Industrial Frigo USA
CRITICAL SOLUTION LINE



DATA CENTER COOLING

FACILITY-TO-CHIP
INTEGRATION
MODULARITY
SERVICE CAPABILITY

ONE SYSTEM.
MULTIPLE COOLING STRATEGIES.

Integrated solutions for enterprise,
colocation & high-density data centers

Industrial Frigo USA
CRITICAL SOLUTION LINE

A SINGLE PARTNER FOR THE USA MARKET

Industrial Frigo North America strengthens our presence in the United States, bringing Italian engineering, advanced cooling technology and local support closer to our customers.

Industrial Frigo brings decades of industrial cooling expertise to this critical sector, developing solutions engineered around the specific thermal requirements of modern data center infrastructure.

From centralized chilled-water production to dedicated cooling loops and customized configurations, our approach integrates industrial-grade engineering with flexible system architecture, supporting projects from initial design through commissioning and after sales service.

Data centers are among the most demanding environments for thermal management. Continuous operation, increasing computing density and rapidly evolving infrastructures require cooling systems capable of combining reliability, precise temperature control, energy efficiency and operational continuity.

COOLING THE DIGITAL INFRASTRUCTURE OF TOMORROW



FROM COOLING GENERATION TO
THE DATA CENTER.
ONE PARTNER.
ONE COMPLETE SOLUTION.

THE CHALLENGE

AN INTEGRATED
INDUSTRIAL FRIGO SOLUTION

DATA CENTER DEVELOPMENT

HIGHER THERMAL DENSITY

AI and GPU racks generate significantly higher heat loads than traditional data center infrastructure.

HIGHER EFFICIENCY

Reduce PUE and maximize free-cooling hours.

HIGHER CONTINUITY

Redundancy, maintainability and control become critical.

HIGHER FLEXIBILITY

Hybrid air + liquid cooling architectures enable modular growth.

SEASONAL EFFICIENCY

Integrated free-cooling technology designed to maximize seasonal energy efficiency and reduce cooling energy consumption whenever ambient conditions allow.

MODULAR SCALABILITY

Flexible and scalable cooling architecture, suitable for installations ranging from a few racks to large-scale, multi-pod data center campuses.

SERVICEABILITY

Engineered for simplified inspection and maintenance procedures, supporting high system availability and maximum operational uptime.

From facility cooling to high-density IT: a coordinated thermal architecture designed around the requirements of each data center. Designed for traditional rooms, AI pods and hybrid or full liquid-cooling architectures.



01.

FREE-COOLING CHILLER / CHILLER

High-efficiency chilled-water generation with integrated free-cooling.

Industrial Frigo supply

02.

IF DC - CDU

Controlled hydraulic interface between facility and technology cooling loops.

Industrial Frigo supply

MANIFOLD POD DISTRIBUTION

Controlled coolant distribution across individual pods.

Client

AI GPU RACKS

High-density liquid-cooled computing infrastructure.

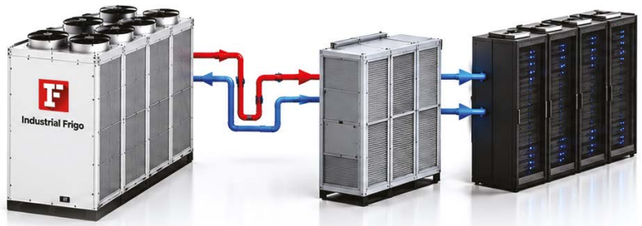
Client

DATA CENTER

STANDARD ARCHITECTURES FOR DATA CENTERS

FWS → CHILLER → CDU →TCS→RACK

Three Industrial Frigo approaches for traditional data halls, hybrid environments and AI liquid-cooled pods.



01.

TRADITIONAL AIR COOLING

Proven solution for enterprise data centers and colocation.

SYSTEM ARCHITECTURE

- Free-Cooling chiller Industrial Frigo supply
- CRAH (room air cooling)
- Server room

APPLICATION & BENEFITS

- Enterprise and colocation data halls
- Traditional chilled-water cooling
- Gradual upgrade capability



02.

HYBRID HIGH-DENSITY

Integrated air and liquid cooling.

SYSTEM ARCHITECTURE

- Free-Cooling chiller Industrial Frigo supply
- CDU (for high-density zones) Industrial Frigo supply
- Liquid-cooled racks (hot zones)
- CRAH (for standard zones)
- Standard IT racks (air cooled)

APPLICATION & BENEFITS

- Air + liquid cooling in the same data hall
- Ideal for AI transition
- Modular load management



03.

AI / LIQUID-COOLED Direct-to-chip (D2C)

Dedicated architecture for AI and HPC infrastructure at very high density.

SYSTEM ARCHITECTURE

- Free-cooling chiller Industrial Frigo supply
- CDU Industrial Frigo supply
- Manifold (distribution)
- D2C AI racks (liquid cooled)

APPLICATION & BENEFITS

- For high-density GPU racks
- Maximum free-cooling operating hours
- Scalable from pod to campus

ONE PLATFORM. THREE COOLING ARCHITECTURES.

Industrial Frigo can support all three architectures,

with a particular competitive advantage in hybrid and liquid cooling solutions for AI.

