

# Kaltru

**one**  
REFRIGERATION

# Kaltru

## CONDENSING UNITS

Powered by Bock Compressors

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Welcome to



At Kaltru, we combine over 30 years of refrigeration expertise with modern engineering to deliver solutions that perform in the toughest conditions. From our base in the GCC, we design and supply innovative, energy-efficient refrigeration systems trusted by businesses worldwide. Every unit is built with precision, tested for reliability, and backed by a commitment to customer satisfaction.



*COOLING INNOVATION  
POWERED BY DECADES  
OF EXPERTISE.*

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# About US

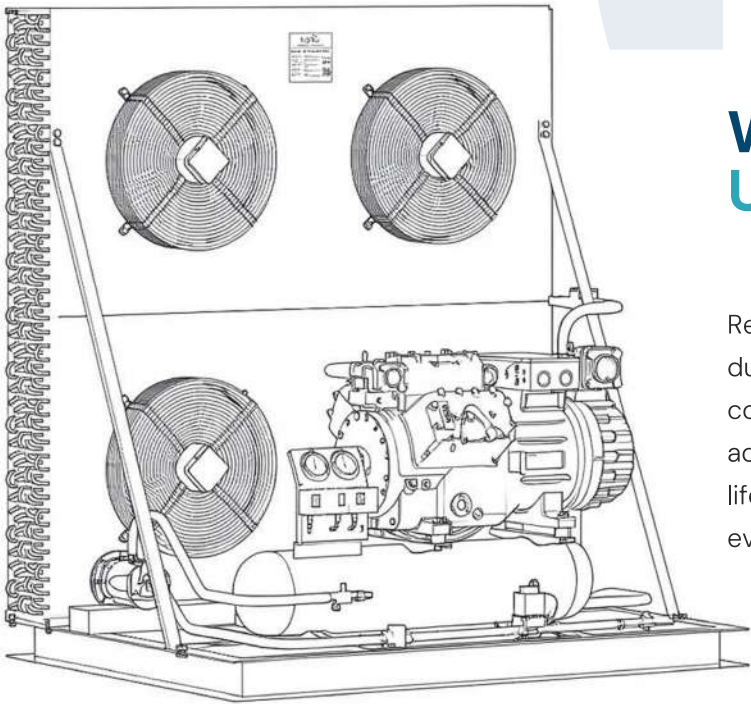
## ONE Standard for Refrigeration Excellence

ONE Refrigeration is a modern refrigeration company based in the **UAE**, focused on building reliable and efficient systems for commercial and industrial refrigeration. With over **30 years of experience**, we bring together strong technical know-how, advanced manufacturing techniques, and customer driven solutions to deliver products that perform in real-world conditions.



## Whats Sets Us Apart

**KALTRU** is the signature brand of ONE Refrigeration, created to stand for quality, durability, and performance. Every Kaltru condensing unit is built with premium parts and advanced engineering, designed to deliver long life, energy savings, and dependable operation even in the toughest environments.



# Why Choose

# Kaltru



01

### Unwavering Commitment To Quality

Kaltru products are built on reliability, performance, and strict adherence to global standards — ensuring confidence in every application.

02

### Value That Lasts

Our solutions go beyond cooling, delivering measurable benefits such as lower operating costs, optimized performance, and long-term efficiency.

03

### A Brand You Can Trust

Choosing Kaltru means choosing innovation, sustainability, and customer-first service. We design refrigeration systems built for dependability today and a smarter, more efficient tomorrow.

## VISION

### Leading the Future of Refrigeration

To position ONE REFRIGERATION as global leader in high-performance, energy-efficient refrigeration. We aim to set new standards in technology, sustainability, and customer satisfaction, becoming the first choice for cooling solutions worldwide

## MISSION

### Reliability Without Compromise

To deliver reliable, efficient, & sustainable refrigeration solutions that serve commercial and industrial needs across the region and beyond. We are committed to combining engineering expertise with exceptional service, ensuring every system we build provides lasting value and performance.



