

# 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



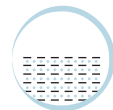
Cold Water



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

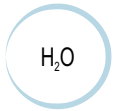
## Condensation

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 (AWCRM05) Series Water Cooled Screw Chillers

### Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Brine/Glycol temperature of minus 5 degree C

Model Number	AWCRM05 01	AWCRM05 02	AWCRM05 03	AWCRM05 04	AWCRM05 05	AWCRM05 06	AWCRM05 07	AWCRM05 08	AWCRM05 09	AWCRM05 10	AWCRM05 11	AWCRM05 12	AWCRM05 13
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	11.78	15.96	20.22	21.08	23.56	28.70	31.15	36.81	38.91	39.69	42.16	45.86	50.49
Nominal Cooling Capacity (KW)	41.40	56.10	71.10	74.10	82.80	100.90	109.50	129.40	136.80	139.50	148.20	161.20	177.50
Compressor Motor (HP)	31	41	52	55	58	67	75	89	91	94	101	108	121
Current (Amperes)	23.30	30.80	38.40	38.80	43.40	51.90	57.40	65.30	68.20	70.40	74.70	80.70	90.60
Total Input (KW)	14.20	18.80	23.40	23.60	26.50	31.70	35.00	39.80	41.60	42.90	45.60	49.20	55.30
Total COP/EER at 100%	2.90	3.00	3.00	3.10	3.10	3.20	3.10	3.20	3.30	3.30	3.30	3.30	3.20
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol Temperature = Minus 5°C /0°C; Condensing temperature = 55°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRM0513 to AWCRM05 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRM05**

## technical data

## Flamingo Chillers: KUHLER (AWCRM05) Series Water Cooled Screw Chillers

### Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Brine/Glycol temperature of minus 5 degree C

Model Number	AWCRM05 14	AWCRM05 15	AWCRM05 16	AWCRM05 17	AWCRM05 18	AWCRM05 19	AWCRM05 20	AWCRM05 21	AWCRM05 22	AWCRM05 23	AWCRM05 24	AWCRM05 25	AWCRM05 26
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	57.55	62.59	68.53	73.77	76.79	77.70	90.10	99.94	104.18	117.13	145.15	170.07	192.94
Nominal Cooling Capacity (KW)	202.30	220.00	240.90	259.30	269.80	273.10	316.70	351.30	366.20	411.70	510.20	597.80	678.20
Compressor Motor (HP)	141	152	162	175	178	183	208	230	234	278	335	392	443
Current (Amperes)	101.50	111.70	120.50	126.80	132.00	133.70	154.00	170.90	178.20	198.50	245.60	285.10	322.40
Total Input (KW)	61.90	68.10	73.50	77.30	80.50	81.50	93.90	104.20	108.60	121.00	149.70	173.80	196.50
Total COP/EER at 100%	3.30	3.20	3.30	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.50
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol Temperature = Minus 5°C /0°C; Condensing temperature = 55°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRM0513 to AWCRM05 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

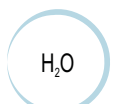
## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRM05**

## technical data

## Flamingo Chillers: KUHLER (AWCRP01) Series Water Cooled Screw Chillers

### Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Brine/Glycol temperature of plus 1 degree C

Model Number	AWCRP01 01	AWCRP01 02	AWCRP01 03	AWCRP01 04	AWCRP01 05	AWCRP01 06	AWCRP01 07	AWCRP01 08	AWCRP01 09	AWCRP01 10	AWCRP01 11	AWCRP01 12	AWCRP01 13
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	14.85	20.11	25.49	26.57	29.70	36.19	39.29	46.43	49.00	50.00	53.14	57.80	63.64
Nominal Cooling Capacity (KW)	52.20	70.70	89.60	93.40	104.40	127.20	138.10	163.20	172.40	175.90	186.80	203.20	223.70
Compressor Motor (HP)	31	41	52	55	58	67	75	89	91	94	101	108	121
Current (Amperes)	24.10	31.90	39.80	40.20	45.00	53.80	59.50	67.70	70.70	72.90	77.50	83.60	94.00
Total Input (KW)	14.70	19.40	24.30	24.50	27.50	32.80	36.30	41.30	43.10	44.50	47.20	51.00	57.00
Total COP/EER at 100%	3.50	3.60	3.70	3.80	3.80	3.90	3.80	4.00	4.00	4.00	4.00	4.00	3.90
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol Temperature = 6°C / 1°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP01 13 to AWCRP01 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

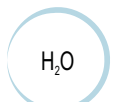
## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRP01**

## technical data

## Flamingo Chillers: KUHLER (AWCRP01) Series Water Cooled Screw Chillers

### Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Brine/Glycol temperature of plus 1 degree C