MODULAR INSTALLATION

Reliable cooling for critical infrastructure







Designed for performance and long-term operation





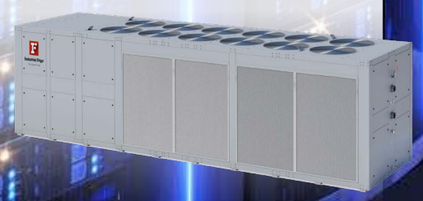


COOLING SOLUTIONS

A COMPLETE RANGE MAXIMUM FLEXIBILITY

IF DC SIRE

ENERGY SAVING
INTEGRATED COOLING
SYSTEM



IF DC GH1A

AIR-COOLED
WATER CHILLERS



IF DC GN1A

AIR-COOLED
WATER CHILLERS



IF DC IFGA

AIR-COOLED
WATER CHILLERS



CDU

COOLANT DISTRIBUTION
UNIT



DATA CENTER COOLING SOLUTIONS

PRODUCT RANGE

Industrial Frigo USA
CRITICAL SOLUTION LINE

IF DC SIRE

INTEGRATED FREE-COOLING CHILLER
FOR HIGH-TEMPERATURE
CHILLED-WATER SYSTEMS

COOLING
FOR A MORE
RESILIENT
TOMORROW



IF DC-FC / SIRE

FREE-COOLING CHILLER

01 — PERFORMANCE

EXCELLENT PART-LOAD PERFORMANCE

Efficient operation across a wide load range.

HIGH SEASONAL EFFICIENCY

Optimized efficiency across changing loads and ambient conditions.

02 — ENERGY

MAXIMIZED ENERGY SAVINGS (ΔT)

Optimized operation to maximize energy savings through higher supply/return temperature differential.

03 — RELIABILITY & INTEGRATION

OPERATIONAL CONTINUITY

Designed to maintain reliable cooling under changing operating conditions.

EASY INTEGRATION WITH CDU & LIQUID COOLING

Straightforward integration with CDU-based and liquid-cooling architectures.

From facility cooling to high-density IT: a coordinated thermal architecture designed around the requirements of each data center.

MAXIMIZING ENERGY SAVING FOR A COOLER TOMORROW

ENTERPRISE

COLOCATION

AI PODS

HYBRID ARCHITECTURES

LIQUID COOLING

SUSTAINABLE COOLING FOR NEXT GENERATION DATA CENTERS.



PRODUCT
RANGE IF DC-FC/ SIRE

Cooling capacity for different data center scales and configurations.

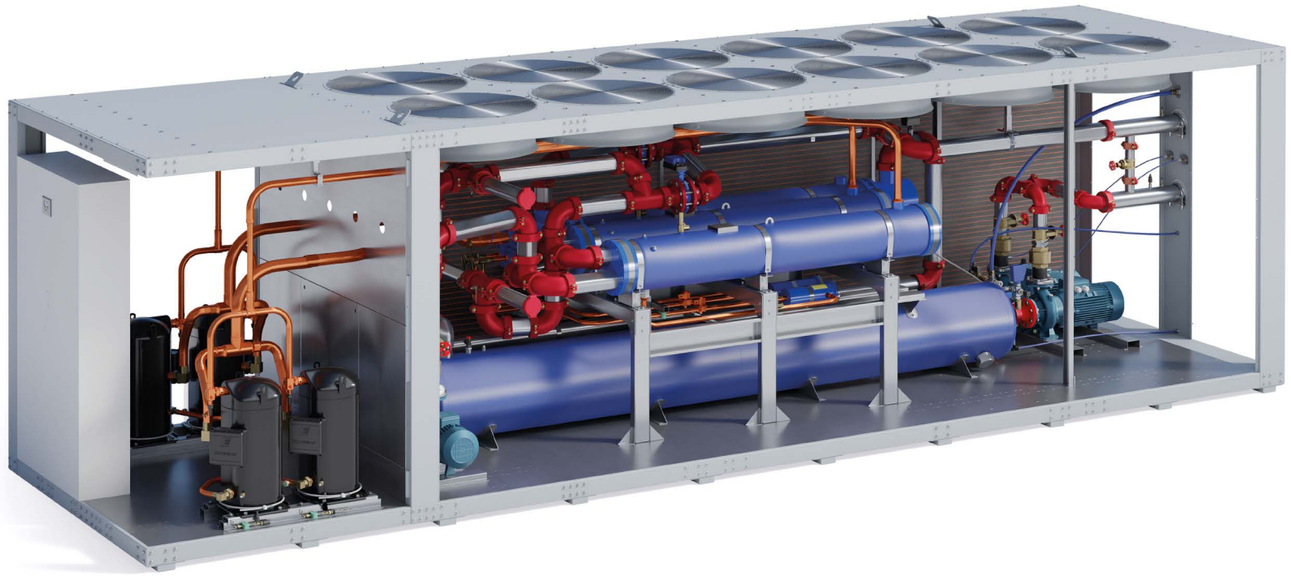
	FREE-COOLING CHILLER SIRE / DC Nominal Capacity 20°C water supply / 25°C ambient	USE CASE Data center application
01.	**490/1400 kW**	**ENTERPRISE / SINGLE HALL**
02.	**960/2000 kW**	**LARGE HALL / POD CLUSTER**

KEY STRENGTHS

HIGH-EFFICIENCY FINNED CONDENSERS	**INDEPENDENT REFRIGERATION CIRCUITS**	**SHELL & TUBE EVAPORATOR**
HIGH-EFFICIENCY SCROLL COMPRESSORS	**EC FANS**	**HIGH EFFICIENCY PUMP**

FROM SINGLE HALL
TO MULTI-POD CAMPUS

The IF DC / SIRE range provides different cooling capacities to address enterprise, large-hall and multi-pod data center applications.