## Key Feature & Benefit

### Reliable Bock Compressors

Precise temperature control ensures dependable performance in cold storage and production environments.

### Premium Components

Trusted performance and long-lasting reliability using high-grade parts from global brands.

### Efficient Cooling Coils

Leak-proof, optimized design delivers consistent cooling even in harsh conditions.

### Durable Construction

Tough, coated body resists wear, extending service life and reliability.

### Quiet Operation

Vibration control and balanced fans minimize noise for smooth, quiet performance.

### Exceptional Strength

Premium build ensures unmatched structural integrity and durability.

### Wide Temperature Range

Reliable operation across extreme conditions, from freezing cold to high ambient heat.

### Sophisticated Design

Sleek, modern finish combines technical performance with visual appeal.

### Low Maintenance

Built for durability to reduce servicing needs and minimize operating costs.

### Easy Installation

Designed for fast, straightforward, and efficient on-site assembly.

## APPLICATIONS



Commercial Refrigeration



Cold Room Chillers & Freezers



Refrigerated Display Cabinets



Small Cooling Chambers



Freezing Tunnels



# Kaltru

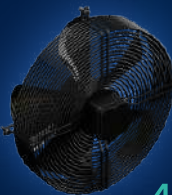
# Uncompromising Performance. Trusted Components.

**Kaltru** condensing units deliver reliable, efficient performance with trusted Bock semi-hermetic compressors in single or multi-stage options. **Danfoss™** pressure controls ensure precise protection, while Harbax anti-vibration mounts enhance durability. Built for high ambient conditions, oversized aluminum coils, grooved copper tubes, and optimized Hicool fans provide excellent heat transfer and quiet operation. Each unit embodies Kaltru's commitment to quality with globally recognized components you can trust.



### 3. Condensers Coil

High Grade Copper fittings and Aluminium Condenser Coil for optimum heat exchange



### 4. Condenser Fan

Hicool™ fan with grooved blades, optimized impeller, and diffuser for high airflow and low noise.



### 5. Reliable & Safe Oil Supply



### 2. Dual Pressure Switch

Danfoss™ DP Switch protects the system by monitoring and controlling both high and low pressure levels.

## Common Refrigerants

R452A

R449A  
R448A

R134A

R407C

R404A  
R507

R513A  
R450A

R407F

R22

R407A



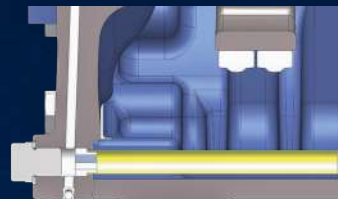
### 1.T M Bock Compressors

Powered by Bock semi-hermetic reciprocating compressors in single or multi-stage options.



### 6. Service friendly design

- Easily to be replaced build-in motor due to slide fit (not press fit)
- Easily removable oil strainer





# Standard Scope Of Supply

- 01 Liquid Receiver
- 02 Dual Hp/Lp Switch
- 03 Compressor Crankcase heater
- 04 Vibration Absorber
- 05 Oil separator with oil Line & it's controls
- 06 Oil Differential Pressure Switch
- 07 Delta P

