80.29 X 2	89.06 X 2
Current (Amperes)	4.27	4.27 X 2	8.89 X 2	10.87 X 2	14.94 X 2	17.51 X 2	22.56 X 2	21.73 X 2	24.66 X 2	29.17 X 2
Total Input (KW)	3.07	3.07 X 2	4.25 X 2	5.75 X 2	7.63 X 2	8.77 X 2	10.61 X 2	11.49 X 2	13.34 X 2	14.29 X 2
Total COP/EER at 100%	6.00	6.00	6.24	6.38	6.22	6.22	6.24	6.29	6.02	6.23
Tank	50 Litres	100 Litres	200 Litres	N	N	N	N	N	N	N
Pump	Y	Y	Y	N	N	N	N	N	N	N
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 = Plus15°C / Plus20°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) For Dimensions & Weight contact Flamingo Chillers

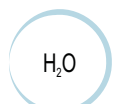
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-407C



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type

**Kuhler Series
BWCSP15**

technical data

Flamingo Chillers: KUHLER (BWCSP20) Series Water Cooled Scroll Chillers

Technical Specifications: R-407 C (CFC Free) Refrigerant @ Chilled Water temperature of plus 20 degree C

Model Number	BWCSP20 01	BWCSP20 02	BWCSP20 03	BWCSP20 04	BWCSP20 05	BWCSP20 06	BWCSP20 07	BWCSP20 08
Refrigerant	R-407 C (CFC Free)							
Nominal Cooling Capacity (TR)	15.00 TR	20.00 TR	25.00 TR	30.00 TR	35.00 TR	40.00 TR	45.00 TR	50.00 TR
Nominal Cooling Capacity (KW)	30.65 X 2	38.77 X 2	44.92 X 2	54.69 X 2	62.72 X 2	76.38 X 2	83.19 X 2	88.50 X 2
Current (Amperes)	8.81 X 2	11.17 X 2	11.74 X 2	14.98 X 2	17.46 X 2	22.33 X 2	21.60 X 2	23.46 X 2
Total Input (KW)	4.21 X 2	5.25 x 2	6.00 X 2	7.66 X 2	8.75 X 2	10.51 X 2	11.39 x 2	12.01 X 2
Total COP/EER at 100%	7.27	7.37	7.48	7.14	7.16	7.27	7.30	7.37
Tank	200 Litres	N	N	N	N	N	N	N
Pump	Y	N	N	N	N	N	N	N
Number of refrigerant circuits	2							
Power Supply (V/Ph/Hz)	400/3/50							

Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Water Temperature = Plus20°C / Plus25°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) For Dimensions & Weight contact Flamingo Chillers

Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-407C



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type

Kuhler Series
BWCSP20