SIRE RANGE

490/1400 ECO4 · 960/2000 ECO4

THERMAL PERFORMANCE AND GENERAL SPECIFICATIONS

Technical Parameter	UNIT	SIRE 490/1400	960/2000
01. COOLING PERFORMANCE			
Cooling Capacity – Water out +20 °C / Air +25 °C	kW	483	966
Cooling Capacity – Water out +20 °C / Air +25 °C	kcal/h	415.380	830.760
Efficiency (COP)	kW/kW	6.2	6.2
02. REFRIGERATION & AIR SIDE			
Compressors (Scroll)	quantity	4	8
Refrigerant Circuit	quantity	2	4
Fans	quantity	12	24
03. HYDRAULIC DATA			
Pump Flow Rate	l/min	1.404	2.700
Pressure Pump	bar	3.0 ÷ 3.5	3.0 ÷ 3.5
Ø Connections	inches/DN	4”	DN125/150
Capacity Tank “C”	l	2.200	3.100
04. PHYSICAL DIMENSIONS			
Length	mm	10,000	13,000
Width	mm	2,150	2,150
Height	mm	2,250	2,350

SIRE is a sophisticated single-temperature process-water cooling system with fully automatic built-in freecooling. It can operate in ambient temperatures ranging from + 45 °C to -25 °C.
SIRE is available in a water-cooled version paired with a Free Cooling system enabling high performance refrigeration cycles and the production of cold water with significant energy saving in medium to cold seasons.

TECHNICAL DATASHEET
ENERGY SAVING INTEGRATED COOLING SYSTEM



ECO-4

R1234ze

GWP: 1
Class: A2L
(Low flammability)

UE 2024/573

ECO-5

R515B

GWP: 293
Class: A1
(Non-flammable)

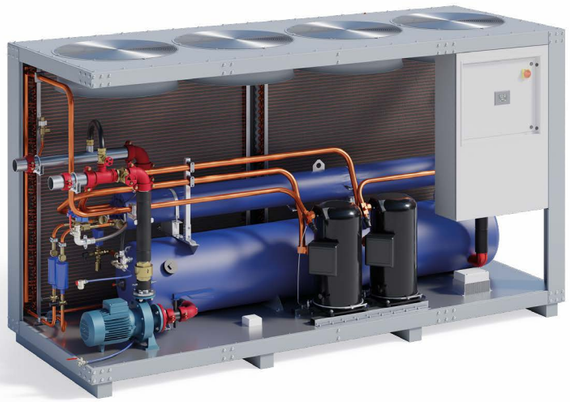
UE 2024/573

OPERATING MODES
FROM COLD TO HOT

INTELLIGENT OPERATION FOR MAXIMUM EFFICIENCY UNDER VARYING AMBIENT CONDITIONS.



COLD
LOW AMBIENT TEMPERATURE



HOT
HIGH AMBIENT TEMPERATURE

100% FREE COOLING
Fans and pumps only under the most favorable conditions.

FREE COOLING 100%

COMPRESSORS OFF

MECHANICAL COOLING
Maximum capacity under the most demanding conditions

FREE COOLING OFF

COMPRESSORS ON

CUSTOMER BENEFITS

MORE HOURS OF EFFICIENT OPERATION
REDUCED ELECTRICAL CONSUMPTION
LOWER COMPRESSOR STRESS
SUPPORT FOR IMPROVED PUE TARGETS

EXTENDING THE FREE-COOLING WINDOW

A +5 K ADVANTAGE

FREE-COOLING ACTIVATION CONDITION

$$T_{ambient} < T_{set\text{-}point} - \mathbf{+5\ K}$$

EXAMPLE WITH A +20°C WATER SET-POINT

+20°C → **+15°C**

WATER SET-POINT

FREE-COOLING ACTIVATION

Only 5K below the chilled-water set-point.

MARKET BENCHMARK:

ACTIVATION AT ΔT= 10-12 K

New Industrial Frigo family for AI, HPC and liquid cooling.

Standard systems require twice the temperature differential to activate free-cooling.

The market benchmark remains in mechanical cooling mode down to outdoor temperatures of +8°C / +10°C.

+8°C	+10°C	+15°C	+20°C
MARKET BENCHMARK (start)	MARKET BENCHMARK (start)	SIRE (start)	CHILLED-WATER SET-POINT

+5 K WIDER OPERATING WINDOW

STRATEGIC AND ENERGY IMPACT

+5 K WIDER CLIMATE WINDOW

Greater Free Cooling operation during shoulder seasons and summer nights.

REDUCED COMPRESSOR ENERGY CONSUMPTION

Reduced compressor operation can contribute to improved PUE through earlier free-cooling activation.