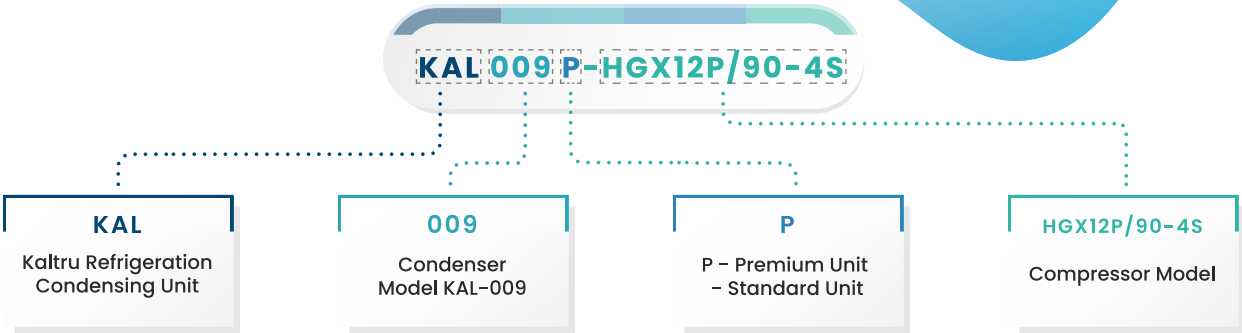


## Additional Components (Optional)



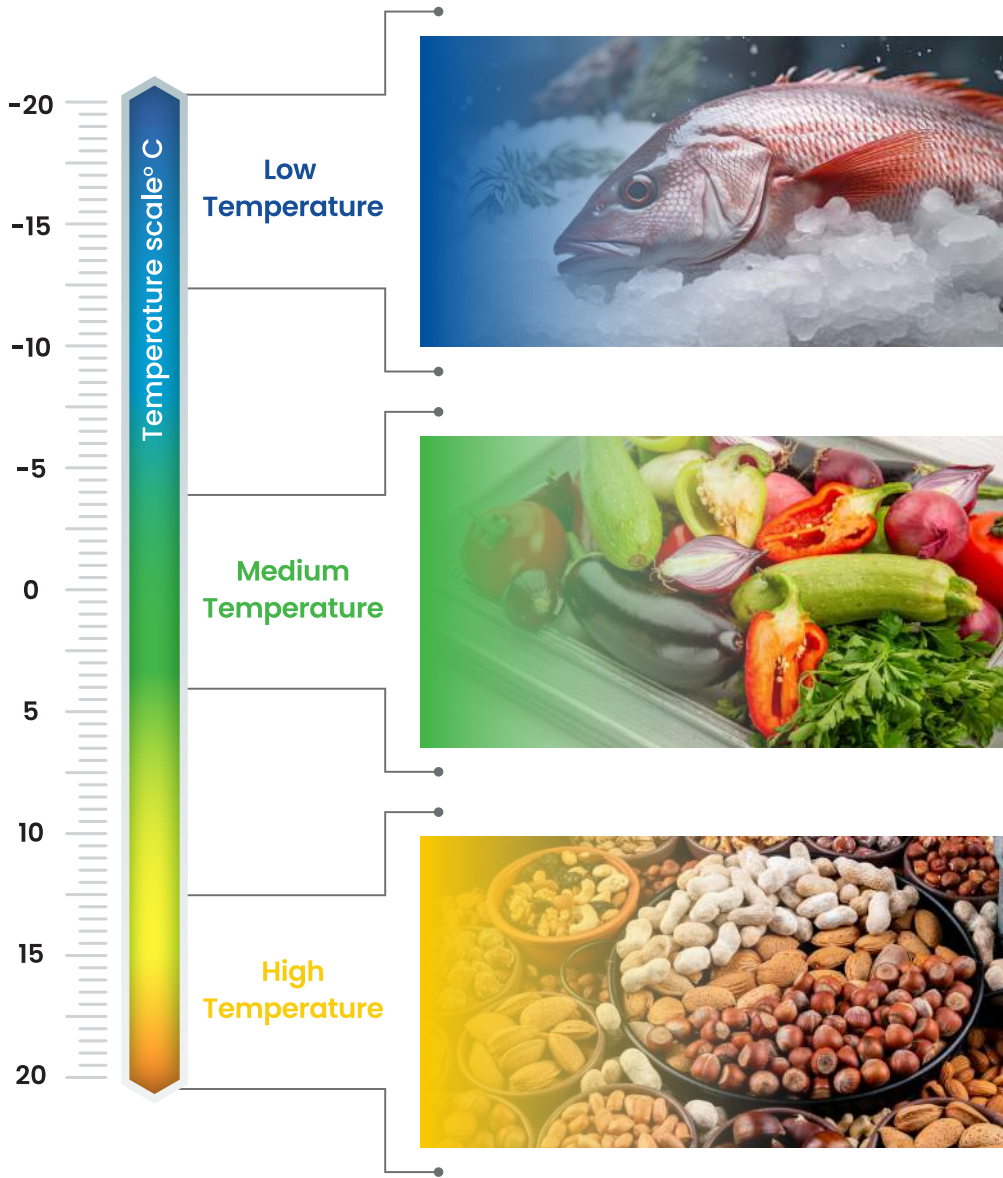
- 01 Fliter Dryers
- 02 Sight Glass
- 03 Ball Valve
- 04 Condenser head pressure
- 05 Suction accumulator
- 06 Suction vibration absorber