Model Number	AWCRP01 14	AWCRP01 15	AWCRP01 16	AWCRP01 17	AWCRP01 18	AWCRP01 19	AWCRP01 20	AWCRP01 21	AWCRP01 22	AWCRP01 23	AWCRP01 24	AWCRP01 25	AWCRP01 26
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	72.54	78.89	86.40	93.00	96.76	97.95	113.57	125.97	131.35	147.65	182.99	214.40	243.24
Nominal Cooling Capacity (KW)	255.00	277.30	303.70	326.90	340.10	344.30	399.20	442.80	461.70	519.00	643.20	753.60	855.00
Compressor Motor (HP)	141	152	162	175	178	183	208	230	234	278	335	392	443
Current (Amperes)	105.30	115.80	125.00	131.50	136.90	138.60	159.70	177.10	184.70	205.80	254.60	295.50	334.20
Total Input (KW)	64.20	70.60	76.20	80.20	83.40	84.50	97.40	108.0	112.60	125.50	155.20	180.20	203.80
Total COP/EER at 100%	4.00	3.90	4.00	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.10	4.20	4.20
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol Temperature = 6°C / 1°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP01 13 to AWCRP01 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

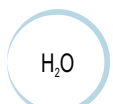
## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRP01**

## technical data

## Flamingo Chillers: KUHLER (AWCRP05) Series Water Cooled Screw Chillers

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

Model Number	AWCRP05 01	AWCRP05 02	AWCRP05 03	AWCRP05 04	AWCRP05 05	AWCRP05 06	AWCRP05 07	AWCRP05 08	AWCRP05 09	AWCRP05 10	AWCRP05 11	AWCRP05 12	AWCRP05 13
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	16.19	21.93	27.80	28.96	32.38	39.43	42.82	50.61	53.49	54.54	57.92	63.02	69.39
Nominal Cooling Capacity (KW)	56.90	77.10	97.70	101.80	113.80	138.60	150.50	177.90	188.00	191.70	203.60	221.50	243.90
Compressor Motor (HP)	31	41	52	55	58	67	75	89	91	94	101	108	121
Current (Amperes)	23.10	30.50	38.10	38.40	43.10	51.50	56.90	64.80	67.60	69.80	74.10	80.00	89.80
Total Input (KW)	14.10	18.60	23.20	23.40	26.30	31.40	34.70	39.50	41.20	42.50	45.20	48.80	54.80
Total COP/EER at 100%	4.0	4.1	4.2	4.3	4.3	4.4	4.3	4.5	4.6	4.5	4.5	4.5	4.5
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol/Water Temperature = Plus 5°C / Plus 10°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP05 13 to AWCRP0526** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

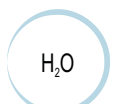
## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRP05**

## technical data

## Flamingo Chillers: KUHLER (AWCRP05) Series Water Cooled Screw Chillers

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

Model Number	AWCRP05 14	AWCRP05 15	AWCRP05 16	AWCRP05 17	AWCRP05 18	AWCRP05 19	AWCRP05 20	AWCRP05 21	AWCRP05 22	AWCRP05 23	AWCRP05 24	AWCRP05 25	AWCRP05 26
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	79.09	86.00	94.17	101.37	105.46	106.80	123.81	137.33	143.19	160.97	199.49	233.71	265.18
Nominal Cooling Capacity (KW)	278.00	302.30	331.00	356.30	370.70	375.40	435.20	482.70	503.30	565.80	701.20	821.50	932.10
Compressor Motor (HP)	141	152	162	175	178	183	208	230	234	278	335	392	443
Current (Amperes)	100.60	110.70	119.50	125.70	130.90	132.50	152.70	169.40	176.60	196.80	243.50	282.60	319.60
Total Input (KW)	61.40	67.50	72.80	76.60	79.80	80.80	93.10	103.30	107.70	120.00	148.40	172.30	194.80
Total COP/EER at 100%	4.5	4.5	4.5	4.6	4.6	4.6	4.7	4.7	4.7	4.7	4.7	4.8	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) Brine/Glycol/Water Temperature = Plus 5°C / Plus 10°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP05 13 to AWCRP0526** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

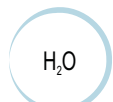
## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRP05**