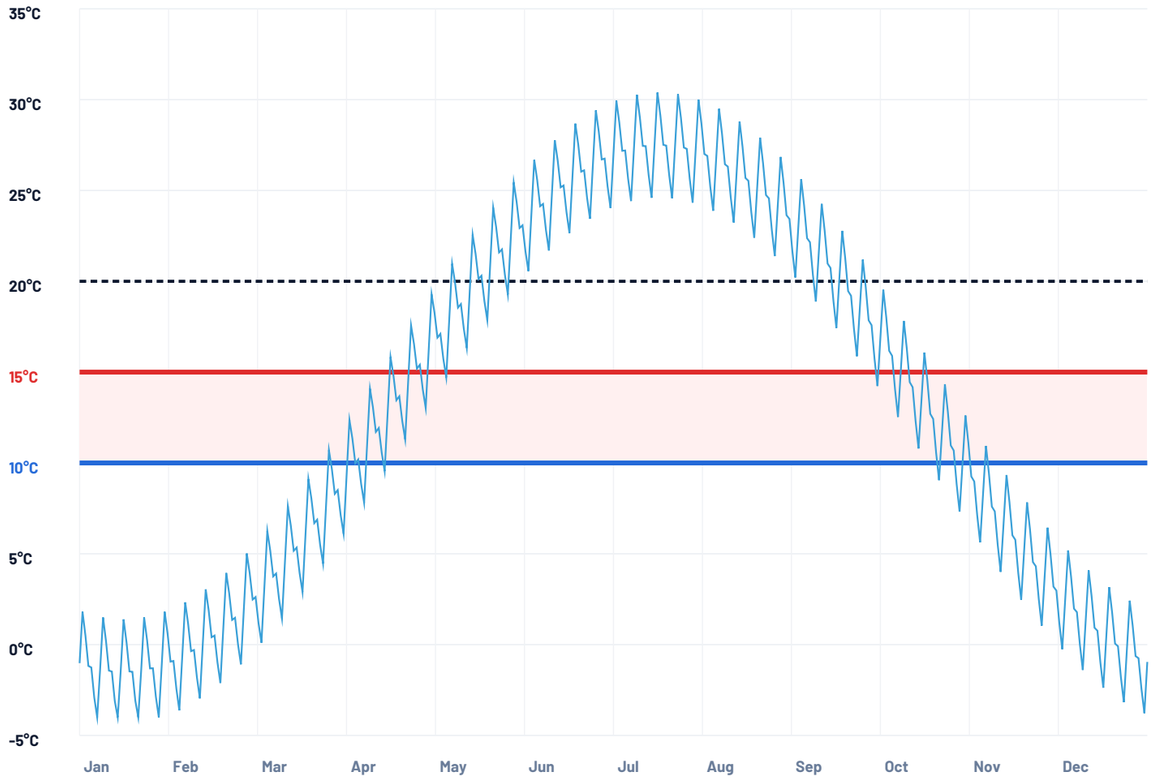
MAXIMUM OPERATIONAL FLEXIBILITY

Optimized cooling load and reduced wear of mechanical components.

EXTENDING THE FREE-COOLING WINDOW

A +5 K ADVANTAGE

SYSTEM ENGINEERING - CLIMATE ANALYSIS LONDON **ANUAL HOURLY PROFILE (8,760 H)**



OUR SOLUTION (Δ5K) **+15°C**

Earlier activation with only a 5K differential

Free cooling active for up to 7,120 hours/year
(81% of the year in London with compressors off).

MARKET BENCHMARK (Δ10K) **+10°C**

Requires much lower temperatures

Operational only below +10°C / +8°C (~4,950 hours/year).
Compressors remain on during shoulder seasons.

ANNUAL NET GAIN

+2,170 h in Pure Free Cooling

+25% of total annual operating time with no mechanical cooling power consumption.

~80%

Annual Coverage in London

More than 7,000 hours per year in London operate below +15°C.

+2,100 h

Extra Hours with Compressors Off

Extended coverage during shoulder seasons and summer nights.

-35%

Overall Energy Consumption

Dramatic reduction in PUE and lower mechanical wear.

--- Water Set-Point (+20°C) — Market Benchmark (+10°C | Δ10K) — Our Solution (+15°C | Δ5K) Hours Gained Band (+5K) Activation condition: T_amb < T_set-point - 5K

