

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



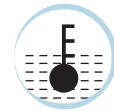
Hot Water



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

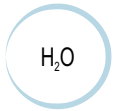
Condensation

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: Compact Screw Technology (CST AWCRM25) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 25 degree C

Model Number	AWCRM25 01	AWCRM25 02	AWCRM25 03	AWCRM25 04	AWCRM25 05	AWCRM25 06	AWCRM25 07	AWCRM25 08	AWCRM25 09	AWCRM25 10	AWCRM25 11	AWCRM25 12
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)											
Nominal Cooling Capacity (TR)	8.16	9.70	10.98	13.00	15.22	18.43	21.19	23.86	26.40	27.88	30.52	33.62
Nominal Cooling Capacity(KW)	28.70	34.10	38.60	45.70	53.50	64.80	74.50	83.90	92.80	98.00	107.30	118.20
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	33.10	37.90	43.10	51.00	59.20	74.20	85.20	95.90	106.10	111.30	122.40	133.10
Total Input (KW)	20.20	23.10	26.30	31.10	36.10	45.20	51.90	58.50	64.70	67.90	74.60	81.20
Total COP/EER at 100%	1.40	1.50	1.50	1.50	1.50	1.40	1.40	1.40	1.40	1.40	1.40	1.50
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 25°C / Minus 20°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) All CST Series Models **AWCRM25 09** to **AWCRM25 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

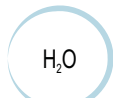
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM25**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWCRM25) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 25 degree C

Model Number	AWCRM25 13	AWCRM25 14	AWCRM25 15	AWCRM25 16	AWCRM25 17	AWCRM25 18	AWCRM25 19	AWCRM25 20	AWCRM25 21	AWCRM25 22	AWCRM25 23	AWCRM25 24	AWCRM25 25
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)												
Nominal Cooling Capacity (TR)	36.30	43.12	45.54	50.38	53.71	55.50	65.29	71.69	77.04	85.97	107.70	126.82	143.72
Nominal Cooling Capacity(KW)	127.60	151.60	160.10	177.10	188.80	195.10	229.50	252.00	270.80	302.20	378.60	445.80	505.20
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	145.90	172.20	181.90	202.30	214.50	225.90	260.30	285.80	304.50	338.30	427.80	500.00	563.90
Total Input (KW)	88.90	105.00	110.90	123.30	130.80	137.70	158.70	174.30	185.60	206.20	260.80	304.80	343.80
Total COP/EER at 100%	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.50	1.50	1.50	1.50	1.50
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 25°C / Minus 20°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) All CST Series Models **AWCRM25 09to AWCRM25 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

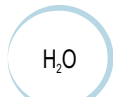
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM25**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWCRM30) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 30 degree C

Model Number	AWCRM30 01	AWCRM30 02	AWCRM30 03	AWCRM30 04	AWCRM30 05	AWCRM30 06	AWCRM30 07	AWCRM30 08	AWCRM30 09	AWCRM30 10	AWCRM30 11	AWCRM30 12
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)											
Nominal Cooling Capacity (TR)	6.40	7.62	8.62	10.24	11.97	14.50	16.67	18.77	20.76	21.93	24.00	26.42
Nominal Cooling Capacity (KW)	22.50	26.80	30.30	36.00	42.10	51.00	58.60	66.00	73.00	77.10	84.40	92.90
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	30.70	35.60	40.40	47.90	55.80	68.90	79.20	89.20	98.60	103.80	113.90	124.50
Total Input (KW)	18.70	21.70	24.70	29.20	34.00	42.00	48.30	54.40	60.10	63.30	69.40	75.90
Total COP/EER at 100%	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
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 30°C / Minus 25°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) All CST Series Models **AWCRM3009 to AWCRM3025** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

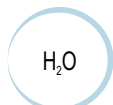
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM30**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWCRM30) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 30 degree C

Model Number	AWCRM30 13	AWCRM30 14	AWCRM30 15	AWCRM30 16	AWCRM30 17	AWCRM30 18	AWCRM30 19	AWCRM30 20	AWCRM30 21	AWCRM30 22	AWCRM30 23	AWCRM30 24	AWCRM30 25
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)												
Nominal Cooling Capacity(TR)	28.53	33.91	35.81	39.63	42.21	43.64	51.32	56.38	60.56	67.60	84.69	99.74	113.00
Nominal Cooling Capacity (KW)	100.30	119.20	130.90	139.30	148.40	153.40	180.40	198.20	212.90	237.60	297.70	350.60	397.20
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	135.60	160.50	169.50	188.10	199.90	208.90	242.70	266.60	284.90	317.10	399.60	468.40	529.30
Total Input (KW)	82.70	97.90	103.30	114.70	121.90	127.40	148.00	162.50	173.70	193.30	243.60	285.60	322.70
Total COP/EER at 100%	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
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 30°C / Minus 25°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) All CST Series Models **AWCRM3009 to AWCRM3025** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

