

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



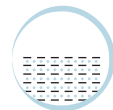
Cold Water



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

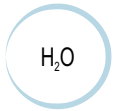
Condensation

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: CST (CWCRM15) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 15 degree C

Model Number	CWCRM15 01	CWCRM15 02	CWCRM15 03	CWCRM15 04	CWCRM15 05	CWCRM15 06	CWCRM15 07	CWCRM15 08	CWCRM15 09	CWCRM15 10	CWCRM15 11	CWCRM15 12
Refrigerant	R-22											
Nominal Cooling Capacity (TR)	11.46	13.88	15.76	18.66	21.85	26.49	30.41	34.25	37.89	40.79	44.63	48.30
Nominal Cooling Capacity (KW)	40.30	48.80	55.40	65.60	76.80	93.10	106.90	120.40	133.20	143.40	156.90	169.80
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	29.00	34.40	39.00	46.20	54.20	64.80	74.50	81.40	89.00	95.00	104.60	114.10
Total Input (KW)	17.70	20.90	23.80	28.20	33.00	39.50	45.40	49.60	54.30	57.90	63.80	69.60
Total COP/EER at 100%	2.30	2.30	2.30	2.30	2.30	2.40	2.40	2.40	2.50	2.50	2.50	2.40
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 15°C / Minus 10°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 **CWCRM15 09to CWCRM15 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

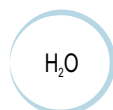
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM15**

technical data

Flamingo Chillers: CST (CWCRM15) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 15 degree C

Model Number	CWCRM15 13	CWCRM15 14	CWCRM15 15	CWCRM15 16	CWCRM15 17	CWCRM15 18	CWCRM15 19	CWCRM15 20	CWCRM15 21	CWCRM15 22	CWCRM15 23	CWCRM15 24	CWCRM15 25
Refrigerant	R-22												
Nominal Cooling Capacity (TR)	53.17	63.84	66.82	73.17	79.23	82.27	95.81	105.23	112.35	126.62	155.22	182.87	212.12
Nominal Cooling Capacity (KW)	186.90	224.40	234.90	257.20	278.50	289.20	336.80	369.90	394.90	445.10	545.60	642.80	745.60
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	126.90	147.40	155.60	168.60	181.40	187.30	215.80	239.30	254.20	285.80	347.70	405.40	467.90
Total Input (KW)	77.40	89.80	94.90	102.80	110.60	114.20	131.50	145.90	154.90	174.20	212.00	247.10	285.30
Total COP/EER at 100%	2.40	2.50	2.50	2.50	2.50	2.50	2.60	2.50	2.50	2.60	2.60	2.60	2.60
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 15°C / Minus 10°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 **CWCRM15 09to CWCRM15 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

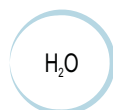
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM15**

technical data

Flamingo Chillers: CST (CWCRM20) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 20 degree C

Model Number	CWCRM20 01	CWCRM20 02	CWCRM20 03	CWCRM20 04	CWCRM20 05	CWCRM20 06	CWCRM20 07	CWCRM20 08	CWCRM20 09	CWCRM20 10	CWCRM20 11	CWCRM20 12
Refrigerant	R-22											
Nominal Cooling Capacity (TR)	8.99	10.89	12.35	14.60	17.00	20.74	23.84	28.00	31.00	33.45	36.58	39.60
Nominal Cooling Capacity (KW)	31.60	38.30	43.40	51.30	60.10	72.90	83.80	98.70	109.20	117.60	128.60	139.20
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	28.00	33.30	37.70	44.70	52.40	62.70	72.10	78.70	86.20	92.00	101.20	110.40
Total Input (KW)	17.10	20.30	23.00	27.30	32.00	38.30	43.90	48.00	52.50	56.10	61.70	67.30
Total COP/EER at 100%	1.80	1.90	1.90	1.90	1.90	1.90	1.90	2.10	2.10	2.10	2.10	2.10
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 20°C / Minus 15°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 **CWCRM20 09 to CWCRM20 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

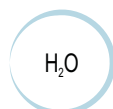
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM20**

technical data

Flamingo Chillers: CST (CWCRM20) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 20 degree C