## technical data

## Flamingo Chillers: KUHLER (AWCRP10) Series Water Cooled Screw Chillers

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

Model Number	AWCRP10 01	AWCRP10 02	AWCRP10 03	AWCRP10 04	AWCRP10 05	AWCRP10 06	AWCRP10 07	AWCRP10 08	AWCRP10 09	AWCRP10 10	AWCRP10 11	AWCRP10 12	AWCRP10 13
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	19.66	26.66	33.77	35.19	39.35	47.91	52.03	61.48	64.98	66.29	70.41	76.59	84.32
Nominal Cooling Capacity (KW)	69.10	93.70	118.70	123.70	138.20	168.40	182.90	216.10	228.40	233.00	247.50	269.20	296.40
Compressor Motor (HP)	31	41	52	55	58	67	75	89	91	94	101	108	121
Current (Amperes)	24.00	31.70	39.60	39.90	44.70	53.50	59.10	67.30	70.30	72.50	77.00	83.10	93.30
Total Input (KW)	14.60	19.30	24.10	24.30	27.30	32.60	36.00	41.00	42.80	44.20	46.90	50.70	56.90
Total COP/EER at 100%	4.7	4.9	4.9	5.1	5.1	5.2	5.1	5.3	5.3	5.3	5.3	5.3	5.2
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol/Water Temperature = Plus 10°C / Plus 15°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP10 13 to AWCRP10 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

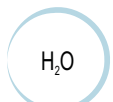
## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRP10**

## technical data

## Flamingo Chillers: KUHLER (AWCRP10) Series Water Cooled Screw Chillers

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

Model Number	AWCRP10 14	AWCRP10 15	AWCRP10 16	AWCRP10 17	AWCRP10 18	AWCRP10 19	AWCRP10 20	AWCRP10 21	AWCRP10 22	AWCRP10 23	AWCRP10 24	AWCRP10 25	AWCRP10 26
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	96.10	104.50	114.45	123.19	128.17	129.75	150.44	166.88	174.00	195.62	242.42	284.00	322.24
Nominal Cooling Capacity (KW)	337.80	367.30	402.30	433.00	450.50	456.10	528.80	586.60	611.60	687.60	852.10	998.30	1132.70
Compressor Motor (HP)	141	152	162	175	178	183	208	230	234	278	335	392	443
Current (Amperes)	104.60	115.00	124.10	130.60	136.00	137.70	158.60	175.90	183.50	204.50	252.90	293.60	332.00
Total Input (KW)	63.70	70.10	75.70	79.60	82.90	83.90	96.70	107.30	111.90	124.70	154.20	179.00	202.40
Total COP/EER at 100%	5.3	5.2	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.5	5.5	5.6	5.6
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol/Water Temperature = Plus 10°C / Plus 15°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP10 13 to AWCRP10 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

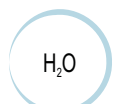
## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRP10**

## technical data

## Flamingo Chillers: KUHLER (AWCRP15) Series Water Cooled Screw Chillers

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

Model Number	AWCRP15 01	AWCRP15 02	AWCRP15 03	AWCRP15 04	AWCRP15 05	AWCRP15 06	AWCRP15 07	AWCRP15 08	AWCRP15 09	AWCRP15 10	AWCRP15 11	AWCRP15 12	AWCRP15 13
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	23.70	32.12	40.68	42.39	47.37	57.72	62.67	74.05	78.26	79.86	84.81	92.26	101.56
Nominal Cooling Capacity (KW)	83.30	112.90	143.00	149.00	166.50	202.90	220.30	260.30	275.10	280.70	298.10	324.30	357.00
Compressor Motor (HP)	31	41	52	55	58	67	75	89	91	94	101	108	121
Current (Amperes)	24.80	32.80	41.00	41.30	46.30	55.40	61.20	69.70	72.80	75.00	79.70	86.00	96.60
Total Input (KW)	15.10	20.00	25.00	25.20	28.20	33.80	37.30	42.50	44.40	45.70	48.60	52.40	58.90
Total COP/EER at 100%	5.5	5.6	5.7	5.9	5.9	6.0	5.9	6.1	6.2	6.1	6.1	6.2	6.1
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol /Water Temperature = Plus 15°C / Plus 20°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP15 to AWCRP15 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRP15**

## technical data

## Flamingo Chillers: KUHLER (AWCRP15) Series Water Cooled Screw Chillers

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

Model Number	AWCRP15 14	AWCRP15 15	AWCRP15 16	AWCRP15 17	AWCRP15 18	AWCRP15 19	AWCRP15 20	AWCRP15 21	AWCRP15 22	AWCRP15 23	AWCRP15 24	AWCRP15 25	AWCRP15 26
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	115.76	125.89	137.84	148.39	154.37	156.30	181.22	201.00	209.56	235.62	291.98	342.11	388.14
Nominal Cooling Capacity (KW)	406.90	442.50	484.50	521.60	542.60	549.40	637.00	706.60	736.60	828.20	1026.30	1202.50	1364.30
Compressor Motor (HP)	141	152	162	175	178	183	208	230	234	278	335	392	443
Current (Amperes)	108.20	119.10	128.50	135.20	140.80	142.50	164.20	182.20	190.00	211.70	261.90	303.90	343.70
Total Input (KW)	66.00	72.60	78.30	82.40	85.80	86.90	100.10	111.10	115.80	129.10	159.60	185.30	209.50
Total COP/EER at 100%	6.2	6.1	6.2	6.3	6.3	6.3	6.4	6.4	6.4	6.4	6.4	6.5	6.5
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

### Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol /Water Temperature = Plus 15°C / Plus 20°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP15 to AWCRP15 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

## Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-134a



Twin-screw Semi



Thermostatic  
Expansion Valve



Ice Protection  
System

## Optional Features



Adv. Magnum  
Cont.