Industrial Frigo USA
CRITICAL SOLUTION LINE

IF DC GH1A

AIR-COOLED WATER CHILLERS

COOLING
FOR A MORE
RESILIENT
TOMORROW



Industrial Frigo USA
CRITICAL SOLUTION LINE

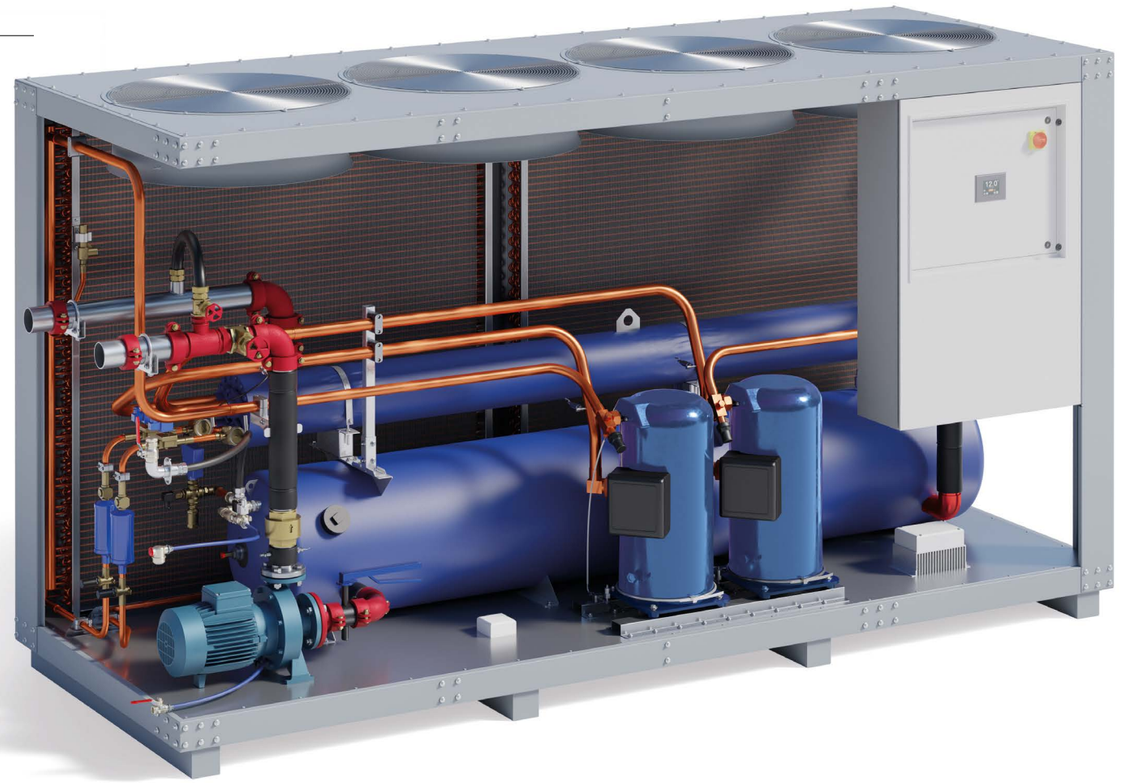
PRODUCT
RANGE IF DC-FC/ GH1A C/V

Cooling capacity for different data center scales and configurations.

	CHILLER GH1A C/V Nominal Capacity 20°C water supply / 25°C ambient	USE CASE Data center application
01.	**570 kW**	**ENTERPRISE / SINGLE HALL**
02.	**1100 kW**	**LARGE HALL / POD CLUSTER**
03.	**1400 kW**	**CAMPUS / MULTI - POD**

KEY STRENGTHS

HIGH-EFFICIENCY FINNED CONDENSERS	**INDEPENDENT REFRIGERATION CIRCUITS**	**SHELL & TUBE EVAPORATOR**
HIGH-EFFICIENCY SCROLL COMPRESSORS	**EC FANS**	**HIGH EFFICIENCY DOUBLE PUMP**



FROM SINGLE HALL
TO MULTI-POD CAMPUS

The IF DC / CHILLER range provides different cooling capacities to address enterprise, large-hall and multi-pod data center applications.

GH1A C/V RANGE

570 · 1100 · 1400

THERMAL PERFORMANCE AND GENERAL SPECIFICATIONS

Technical Parameter	UNIT	GH1A 570	GH1A 1100	GH1A 1400
01. COOLING PERFORMANCE				
Cooling Capacity – Water out +20 °C / Air +25 °C	kW	571	1.142	1.370
Cooling Capacity – Water out +20 °C / Air +25 °C	kcal/h	491.232	982.464	1.186.800
Efficiency (COP)	kW/kW	5.4	5.4	5.2
02. REFRIGERATION & AIR SIDE				
Compressors (Scroll)	quantity	4	8	12
Refrigerant Circuit	quantity	4	4	4
Fans	quantity	10	14	16
03. HYDRAULIC DATA				
Pump Flow Rate	l/min	1.634	3.153	3.960
Pressure Pump “C”	bar	3.0 ÷ 3.5	3.0 ÷ 3.5	3.0 ÷ 3.5
Pressure Pump “V”	bar	1.7 ÷ 2.0	1.7 ÷ 2.0	1.7 ÷ 2.0
Ø Connections	inches/DN	DN125	DN150	DN150
Capacity Tank “C”	l	1.200	2.300	1.600
04. PHYSICAL DIMENSIONS				
Length	mm	6,804	10,144	10,144
Width	mm	2,150	2,150	2,150
Height	mm	2,145	2,250	2,350

The GH1A series consists of air-condensed monobloc water-cooling units. They come in two different versions: with a built-in tank (C) or an external reservoir (V). These chillers are suitable for modular use with units of similar or different cooling capacity that can be added at different times.