Model Number	CWCRM20 C 13	CWCRM20 C 14	CWCRM20 C 15	CWCRM20 C 16	CWCRM20 C 17	CWCRM20 C 18	CWCRM20 C 19	CWCRM20 C 20	CWCRM20 C 21	CWCRM20 C 22	CWCRM20 C 23	CWCRM20 C 24	CWCRM20 C 25
Refrigerant	R-22												
Nominal Cooling Capacity (TR)	43.61	51.89	54.79	60.00	64.97	67.45	78.57	86.29	92.11	103.84	127.28	150.00	173.94
Nominal Cooling Capacity (KW)	153.30	182.40	192.60	210.90	228.40	237.10	276.20	303.30	323.80	365.00	447.40	527.10	611.40
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	122.80	142.60	150.60	163.20	175.60	181.30	208.80	231.70	246.00	276.60	336.50	392.30	452.90
Total Input (KW)	74.90	87.00	91.80	99.50	107.10	110.50	127.30	141.20	150.00	168.60	205.20	239.20	276.10
Total COP/EER at 100%	2.00	2.10	2.10	2.10	2.10	2.10	2.20	2.10	2.00	2.20	2.20	2.20	2.20
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 20°C / Minus 15°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 **CWCRM20 09 to CWCRM20 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

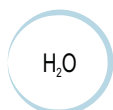
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM20**

technical data

Flamingo Chillers: CST (CWCRM25) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 25 degree C

Model Number	CWCRM25 01	CWCRM25 02	CWCRM25 03	CWCRM25 04	CWCRM25 05	CWCRM25 06	CWCRM25 07	CWCRM25 08	CWCRM25 09	CWCRM25 10	CWCRM25 11	CWCRM25 12
Refrigerant	R-22											
Nominal Cooling Capacity (TR)	7.11	8.64	9.79	11.58	13.57	16.47	18.92	21.33	23.61	25.43	27.82	30.00
Nominal Cooling Capacity (KW)	25.00	30.40	34.40	40.70	47.70	57.90	66.50	75.00	83.00	89.40	97.80	105.80
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	27.20	32.20	36.50	43.30	50.80	60.80	69.80	76.30	83.50	89.10	98.10	107.00
Total Input (KW)	16.60	19.60	22.30	26.40	31.00	37.10	42.60	46.50	50.90	54.30	59.80	65.20
Total COP/EER at 100%	1.50	1.50	1.50	1.50	1.50	1.60	1.60	1.60	1.60	1.60	1.60	1.60
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 **CWCRM25 09 to CWCRM25 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

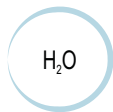
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM25**

technical data

Flamingo Chillers: CST (CWCRM25) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 25 degree C

Model Number	CWCRM25 13	CWCRM25 14	CWCRM25 15	CWCRM25 16	CWCRM25 17	CWCRM25 18	CWCRM25 19	CWCRM25 20	CWCRM25 21	CWCRM25 22	CWCRM25 23	CWCRM25 24	CWCRM25 25
Refrigerant	R-22												
Nominal Cooling Capacity (TR)	33.11	39.46	41.65	45.63	49.45	51.35	59.83	65.69	70.16	79.00	96.96	114.31	132.60
Nominal Cooling Capacity (KW)	116.40	138.70	146.40	160.40	173.80	180.50	210.30	230.90	246.60	277.90	340.80	401.80	466.10
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	119.00	138.20	145.90	158.00	170.10	175.60	202.30	224.40	238.30	267.90	326.00	380.00	438.70
Total Input (KW)	72.50	84.20	88.90	96.30	103.70	107.00	123.30	136.80	145.30	163.40	198.70	231.70	267.40
Total COP/EER at 100%	1.60	1.60	1.60	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70	1.70
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 **CWCRM25 09to CWCRM25 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

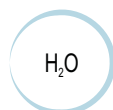
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM25**

technical data

Flamingo Chillers: CST (CWCRM30) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 30 degree C

Model Number	CWCRM30 01	CWCRM30 02	CWCRM30 03	CWCRM30 04	CWCRM30 05	CWCRM30 06	CWCRM30 07	CWCRM30 08	CWCRM30 09	CWCRM30 10	CWCRM30 11	CWCRM30 12
Refrigerant	R-22											
Nominal Cooling Capacity (TR)	5.52	6.71	7.62	9.00	10.55	12.80	14.71	16.61	18.38	19.80	21.65	23.44
Nominal Cooling Capacity (KW)	19.40	23.60	26.80	31.70	37.10	45.00	51.70	58.40	64.60	69.60	76.10	82.40
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	26.30	31.20	35.40	41.90	49.10	58.80	67.50	73.80	80.80	86.20	94.90	103.50
Total Input (KW)	16.00	19.00	21.60	25.50	30.00	35.80	41.20	45.00	49.20	52.50	57.80	63.10
Total COP/EER at 100%	1.20	1.20	1.20	1.20	1.20	1.30	1.30	1.30	1.30	1.30	1.30	1.30
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 **CWCRM30 09 to CWCRM30 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