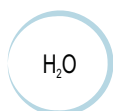
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM30**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWCRM35) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 35 degree C

Model Number	AWCRM35 01	AWCRM35 02	AWCRM35 03	AWCRM35 04	AWCRM35 05	AWCRM35 06	AWCRM35 07	AWCRM35 08	AWCRM35 09	AWCRM35 10	AWCRM35 11	AWCRM35 12
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)											
Nominal Cooling Capacity (TR)	4.89	5.80	6.57	7.79	9.13	11.00	12.71	14.31	15.81	16.72	18.29	20.17
Nominal Cooling Capacity (KW)	17.20	20.40	23.10	27.40	32.10	38.90	44.70	50.35	55.60	58.80	64.35	70.90
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	27.70	32.20	36.50	43.35	50.40	62.35	71.60	80.60	89.20	93.80	102.90	112.50
Total Input (KW)	16.90	19.60	22.35	26.40	35.70	38.00	43.60	49.10	54.40	57.20	62.70	68.60
Total COP/EER at 100%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
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 35°C / Minus 30°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) All CST Series Models **AWCRM3509 to AWCRM3525** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

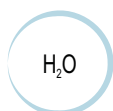
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM35**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWCRM35) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 35 degree C

Model Number	AWCRM35 13	AWCRM35 14	AWCRM35 15	AWCRM35 16	AWCRM35 17	AWCRM35 18	AWCRM35 19	AWCRM35 20	AWCRM35 21	AWCRM35 22	AWCRM35 23	AWCRM35 24	AWCRM35 25
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)												
Nominal Cooling Capacity (TR)	21.76	35.86	27.31	35.21	32.20	33.35	39.14	42.98	46.17	51.52	64.55	76.00	86.14
Nominal Cooling Capacity (KW)	76.50	90.90	96.00	106.20	113.20	116.90	137.60	151.10	162.35	181.10	226.90	267.20	352.80
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	27.70	32.20	36.50	43.35	50.40	62.35	71.60	80.60	89.20	93.80	102.90	112.50	122.60
Total Input (KW)	16.90	19.60	22.35	26.40	35.70	38.00	43.60	49.10	54.40	57.20	62.70	68.60	74.70
Total COP/EER at 100%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
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 35°C / Minus 30°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) All CST Series Models **AWCRM3509 to AWCRM3525** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

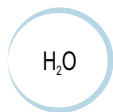
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM35**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWCRM40) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 40 degree C

Model Number	AWCRM40 01	AWCRM40 02	AWCRM40 03	AWCRM40 04	AWCRM40 05	AWCRM40 06	AWCRM40 07	AWCRM40 08	AWCRM40 09	AWCRM40 10	AWCRM40 11	AWCRM40 12
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)											
Nominal Cooling Capacity (TR)	3.56	4.21	4.77	5.66	6.63	8.00	9.21	10.40	11.46	12.03	13.40	14.59
Nominal Cooling Capacity (KW)	12.50	14.80	16.80	19.90	23.40	28.20	32.40	36.40	40.40	42.60	46.60	51.40
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	24.40	28.40	32.20	38.10	44.40	54.90	63.00	71.00	78.50	82.60	90.60	99.00
Total Input (KW)	14.90	17.40	19.60	23.20	27.00	33.40	38.40	43.40	47.90	50.40	55.20	60.40
Total COP/EER at 100%	0.80	0.90	0.90	0.90	0.90	0.80	0.80	0.80	0.80	0.80	0.80	0.90
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 = Minus 40°C / Minus 35°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) AllCST Series Models **AWCRM4009 to AWCRM4025** equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

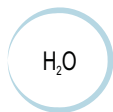
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM40**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWCRM40) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 40 degree C