TECHNICAL DATASHEET
WATER CHILLER UNITS WITH AIR CONDENSATION



R1234ze
ECO-4

R1234ze

GWP: 1
Class: A2L
(Low flammability)

UE 2024/573



Industrial Frigo USA
CRITICAL SOLUTION LINE

IF CD GN1A

AIR-COOLED WATER CHILLERS

COOLING
FOR A MORE
RESILIENT
TOMORROW



Industrial Frigo USA
CRITICAL SOLUTION LINE

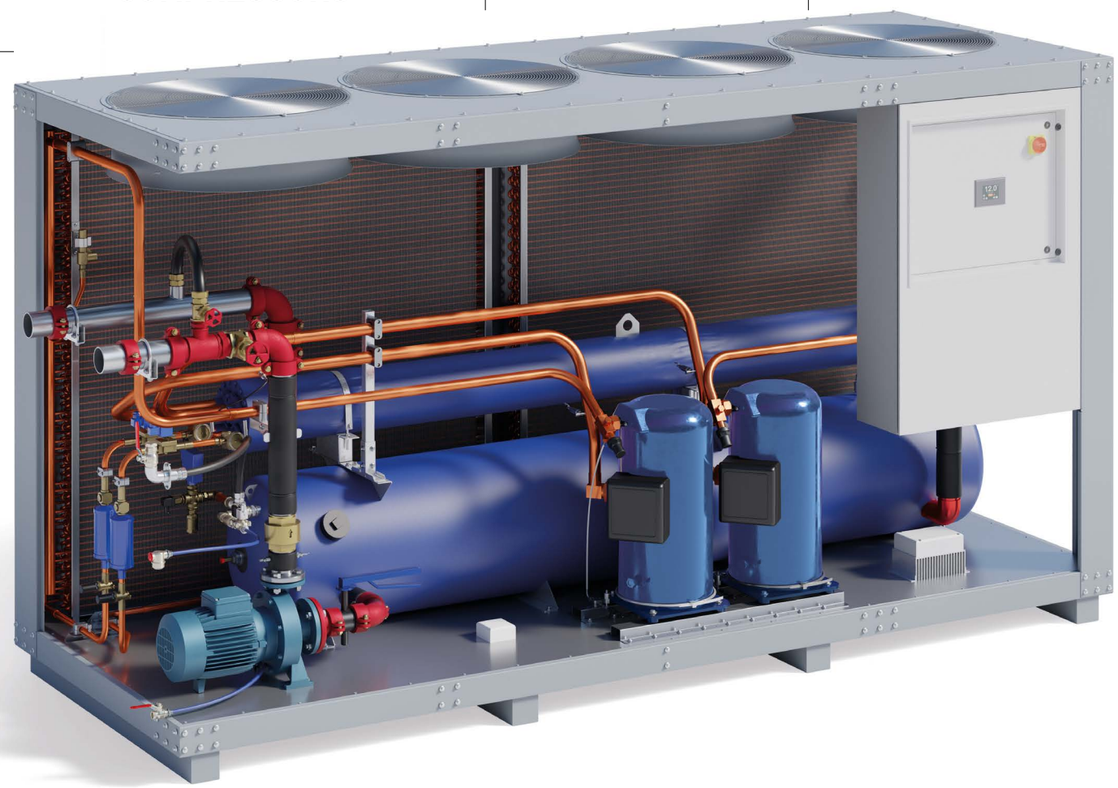
PRODUCT
RANGE IF DC-FC/ GN1A C/V

Cooling capacity for different data center scales and configurations.

	CHILLER GN1A C/V Nominal Capacity 20°C water supply / 25°C ambient	USE CASE Data center application
01.	**570 kW**	**ENTERPRISE / SINGLE HALL**
02.	**1100 kW**	**LARGE HALL / POD CLUSTER**
03.	**1400 kW**	**CAMPUS / MULTI - POD**

KEY STRENGTHS

HIGH-EFFICIENCY FINNED CONDENSERS	**INDEPENDENT REFRIGERATION CIRCUITS**	**SHELL & TUBE EVAPORATOR**
HIGH-EFFICIENCY SCROLL COMPRESSORS	**EC FANS**	**HIGH EFFICIENCY PUMP**



FROM SINGLE HALL
TO MULTI-POD CAMPUS

The IF DC / CHILLER range provides different cooling capacities to address enterprise, large-hall and multi-pod data center applications.

GN1A C/V RANGE

570 · 1100 · 1400

THERMAL PERFORMANCE AND GENERAL SPECIFICATIONS

Technical Parameter	UNIT	GN1A 570	GN1A 1100	GN1A 1400
01. COOLING PERFORMANCE				
Cooling Capacity – Water out +20 °C / Air +25 °C	kW	571	1.142	1.370
Cooling Capacity – Water out +20 °C / Air +25 °C	kcal/h	491.232	982.464	1.186.800
Efficiency (COP)	kW/kW	5.4	5.4	5.2
02. REFRIGERATION & AIR SIDE				
Compressors (Scroll)	quantity	4	8	12
Refrigerant Circuit	quantity	4	4	4
Fans	quantity	10	14	16
03. HYDRAULIC DATA				
Pump Flow Rate	l/min	1.634	3.153	3.960
Pressure Pump “C”	bar	3.0 ÷ 3.5	3.0 ÷ 3.5	3.0 ÷ 3.5
Pressure Pump “V”	bar	1.7 ÷ 2.0	1.7 ÷ 2.0	1.7 ÷ 2.0
Ø Connections	inches/DN	DN125	DN150	DN150
Capacity Tank “C”	l	1.200	2.300	1.600
04. PHYSICAL DIMENSIONS				
Length	mm	6,804	10,144	10,144
Width	mm	2,150	2,150	2,150
Height	mm	2,145	2,250	2,350

The GN1A series consists of air-condensed monobloc water-cooling units. They come in two different versions: with a built-in tank (C) or an external reservoir (V). These chillers are suitable for modular use with units of similar or different cooling capacity that can be added at different times.