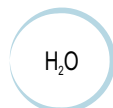
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM30**

technical data

Flamingo Chillers: CST (CWCRM30) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 30 degree C

Model Number	CWCRM30 13	CWCRM30 14	CWCRM30 15	CWCRM30 16	CWCRM30 17	CWCRM30 18	CWCRM30 19	CWCRM30 20	CWCRM30 21	CWCRM30 22	CWCRM30 23	CWCRM30 24	CWCRM30 25
Refrigerant	R-22												
Nominal Cooling Capacity (TR)	25.77	30.73	32.46	35.56	38.52	40.00	46.66	51.20	54.68	61.65	75.62	89.16	103.36
Nominal Cooling Capacity (KW)	90.60	108.00	114.10	125.00	135.40	140.70	164.00	180.00	192.20	216.70	265.80	313.40	363.60
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	115.10	133.60	141.10	152.90	164.50	169.80	195.70	217.00	230.50	259.20	315.30	367.60	424.30
Total Input (KW)	70.20	81.50	86.00	93.20	100.30	103.50	119.30	132.30	140.50	158.00	192.20	224.10	258.70
Total COP/EER at 100%	1.30	1.30	1.30	1.30	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40	1.40
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 **CWCRM30 09 to CWCRM30 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

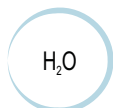
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM30**

technical data

Flamingo Chillers: CST (CWCRM35) Series Water Cooled Screw Chiller

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 35 degree C

Model Number	CWCRM35 01	CWCRM35 02	CWCRM35 03	CWCRM35 04	CWCRM35 05	CWCRM35 06	CWCRM35 07	CWCRM35 08	CWCRM35 09	CWCRM35 10	CWCRM35 11	CWCRM35 12
Refrigerant	R-22											
Nominal Cooling Capacity (TR)	4.18	5.00	5.74	6.80	7.93	9.64	11.00	12.52	13.85	14.94	16.33	17.67
Nominal Cooling Capacity (KW)	14.70	17.80	20.20	23.90	27.90	33.90	39.00	44.00	48.70	52.50	57.40	62.10
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	24.10	28.80	32.70	38.70	45.40	54.50	62.70	69.30	76.10	81.50	89.50	97.40
Total Input (KW)	14.70	17.60	19.90	23.60	27.70	33.30	38.20	42.20	46.40	49.70	54.60	59.40
Total COP/EER at 100%	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.10	1.10	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 **CWCRM35 09 to CWCRM35 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

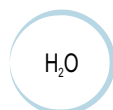
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM35**

technical data

Flamingo Chillers: CST (CWCRM35) Series Water Cooled Screw Chiller

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 35 degree C

Model Number	CWCRM35 13	CWCRM35 14	CWCRM35 15	CWCRM35 16	CWCRM35 17	CWCRM35 18	CWCRM35 19	CWCRM35 20	CWCRM35 21	CWCRM35 22	CWCRM35 23	CWCRM35 24	CWCRM35 25
Refrigerant	R-22												
Nominal Cooling Capacity (TR)	19.43	23.15	24.47	26.80	29.0	30.16	35.11	38.57	41.14	46.37	56.90	67.14	77.89
Nominal Cooling Capacity (KW)	68.30	81.40	86.00	94.20	102.00	106.00	123.40	135.60	144.60	163.00	200.00	236.00	273.80
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	107.90	126.50	133.50	145.30	156.80	162.20	190.00	207.40	223.80	251.60	306.10	356.90	412.00
Total Input (KW)	65.80	77.10	81.40	88.60	95.60	98.90	115.80	126.40	136.40	153.40	186.60	217.60	251.20
Total COP/EER at 100%	1.00	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
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 **CWCRM35 09 to CWCRM35 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

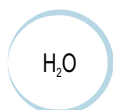
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM35**

technical data

Flamingo Chillers: CST (CWCRM40) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 40 degree C

Model Number	CWCRM40 01	CWCRM40 02	CWCRM40 03	CWCRM40 04	CWCRM40 05	CWCRM40 06	CWCRM40 07	CWCRM40 08	CWCRM40 09	CWCRM40 10	CWCRM40 11	CWCRM40 12
Refrigerant	R-22											
Nominal Cooling Capacity (TR)	2.95	3.58	4.00	4.80	5.63	6.82	7.85	8.88	9.82	10.58	11.58	12.52
Nominal Cooling Capacity (KW)	10.40	12.60	14.30	16.90	19.80	24.00	27.60	31.20	34.50	37.20	40.70	44.00
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	21.90	26.20	29.70	35.10	41.20	49.50	56.90	62.90	69.10	74.00	81.20	88.40
Total Input (KW)	13.30	16.00	18.10	21.40	25.10	30.20	34.70	38.30	42.10	45.10	49.50	53.90
Total COP/EER at 100%	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80
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 **CWCRM40 09 to CWCRM40 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

