

SYMBOLS

Operation



Cooling only



Heat Pump



Ice protection system

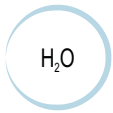


Thermostatic Expansion Valve

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



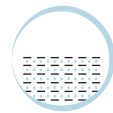
Cold Water



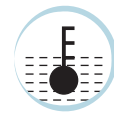
Hot Water



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 (CWCSPO5)SeriesWater Cooled Scroll Chillers

Technical Specifications: R-22 (Freon) Refrigerant @ Chilled Water temperature of plus 5 degree C

Model Number	CWCSP05 01	CWCSP05 02	CWCSP05 03	CWCSP05 04	CWCSP05 05	CWCSP05 06	CWCSP05 07	CWCSP05 08	CWCSP05 09
Refrigerant	R-22 (Freon)								
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	50.00 TR
Nominal Cooling Capacity (KW)	18.32	18.32 x 2	26.81 X 2	35.65 X 2	43.93 X 2	56.40 X 2	61.54 X 2	72.23 X 2	87.87 X 2
Current (Amperes)	7.23	7.23 X 2	12.52 X 2	15.57 X 2	19.53 X 2	24.51 X 2	28.08 X 2	31.28 X 2	34.86 X 2
Total Input (KW)	4.22	4.22 X 2	6.25 X 2	8.41 X 2	9.72 X 2	13.12 X 2	14.67 X 2	16.49 X 2	19.88 X 2
Total COP/EER at 100%	4.34	4.34 X 2	4.29	4.24	4.29	4.30	4.19	4.38	4.37
Tank	50 Litres	100 Litres	200 Litres	N	N	N	N	N	N
Pump	Y	Y	Y	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 = 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

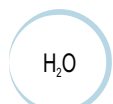
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type

**Kuhler Series
CWCSPO5**

technical data

Flamingo Chillers: KUHLER (CWCS10) Series Water Cooled Scroll Chillers

Technical Specifications: R-22 (Freon) Refrigerant @ Chilled Water temperature of plus 10 degree C

Model Number	CWCSP10 01	CWCSP10 02	CWCSP10 03	CWCSP10 04	CWCSP10 05	CWCSP10 06	CWCSP10 07	CWCSP10 08	CWCSP10 09	CWCSP10 10
Refrigerant	R-22 (Freon)									
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)	19.80	19.80 X 2	28.63 X 2	39.47 X 2	43.93 X 2	56.41 X 2	67.39 X 2	70.41 X 2	80.74 X 2	87.87 X 2
Current (Amperes)	6.73	6.73 X 2	11.61 X 2	14.96 X 2	15.65 X 2	19.58 X 2	24.86 X 2	27.87 X 2	32.08 X 2	31.93 X 2
Total Input (KW)	3.81	3.81 X 2	5.55 X 2	7.49 X 2	8.50 X 2	9.80 X 2	13.40 X 2	13.80 X 2	16.02 X 2	17.03 X 2
Total COP/EER at 100%	5.19	5.19	5.16	5.27	5.01	5.10	5.03	5.10	5.04	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-22



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type

**Kuhler Series
CWCS10**

technical data

Flamingo Chillers: KUHLER (CWCSP15) Series Water Cooled Scroll Chillers

Technical Specifications: R-22 (Freon) Refrigerant @ Chilled Water temperature of plus 15 degree C

Model Number	CWCSP15 01	CWCSP15 02	CWCSP15 03	CWCSP15 04	CWCSP15 05	CWCSP15 06	CWCSP15 07	CWCSP15 08	CWCSP15 09	
Refrigerant	R-22 (Freon)									
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	45.00 TR	50.00 TR	
Nominal Cooling Capacity (KW)	18.94	18.94 X 2	26.85 X 2	39.30 X 2	46.71 X 2	52.90 X 2	61.51 X 2	79.86 X 2	103.42 X 2	
Current (Amperes)	5.42	5.42 X 2	8.68 X 2	13.19 X 2	15.20 X 2	17.34 X 2	19.61 X 2	25.31 X 2	32.83 X 2	
Total Input (KW)	3.13	3.13 X 2	4.19 X 2	6.29 X 2	7.68 X 2	8.37 X 2	9.84 X 2	13.72 X 2	17.65 X 2	
Total COP/EER at 100%	6.05	6.05	6.41	6.24	6.08	6.32	6.00	5.82	5.86	
Tank	50 Litres	100 Litres	200 Litres	N	N	N	N	N	N	
Pump	Y	Y	Y	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; Condensing temperature = 40°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) For Dimensions & Weight contact Flamingo Chillers

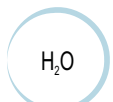
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type

**Kuhler Series
CWCSP15**

technical data

Flamingo Chillers: KUHLER (CWCS20) Series Water Cooled Scroll Chillers

Technical Specifications: R-22 (Freon) Refrigerant @ Chilled Water temperature of plus20 degree C

Model Number	CWCSP20 01	CWCSP20 02	CWCSP20 03	CWCSP20 04	CWCSP20 05	CWCSP20 06
Refrigerant	R-22 (Freon)					
Nominal Cooling Capacity (TR)	15.00 TR	20.00 TR	25.00 TR	30.00 TR	35.00 TR	50.00 TR
Nominal Cooling Capacity (KW)	30.69 X 2	38.60 X 2	44.61 X 2	53.16 X 2	67.18 X 2	90.98 X 2
Current (Amperes)	8.62 X 2	11.54 X 2	13.15 X 2	15.45 X 2	19.61 X 2	25.76 X 2
Total Input (KW)	4.15 X 2	5.52 X 2	6.28 X 2	7.81 X 2	9.87 X 2	14.03 X 2
Total COP/EER at 100%	7.39	6.98	7.10	6.80	6.80	6.48
Tank	200 Litres	N	N	N	N	N
Pump	Y	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; Condensing temperature = 55°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) For Dimensions & Weight contact Flamingo Chillers

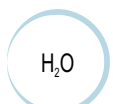
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type

**Kuhler Series
CWCS20**