TECHNICAL DATASHEET
WATER CHILLER UNITS WITH AIR CONDENSATION



R515B

ECO-5

R515B

GWP: 293
Class: A1
(Non-flammable)

UE 2024/573

Industrial Frigo USA
CRITICAL SOLUTION LINE



IFGA

AIR-COOLED WATER CHILLERS

COOLING
FOR A MORE
RESILIENT
TOMORROW

PRODUCT
RANGE IF DC-FC IFGA

Cooling capacity for different data center scales and configurations.

	CHILLER IFGA Nominal Capacity 20°C water supply / 25°C ambient	USE CASE Data center application
01.	**570 kW**	**ENTERPRISE / SINGLE HALL**
02.	**1030 kW**	**LARGE HALL / POD CLUSTER**
03.	**1450 kW**	**CAMPUS / MULTI - POD**

KEY STRENGTHS

HIGH-EFFICIENCY FINNED CONDENSERS	**INDEPENDENT REFRIGERATION CIRCUITS**	**SHELL & TUBE EVAPORATOR**
HIGH-EFFICIENCY SCREW COMPRESSORS	**EC FANS**	**HIGH EFFICIENCY PUMP**



FROM SINGLE HALL
TO MULTI-POD CAMPUS

The IF DC / CHILLER range provides different cooling capacities to address enterprise, large-hall and multi-pod data center applications.

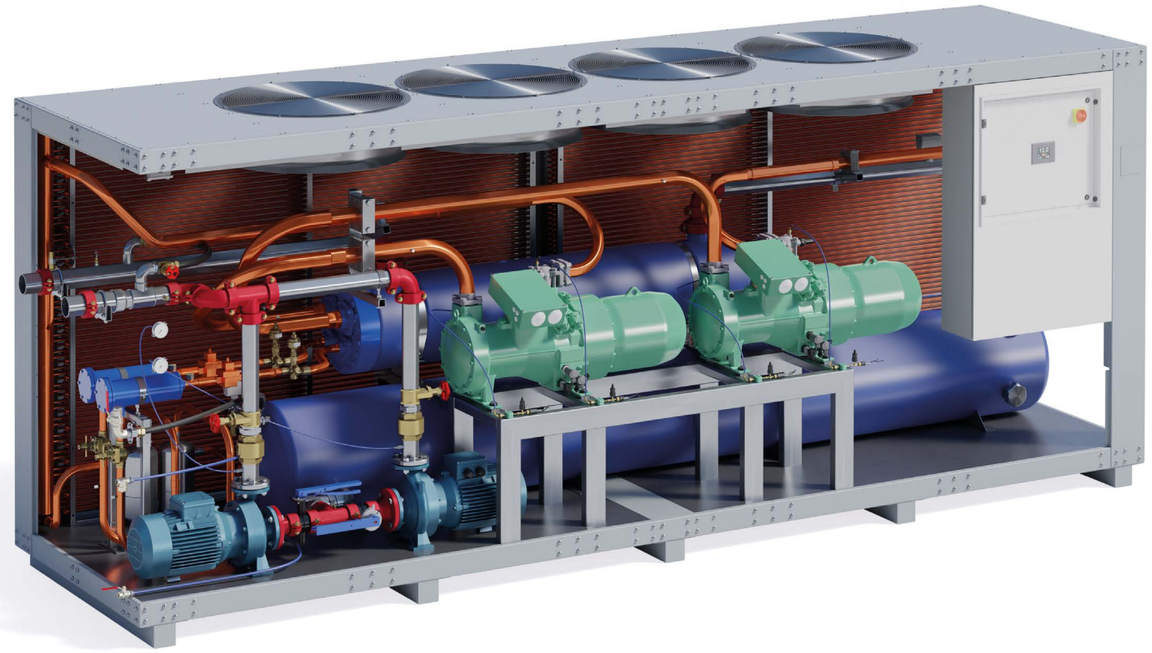
IFGA RANGE
570 · 1030 · 1450

THERMAL PERFORMANCE AND GENERAL SPECIFICATIONS

Technical Parameter	UNIT	IFGA 570	IFGA 1030	IFGA 1450
01. COOLING PERFORMANCE				
Cooling Capacity – Water out +20 °C / Air +25 °C	kW	570	1.033	1.453
Cooling Capacity – Water out +20 °C / Air +25 °C	kcal/h	490.200	888.400	1.249.600
Efficiency (COP)	kW/kW	5.1	5.2	5.0
02. REFRIGERATION & AIR SIDE				
Compressors (Screw)	quantity	2	4	4
Refrigerant Circuit	quantity	2	2	4
Fans	quantity	10	14	16
03. HYDRAULIC DATA				
Pump Flow Rate	l/min	1.600	2.950	4.150
Pressure Pump	bar	3.0 ÷ 3.5	3.0 ÷ 3.5	3.0 ÷ 3.5
Ø Connections	inches/DN	DN125	DN150	DN150
Capacity Tank "C"	l	1.600	2.300	2.300
04. PHYSICAL DIMENSIONS				
Length	mm	7,100	11,088	11,088
Width	mm	2,150	2,150	2,150
Height	mm	2,150	2,345	2,345

The IFGA series consists of air-cooled monobloc water cooling units. These chillers are suitable for modular installation with units of similar or different cooling capacity that can be added at different times.