Remote Monitoring



Variable Freq.  
Drive



Electronic Expansion  
Valve



Direct Expansion  
Type

**Kuhler Series  
AWCRP15**

technical data

**Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Water temperature of plus 20 degree C**

Model Number	AWCRP20 01	AWCRP20 02	AWCRP20 03	AWCRP20 04	AWCRP20 05	AWCRP20 06	AWCRP20 07	AWCRP20 08	AWCRP20 09	AWCRP20 10	AWCRP20 11	AWCRP20 12	AWCRP20 13
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	28.31	38.38	48.62	50.67	56.61	68.99	74.91	88.51	93.54	95.42	101.36	110.27	121.39
Nominal Cooling Capacity (KW)	99.50	134.90	170.90	178.10	199.00	242.50	263.30	311.10	328.80	335.40	356.30	387.60	426.70
Compressor Motor (HP)	31	41	52	55	58	67	75	89	91	94	101	108	121
Current (Amperes)	25.60	33.80	42.30	42.60	47.80	57.10	63.10	71.90	75.10	77.40	82.20	88.80	99.70
Total Input (KW)	15.60	20.60	25.80	26.00	29.10	34.80	38.50	43.80	45.80	47.20	50.10	54.10	60.80
Total COP/EER at 100%	6.4	6.5	6.6	6.9	6.8	7.0	6.8	7.1	7.2	7.1	7.1	7.2	7.0
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol /Water Temperature = Plus 20°C / Plus 25°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP20 13 to AWCRP20 26** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

Functions & Features

PLC Cont.

Cooling Only

Water Cooled

Indoor Inst.

Refrig. R-134a

Twin-screw Semi

Thermostatic Expansion Valve

Ice Protection System

Optional Features

Adv. Magnum Cont.

Remote Monitoring

Variable Freq. Drive

Electronic Expansion Valve

Direct Expansion Type

technical data

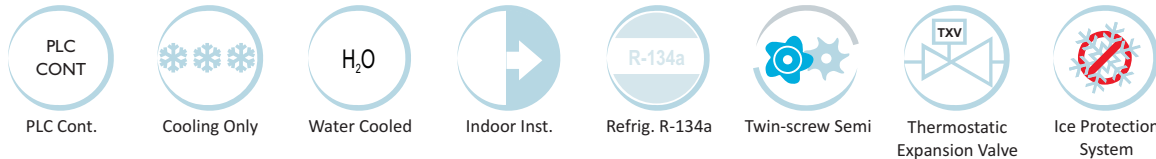
**Technical Specifications: R-134a (CFC Free) Refrigerant @ Chilled Water temperature of plus 20 degree C**

Model Number	AWCRP20 14	AWCRP20 15	AWCRP20 16	AWCRP20 17	AWCRP20 18	AWCRP20 19	AWCRP20 20	AWCRP20 21	AWCRP20 22	AWCRP20 23	AWCRP20 24	AWCRP20 25	AWCRP20 26
Refrigerant	R-134a (CFC Free)												
Nominal Cooling Capacity (TR)	138.34	150.44	164.75	177.35	184.50	186.83	216.59	240.26	250.47	281.59	349.00	408.82	463.90
Nominal Cooling Capacity (KW)	486.30	528.80	579.10	623.40	648.50	656.70	761.30	844.50	880.40	989.80	1226.70	1437.20	1630.60
Compressor Motor (HP)	141	152	162	175	178	183	208	230	234	278	335	392	443
Current (Amperes)	111.70	122.90	132.60	139.50	145.30	147.10	169.50	188.00	196.10	218.50	270.20	313.70	354.70
Total Input (KW)	68.10	74.90	80.90	85.10	88.60	89.70	103.30	114.60	119.50	133.20	164.80	191.20	216.20
Total COP/EER at 100%	7.1	7.1	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.4	7.4	7.5	7.5
Number of refrigerant circuits	1												
Power Supply (V/Ph/Hz)	400/3/50												

Data referred to the following conditions:

- (1) Internal exchanger (Evaporator) Brine/Glycol /Water Temperature = Plus 20°C / Plus 25°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) Kuhler Series = Multipurpose Industrial process cooling chillers
- (3) All Kuhler Series Models **AWCRP20 13 to AWCRP20 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