# Condensing Units Nomenclature



## Applications by Temperature

Kaltru Condensing Units are engineered to provide precise and efficient cooling across a wide spectrum of temperature requirements, ensuring optimal preservation for diverse applications. The selection of the appropriate condensing unit model is primarily determined by the desired evaporation temperature ( $T_e$ ) with-in the refrigerated space and the ambient condensing temperature ( $T_c$ ).



# Technical Specifications

## LOW Temperature R404a

SR NO.	UNIT MODEL	COMPRESSOR MODEL	COOLING CAPACITY (KW)	POWER INPUT (KW)
01	KAL005S-HGX12P/75-4	HGX12P/75-4	1.44	2.44
02	KAL005S-HGX12P/90-4	HGX12P/90-4	1.64	2.94
03	KAL007S-HGX12P/110-4	HGX12P/110-4	2.04	3.28
04	KAL009S-HGX22e/160-4	HGX22e/160-4	2.86	3.95
05	KAL011S-HGX22e/190-4	HGX22e/190-4	3.68	5.05
06	KAL011S-HGX34e/255-4	HGX34e/255-4	4.33	6.25
07	KAL015S-HGX34e/315-4	HGX34e/315-4	5.60	7.85
08	KAL022S-HGX34e/380-4	HGX34e/380-4	6.96	10.20
09	KAL028S-HGX44e/475-4	HGX44e/475-4	9.26	11.90
10	KAL035S-HGX44e/565-4	HGX44e/565-4	11.40	14.30
11	KAL035S-HGX44e/665-4	HGX44e/665-4	12.80	16.50
12	KAL040S-HGX44e/770-4	HGX44e/770-4	15.30	18.90
13	KAL045S-HGX56e/850-4	HGX56E/850-4	17.00	21.14
14	KAL055S-HGX56e/995-4	HGX56e/995-4	19.10	24.60
15	KAL077S-HGX66e/1340-4	HGX56e/1340-4	26.40	34.10
16	KAL077S-HGX66e/1540-4	HGX66e/1540-4	31.00	39.40
17	KAL095S-HGX66e/1750-4	HGX66e/1750-4	35.60	45.20
18	KAL118S-HGX66e/2070-4	HGX66e/2070-4	41.90	54.00
19	KAL135S-HGX88e/2400-4	HGX88e/2400-4	49.40	64.10
20	KAL160S-HGX88e/2735-4	HGX88e/2735-4	56.40	71.30

Cooling Capacity at Te= -25 °C and Tc=+50 °C  
Power Input at Te= -25 °C and Tc=+50 °C  
Motor Version M2  
Technical Data is subject to change without Notice