Model Number	AWCRM40 13	AWCRM40 14	AWCRM40 15	AWCRM40 16	AWCRM40 17	AWCRM40 18	AWCRM40 19	AWCRM40 20	AWCRM40 21	AWCRM40 22	AWCRM40 23	AWCRM40 24	AWCRM40 25
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)												
Nominal Cooling Capacity (TR)	15.76	18.74	19.80	21.90	23.32	24.10	28.36	31.15	33.45	37.40	46.80	55.10	62.44
Nominal Cooling Capacity (KW)	55.40	65.90	69.60	77.00	82.00	84.70	99.70	109.50	117.60	131.40	164.50	193.70	219.50
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	107.90	127.70	134.90	149.70	159.00	166.40	193.10	212.10	226.60	402.20	317.90	372.50	420.90
Total Input (KW)	65.80	77.90	82.20	91.40	97.00	101.40	117.70	129.40	138.20	153.80	193.80	227.10	406.60
Total COP/EER at 100%	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.90	0.90	0.80	0.90	0.90
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 = Minus 40°C / Minus 35°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) All CST Series Models **AWCRM4009 to AWCRM4025** equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

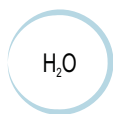
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM40**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWCRM45) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 45 degree C

Model Number	AWCRM45 01	AWCRM45 02	AWCRM45 03	AWCRM45 04	AWCRM45 05	AWCRM45 06	AWCRM45 07	AWCRM45 08	AWCRM45 09	AWCRM45 10	AWCRM45 11	AWCRM45 12
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)											
Nominal Cooling Capacity (KW)	2.67	3.18	3.61	4.26	5.00	6.00	6.97	7.85	8.67	9.16	10.00	11.00
Nominal Cooling Capacity (KW)	9.40	11.20	12.70	15.00	17.60	21.40	24.50	27.60	40.50	32.20	40.20	38.80
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	21.90	40.40	28.80	34.10	39.70	49.10	56.50	63.60	70.40	73.90	81.10	88.70
Total Input (KW)	13.40	15.40	17.60	20.80	24.20	40.00	34.40	28.80	42.90	45.10	49.50	54.10
Total COP/EER at 100%	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Number of refrigerant circuits	1											
Power Supply (V/Ph/Hz)	400/3/50											

Data referred to the following conditions:

- Internal exchanger (Evaporator) Brine/Glycol Temperature = Minus 25°C / Minus 20°C; External exchanger (Condenser) water Temperature = 40/35°C;
- CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- All CST Series Models **AWCRM4509 to AWCRM4025** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- For Dimensions & Weight contact Flamingo Chillers

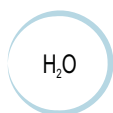
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM45**

technical data

Flamingo Chillers: Compact Screw Technology (CST AWC RM45) Series Screw Chillers

Technical Specifications: R-404A / R-507A Refrigerant @ Chilled Brine/Glycol temperature of minus 45 degree C

Model Number	AWCRM45 13	AWCRM45 14	AWCRM45 15	AWCRM45 16	AWCRM45 17	AWCRM45 18	AWCRM45 19	AWCRM45 20	AWCRM45 21	AWCRM45 22	AWCRM45 23	AWCRM45 24	AWCRM45 25
Refrigerant	R-404A (CFC Free) / R -507A (CFC Free)												
Nominal Cooling Capacity (KW)	11.92	14.16	14.96	16.55	17.63	18.22	21.45	23.55	40.29	28.39	40.39	41.67	47.20
Nominal Cooling Capacity (KW)	41.90	49.80	52.60	58.20	62.00	64.10	75.40	82.80	88.90	99.40	124.40	146.50	165.90
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	96.60	114.40	120.80	134.10	142.40	149.00	172.90	189.90	202.90	240.80	284.70	333.50	376.80
Total Input (KW)	58.90	69.70	73.60	81.70	86.80	90.90	105.40	115.80	123.70	137.70	173.50	203.40	229.70
Total COP/EER at 100%	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
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 25°C / Minus 20°C; External exchanger (Condenser) water Temperature = 40/35°C;
- (2) CST Series = Compact Screw Technology for Industrial Process cooling/refrigeration suitable for low temperature brine/glycol cooling
- (3) All CST Series Models **AWCRM4509 to AWC RM4025** equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

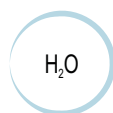
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-404A



Refrig. R-507A



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

**CST Series
AWCRM45**



Flamingo Chillers

Z-51, Okhla Industrial Estate, Phase-II, New Delhi - 110020 - INDIA

Tel. : +91 11 41610234 - info@flamingochillers.com

Flamingo Chillers

Z-52, Okhla Industrial Estate, Phase-II, New Delhi - 110020 - INDIA

Tel. : +91 11 41610235 - info@flamingochillers.com