

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



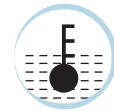
Hot Water



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

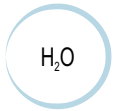
Condensation

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 (AACRP05) Series Air Cooled Scroll Chillers

Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Water temperature of plus 5 degree C

Model Number	AACSP05 01	AACSP05 02	AACSP05 03	AACSP05 04	AACSP05 05	AACSP05 06	AACSP05 07	AACSP05 08	AACSP05 09
Refrigerant	R-134a (CFC Free)								
Nominal Cooling Capacity (TR)	3.50 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)	13.02	17.94	17.94 X 2	26.36 X 2	35.15 X 2	44.29 X 2	57.86 X 2	65.43 X 2	73.34 X 2
Current (Amperes)	11.56	15.71	15.71 X 2	23.12 X 2	28.44 X 2	26.91 X 2	46.15 X 2	55.39 X 2	59.90 X 2
Total Input (KW)	5.46	7.72	7.72 X 2	10.92 X 2	14.61 X 2	18.52 X 2	24.11 X 2	27.81 x 2	27.81 X 2
Total COP/EER at 100%	2.38	2.32	2.32	2.35	2.39	2.39	2.40	2.35	2.34
Tank	50 Litres	50 Litres	100 Litres	200 Litres	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; 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



Air Cooled



Outdoor Inst.



Roof Top



Herm. Scroll



Refrig. R-134a



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type



Coted Fins

**Kuhler Series
AACSP05**

technical data

Flamingo Chillers: KUHLER (AACSP10) Series Air Cooled Scroll Chillers

Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Water temperature of plus 10 degree C

Model Number	AACSP10 01	AACSP10 02	AACSP10 03	AACSP10 04	AACSP10 05	AACSP10 06	AACSP10 07	AACSP10 08	AACSP10 09	AACSP10 10	AACSP10 11
Refrigerant	R-134a (CFC Free)										
Nominal Cooling Capacity (TR)	3.50 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)	12.39	17.68	17.68 X 2	26.36 X 2	35.15 X 2	43.93 X 2	52.72 X 2	61.51 X 2	71.34 X 2	80.68 X 2	90.42 X 2
Current (Amperes)	8.79	11.07	11.07 X 2	17.40 X 2	22.14 X 2	31.34 X 2	34.78 X 2	33.13 X 2	46.28 X 2	55.54 X 2	60.29 X 2
Total Input (KW)	4.28	5.89	5.89 X 2	8.75 X 2	11.79 X 2	15.48 X 2	17.50 X 2	19.00 X 2	24.22 X 2	27.94 X 2	31.86 X 2
Total COP/EER at 100%	2.90	3.00	3.00	2.98	2.96	2.82	2.93	3.04	2.94	2.89	2.84
Tank	50 Litres	50 Litres	100 Litres	200 Litres	N	N	N	N	N	N	N
Pump	Y	Y	Y	N	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; 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



AIR

Air Cooled



Outdoor Inst.



Roof Top



Herm. Scroll



R-134a

Refrig. R-134a



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type



Coted Fins

**Kuhler Series
AACSP10**

technical data

Flamingo Chillers: KUHLER (AACSP15) Series Air Cooled Scroll Chillers

Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Water temperature of plus 15 degree C

Model Number	AACSP15 01	AACSP15 02	AACSP15 03	AACSP15 04	AACSP15 05	AACSP15 06	AACSP15 07	AACSP15 08
Refrigerant	R-134a (CFC Free)							
Nominal Cooling Capacity (TR)	3.50 TR	5.00 TR	10.00 TR	15.00 TR	20.00 TR	25.00 TR	30.00 TR	40.00 TR
Nominal Cooling Capacity (KW)	15.14	19.39	19.39 X 2	27.13 X 2	33.73 X 2	45.08 X 2	56.07 X 2	70.30 X 2
Current (Amperes)	8.73	11.56	11.56 X 2	15.68 X 2	18.53 X 2	23.84 X 2	30.41 X 2	33.38 X 2
Total Input (KW)	4.28	5.45	5.45 X 2	7.78 X 2	9.33 X 2	12.90 X 2	16.19 X 2	19.22 X 2
Total COP/EER at 100%	3.57	3.55	3.55	3.49	3.61	3.49	3.46	3.65
Tank	50 Litres	50 Litres	100 Litres	200 Litres	N	N	N	N
Pump	Y	Y	Y	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 = 55°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) For Dimensions & Weight contact Flamingo Chillers

Functions & Features



PLC Cont.



Cooling Only



Air Cooled



Outdoor Inst.



Roof Top



Herm. Scroll



Refrig. R-134a



Thermostatic
Expansion Valve



Ice Protection
System

Optional Features



Adv. Magnum
Cont.



Remote Monitoring



Variable Freq.
Drive



Electronic Expansion
Valve



Direct Expansion
Type



Coted Fins

**Kuhler Series
AACSP15**