TECHNICAL DATASHEET
WATER CHILLER UNITS WITH AIR CONDENSATION



R1234ze

GWP: 1
Class: A2L
(Low flammability)

UE 2024/573



Industrial Frigo USA
CRITICAL SOLUTION LINE

IF DC CDU

COLLANT DISTRIBUTION UNIT

COOLING
FOR A MORE
RESILIENT
TOMORROW



IF DC-CDU – COOLING DISTRIBUTION UNIT

New Industrial Frigo family for AI, HPC and liquid cooling.

STANDARD SCOPE

- Plate heat exchanger
- Pumps N+1 with VSD
- Secondary filter 25–50 µm
- Expansion / fill / vent
- Temperature, pressure and flow sensors
- Local HMI + common alarm

OPTIONALS

- Dual power supply
- Hot-swappable filter package
- Top / bottom connections
- Stainless or corrosion-protected frame
- Energy meter and water quality package
- Pod manifold / hose kit

CONTROLS & INTERFACES

- BACnet/IP
- Modbus TCP/IP
- Remote diagnostics
- Unit-to-unit coordination
- Leak detection monitoring
- BMS / DCIM integration



POSITIONING

Liquid-to-liquid CDU
Facility loop ↔ technology loop separation
AI / HPC / Direct-to-Chip ready
In-row or technical-room installation

TARGET FEATURES

Plate heat exchanger
Pumps N+1 with VSD
25–50 µm secondary filtration
Top / bottom piping connections
Leak detection + sensors
BMS / DCIM integration

SCALABLE BY DESIGN

Model	Nominal Capacity	Typical Use
IF DC-CDU 800	800 kW @ 4K ATD	Single pod / enterprise
IF DC-CDU 1400	1,400 kW @ 4–6K ATD	AI pod / large hall
IF DC-CDU 2500	2,500 kW @ 4–6K ATD	Multi-pod / campus

TECHNICAL DATASHEET

Liquid-to-Liquid Coolant Distribution Unit for AI / HPC & D2C Data Centers

IF DC-CDU RANGE

800 · 1400 · 2500

HYDRAULIC, CONTROL & SAFETY DATA

AI READY HIGH DENSITY | EFFICIENCY LOW TCO | RELIABILITY 24/7 OPERATION

	IF DC-CDU 800	IF DC-CDU 1400	IF DC-CDU 2500
01 THERMAL PERFORMANCE			
Nominal Cooling Capacity	**800 kW [@ 4K ATD]**	**1400 kW [@ 4K ATD]**	**2500 kW kW [@ 4–6K ATD]**
Approach Temp. Differential (ATD) (*)	4 K	4 K	4 K
Typical Data Center Application	Single Pod / Enterprise	Large Hall / AI Pod Cluster	Multi-Pod / Campus
Heat Exchanger Type	Brazed Plate	Serviceable Plate AISI	Serviceable Plate AISI
02 PHYSICAL DIMENSIONS			
Length	900 mm	1,100 mm	1,600 mm
Width	1,300 mm	1,300 mm	1,400 mm
Height	2,300 mm	2,300 mm	2,400 mm
03 PRIMARY HYDRAULIC CIRCUIT - FWS (FACILITY WATER SYSTEM)			
FWS Inlet Filtration	Stainless Steel Mesh Filter 500 µm	Stainless Steel Mesh Filter 500 µm	Stainless Steel Mesh Filter 500 µm
Flow Control Valve	Modulating 2-Way PICV (0-10V)	Modulating 2-Way PICV (0-10V)	Modulating 2-Way PICV (0-10V)
04 SECONDARY HYDRAULIC CIRCUIT - TCS (TECHNOLOGY COOLING SYSTEM)			
Redundant Pump Group	2x VFD Pumps in N+1 (1+1)	2x VFD Pumps in N+1 (1+1)	3x VFD Pumps in N+1 (2+1)
Available External Head (Hu)	2.5 – 3.5 bar	2.5 – 3.5 bar	2.5 – 4.0 bar
IT Fine Filtration (D2C)	25 µm / 50 µm (Hot-Swap)	25 µm / 50 µm (Hot-Swap)	25 µm / 50 µm (Hot-Swap)
05 ELECTRICAL DATA, CONTROL & SAFETY			
Power Supply Voltage	400V / 3ph / 50Hz (Optional 480V / 3ph / 60Hz for USA/Asia markets)		
User Interface (HMI)	On-board color touchscreen display with synoptic interface		
BMS Communication Protocols	BACnet/IP, Modbus TCP/IP, SNMP v3, Redfish, OPC-UA integrated upon request		
Expansion	Integrated expansion vessel		

(*) PRIMARY SUPPLY @ 26°C – SECONDARY SUPPLY / RETURN 25% PG @ 30/40°C

Industrial Frigo USA
CRITICAL SOLUTION LINE

DATA CENTER
COOLING

Engineered for performance.
Designed for relibility.



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