## Medium Temperature - R404a

SR NO.	UNIT MODEL	COMPRESSOR MODEL	COOLING CAPACITY (KW)	POWER INPUT (KW)
01	KAL007S-HGX12P/75-4S	HGX12P/75-4S	3.25	2.78
02	KAL007S-HGX12P/90-4S	HGX12P/90-4S	3.79	3.18
03	KAL009S-HGX12P/110-4S	HGX12P/110-4S	4.38	3.85
04	KAL011S-HGX22e/160-4S	HGX22e/160-4S	6.58	4.65
05	KAL015S-HGX22e/190-4S	HGX22e/190-4S	8.17	6.05
06	KAL017S-HGX34e/215-4S	HGX34e/215-4S	8.59	6.55
07	KAL022S-HGX34e/255-4S	HGX34e/255-4S	10.40	8.10
08	KAL022S-HGX34e/315-4S	HGX34e/315-4S	12.90	9.80
09	KAL028S-HGX34e/380-4S	HGX34e/380-4S	16.00	12.00
10	KAL035S-HGX44e/475-4S	HGX44e/475-4S	20.70	14.20
11	KAL045S-HGX44e/565-4S	HGX44e/565-4S	25.00	17.00
12	KAL055S-HGX44e/665-4S	HGX44e/665-4S	28.50	19.70
13	KAL064S-HGX44e/770-4S	HGX44e/770-4S	33.30	23.20
14	KAL064S-HGX56e/850-4S	HGX56E/850-4S	37.20	25.30
15	KAL077S-HGX56e/995-4S	HGX56e/995-4S	43.30	29.90
16	KAL100S-HGX66e/1340-4S	HGX56e/1340-4S	58.90	40.90
17	KAL118S-HGX66e/1540-4S	HGX66e/1540-4S	68.10	47.70
18	KAL135S-HGX66e/1750-4S	HGX66e/1750-4S	77.40	54.90
19	KAL160S-HGX66e/2070-4S	HGX66e/2070-4S	90.70	64.90
20	KAL190S-HGX88e/2400-4S	HGX88e/2400-4S	109.00	74.00

Cooling Capacity at Te= -8 °C and Tc=+50 °C  
Power Input at Te= -8 °C and Tc=+50 °C  
Motor Version M1  
Technical Data is subject to change without Notice

High Temperature – R134A

SR NO.	UNIT MODEL	COMPRESSOR MODEL	COOLING CAPACITY (KW)	POWER INPUT (KW)
01	KAL007S-HGX12P/90-4S	HGX12P/90-4S	3.78	3.18
02	KAL009S-HGX12P/110-4S	HGX12P/110-4S	4.32	3.85
03	KAL011S-HGX22e/160-4S	HGX22e/160-4S	6.68	4.65
04	KAL015S-HGX22e/190-4S	HGX22e/190-4S	8.19	6.05
05	KAL017S-HGX34e/215-4S	HGX34e/215-4S	8.64	6.55
06	KAL022S-HGX34e/315-4S	HGX34e/315-4S	13.00	9.80
07	KAL028S-HGX34e/380-4S	HGX34e/380-4S	16.80	12.00
08	KAL035S-HGX44e/475-4S	HGX44e/475-4S	20.70	14.20
09	KAL045S-HGX44e/565-4S	HGX44e/565-4S	24.90	17.00
10	KAL055S-HGX44e/665-4S	HGX44e/665-4S	28.60	17.70
11	KAL064S-HGX44e/770-4S	HGX44e/770-4S	33.50	23.20
12	KAL064S-HGX56e/850-4S	HGX56E/850-4S	37.60	25.30
13	KAL077S-HGX56e/995-4S	HGX56e/995-4S	43.60	29.90
14	KAL100S-HGX66e/1340-4S	HGX56e/1340-4S	58.50	40.90
15	KAL118S-HGX66e/1540-4S	HGX66e/1540-4S	67.60	47.70
16	KAL135S-HGX66e/1750-4S	HGX66e/1750-4S	76.90	54.90
17	KAL160S-HGX66e/2070-4S	HGX66e/2070-4S	90.40	64.90