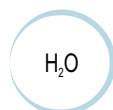
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM40**

technical data

Flamingo Chillers: CST (CWCRM40) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 40 degree C

Model Number	CWCRM40 13	CWCRM40 14	CWCRM40 15	CWCRM40 16	CWCRM40 17	CWCRM40 18	CWCRM40 19	CWCRM40 20	CWCRM40 21	CWCRM40 22	CWCRM40 23	CWCRM40 24	CWCRM40 25
Refrigerant	R-22												
Nominal Cooling Capacity (TR)	13.77	16.42	17.35	19.00	20.63	21.42	24.98	27.40	29.27	33.00	40.48	47.77	55.42
Nominal Cooling Capacity (KW)	48.40	57.70	61.00	66.90	72.40	75.30	87.80	96.30	102.90	116.00	142.30	167.90	194.80
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	97.90	114.70	121.20	131.80	142.20	147.10	170.20	188.00	200.10	225.20	274.70	321.60	371.90
Total Input (KW)	59.70	70.00	73.90	80.30	86.70	89.70	103.70	114.60	122.00	137.30	167.50	196.10	226.80
Total COP/EER at 100%	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	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 **CWCRM40 09 to CWCRM40 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

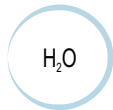
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM40**

technical data

Flamingo Chillers: CST (CWCRM45) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 45 degree C

Model Number	CWCRM45 01	CWCRM45 02	CWCRM45 03	CWCRM45 04	CWCRM45 05	CWCRM45 06	CWCRM45 07	CWCRM45 08	CWCRM45 09	CWCRM45 10	CWCRM45 11	CWCRM45 12
Refrigerant	R-22											
Nominal Cooling Capacity (TR)	2.13	2.59	2.93	3.47	4.04	4.92	5.66	6.40	7.11	7.68	8.39	9.00
Nominal Cooling Capacity (KW)	7.50	9.10	10.30	12.20	14.20	17.30	19.90	22.50	25.00	27.00	29.50	31.80
Compressor Motor (HP)	24	29	32	38	45	54	62	68	74	79	87	95
Current (Amperes)	20.10	24.00	27.30	32.30	37.90	45.50	52.30	57.70	63.40	67.90	74.60	81.10
Total Input (KW)	12.30	14.70	16.60	19.70	23.10	27.70	31.90	35.20	38.70	41.40	45.50	49.40
Total COP/EER at 100%	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.60	0.70	0.60	0.60
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 45°C / Minus 40°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 **CWCRM45 09 to CWCRM45 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

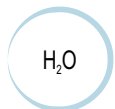
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM45**

technical data

Flamingo Chillers: CST (CWCRM45) Series Water Cooled Screw Chillers

Technical Specifications: R-22 Refrigerant @ Chilled Brine/Glycol temperature of minus 45 degree C

Model Number	CWCRM45 13	CWCRM45 14	CWCRM45 15	CWCRM45 16	CWCRM45 17	CWCRM45 18	CWCRM45 19	CWCRM45 20	CWCRM45 21	CWCRM45 22	CWCRM45 23	CWCRM45 24	CWCRM45 25
Refrigerant	R-22												
Nominal Cooling Capacity (TR)	9.96	11.89	12.57	13.79	14.94	15.53	18.15	19.89	21.25	23.95	29.42	34.73	40.31
Nominal Cooling Capacity (KW)	35.00	41.80	44.20	48.50	52.50	54.60	63.80	69.90	74.70	84.20	103.40	122.10	141.70
Compressor Motor (HP)	106	123	129	140	151	156	180	199	212	238	294	244	390
Current (Amperes)	89.90	105.30	111.20	120.90	130.40	134.90	156.00	172.40	183.50	206.50	251.90	294.80	340.80
Total Input (KW)	54.80	64.20	67.80	73.70	79.50	82.20	95.10	105.10	111.80	125.90	153.50	179.70	207.80
Total COP/EER at 100%	0.60	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 45°C / Minus 40°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 **CWCRM45 09 to CWCRM45 25** are equipped with Advanced Magnum Step – less capacity microprocessor controller & Electronic expansion valve.
- (4) For Dimensions & Weight contact Flamingo Chillers

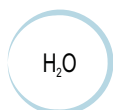
Functions & Features



PLC Cont.



Cooling Only



Water Cooled



Indoor Inst.



Refrig. R-22



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
CWCRM45**