Cooling Capacity at Te= 5 °C and Tc=+55 °C

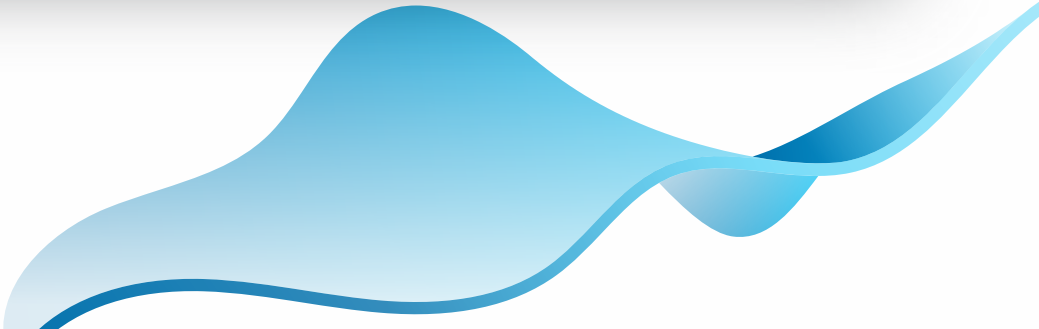
Power Input at Te= 5 °C and Tc=+55 °C

Motor Version M1

Note: Technical Data is subject to change without Notice

Condenser Specification (are in mm)

SR NO.	UNIT MODEL	NUMBER OF FANS	FAN DIAMETER	AIR FLOW (M3/H)	ELECTICAL SUPPLY	POWER INPUT (W)
01	KAL 005	1	350	2600	380-400V/3PH/50Hz	140
02	KAL 007	1	400	4000	380-400V/3PH/50Hz	180
03	KAL 009	1	450	5500	380-400V/3PH/50Hz	250
04	KAL 011	1	450	5500	380-400V/3PH/50Hz	250
05	KAL 015	1	500	7400	380-400V/3PH/50Hz	450
06	KAL 017	1	630	11750	380-400V/3PH/50Hz	550
07	KAL 022	2	500 x 2	14800	380-400V/3PH/50Hz	450 x 2
08	KAL 028	2	500 x 2	14800	380-400V/3PH/50Hz	450 x 2
09	KAL 035	2	630 x 2	23500	380-400V/3PH/50Hz	550 x 2
10	KAL 040	2	630 x 2	23500	380-400V/3PH/50Hz	550 x 2
11	KAL 045	2	630 x 2	24300	380-400V/3PH/50Hz	700 x 2
12	KAL 055	2	630 x 2	24300	380-400V/3PH/50Hz	700 x 2
13	KAL 064	4	500 x 4	29600	380-400V/3PH/50Hz	450 x 4
14	KAL 077	4	630 x 4	47000	380-400V/3PH/50Hz	550 x 4
15	KAL 085	4	630 x 4	47000	380-400V/3PH/50Hz	550 x 4
16	KAL 095	4	630 x 4	49600	380-400V/3PH/50Hz	700 x 4
17	KAL 100	4	630 x 4	49600	380-400V/3PH/50Hz	700 x 4
18	KAL 118	6	630 x 6	70500	380-400V/3PH/50Hz	550 x 6
19	KAL 135	6	630 x 6	74400	380-400V/3PH/50Hz	700 x 6
20	KAL 160	6	630 x 6	74400	380-400V/3PH/50Hz	700 x 6
21	KAL 190	6	630 x 6	74400	380-400V/3PH/50Hz	700 x 6





## Dimensions (are in mm)

CONDENSER MODEL	A	B	C	D	E	DRAWING
KAL 005	500	500	605	170	450	
KAL 007	650	625	605	170	575	
KAL 090	800	650	800	200	600	
KAL 011	850	650	800	230	600	
KAL 015	1000	750	800	230	700	
KAL 017	1000	950	800	230	900	
KAL 022	1400	750	900	230	700	
KAL 028	1700	800	1000	230	750	
KAL 035	1800	1050	1000	270	1000	
KAL 040	1800	1075	1000	270	1000	
KAL 045	1800	1075	1000	270	1000	
KAL 055	2100	1125	1000	280	1050	
KAL 064	1800	1575	1200	280	1500	
KAL 077	2000	1975	1200	280	1900	
KAL 085	2000	1975	1200	300	1900	
KAL 095	2000	2000	1200	300	1900	
KAL 100	2400	2000	1200	300	1900	
KAL 118	2800	2150	1200	300	2050	
KAL 135	2800	2150	1200	300	2050	
KAL 160	3010	2150	1200	310	2050	
KAL 190	3010	2350	1200	310	2250	

## Notes :

# Innovation Without Limits



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Every unit **we build** is designed for reliability and performance.