



We, at Rinac, begin with seamless solutions for cold chain and modular construction. Soon, a relationship develops, empowered by our domain expertise, service excellence, and customising capabilities. As the bond deepens, you will discover that we invest in curiosity, innovation, and ingenuity; constantly questioning perfection, and leveraging our resources to nurture each relationship into a win-win proposition. What's more - warm, pro-active support is always just a call away through our customer care, a dedicated relationship service group.

For more than two and a half decades, Rinac has been the chosen partner for industry leaders, providing an unrivalled range of solutions and superior value. But that's just the tip of the iceberg.



LiteCold Series

Modular Cold Rooms

With an extensive range of Refrigeration solutions, Rinac is a competent and dependable partner for all your needs. LiteCold Series are the most efficient/ optimum methods to hold vast quantities of chilled or frozen products with out any quality deterioration for longer shelf life.

This range of products consists of Insulated panels, Doors & Refrigeration systems designed for small to medium cold room requirement

Insulated Panels (Wall & Ceiling)

Our panels are a high density PUR panel, offering optimal thermal insulation and class O reaction to fire according to BS 476. Litecold Series Panels are food safe, making them the perfect solution for a variety of industries and businesses.

- Highly energy efficient & Reliable Insulation Panels
- Long life & low maintenance solutions
- Widest range of cold room and walk-in refrigeration solutions.

Module Dimensions

Panel Width	1000 mm
Thickness available	60, 100 mm
Colour	White (RAL - 9002 finish)
Lamination	PCGI/PCGI
Serration	Full line both sides
Length of panel available	2500, 3000 & 3500 mm
Floor slab	PUF slabs

Doors

Rinac Litecold Series combine the latest technology, premium materials and design features to meet the demanding requirements of the cold storage industry

- Energy Efficiency insulation core leading to energy cost reduction
- Help to ensure desired temperatures by minimizing air exchange
- Good levels of thermal and air tightness performance helps to maintain temperature differentials
- Easy to assembly doors, hence reducing installation time and errors.

Specifications

Thickness	: 60, 100 mm
Temperature range	: -25 °C to +70 °C
Lamination Material	: PCGI/ PCGI
Size/Type	: 900 x 2000 mm/Face mounted Flush Type
Heaters	: Frame heaters supplied as standard on all low temperature doors.

Refrigeration system

To make the right choice for optimum protection of perishables, efficient operation and long lifespan, LiteCold Series helps in keeping the quality of materials and preventing them from deterioration beyond their normal shelf life.



Key features of the RLC Series Refrigeration systems are :-

- Designed for 38 - 45 Deg C Ambient applications.
- Designed for quiet and energy efficient operation.
- Air cooled condenser unit with Reciprocating compressor with Refrigerant R407C / R404A
- Built-in pressure safety switches & Reputed make components and control valves.
- Fully loaded Electrical control panel with micro processor based Temperature controller.
- Freezer evaporators are with sleek casing and Electric defrost.



Refrigeration systems for +4°C Room complete with Evaporator

Sl.	Code/ Model	RLC-P25-01	RLC-P30-03	RLC-P40-03	RLC-P50-03	RLC-P60-03
1	Ref Capacity [kW]	2.5	3	4	5	6
2	Refrigerant	R407C	R407C	R407C	R407C	R407C
3	Power Supply [Ph/V/Hz]	1/230/50	3/410/50	3/410/50	3/410/50	3/410/50
4	Consumed Power [kW]	1.5	2.1	2.7	3.2	3.6
5	Connected Power [kW]	2.7	3.5	4.4	4.6	5.1
6	Suction Line	1/2"	5/8"	5/8"	7/8"	7/8"
7	Liquid Line	3/8"	3/8"	3/8"	1/2"	1/2"
8	Type of Compressor	Reciprocating Hermetic	Reciprocating Hermetic	Reciprocating Hermetic	Reciprocating Hermetic	Reciprocating Hermetic

Sl.	Code/ Model	RLC-P25-01	RLC-P30-03	RLC-P40-03	RLC-P50-03	RLC-P60-03
Condenser Details						
1	Number of Fans	1	1	1	1	1
2	Fan rating [W]	55	55	55	73	73
3	Length [L] [mm]	860	860	860	985	985
4	Width [W] [mm]	310	310	310	330	330
5	Height [H] [mm]	605	605	605	825	825
6	Weight of Unit [kg]	47	47	47	64	64
Evaporator details						
1	Number of Fans	1	1	1	1	2
2	Fan Size [mm]	300	300	350	350	300
3	Fan rating [W]	85	85	140	140	170
4	Air Volume [m3/hr]	1360	1360	2100	2100	2720
5	Air Throw [m]	8	8	8	8	8
6	Length [L] [mm]	550	700	700	900	1200
6	Width [W] [mm]	350	350	350	350	350
7	Height [H] [mm]	420	420	480	480	420
8	Weight of Unit [kg]	24	31	39	51	56

Refrigeration systems for Freezer Rooms (-18°C Room Temp.) with Evaporator



Sl.	Code/ Model	RLC-N25-03	RLC-N30-03	RLC-N40-03	RLC-N50-03
1	Ref Capacity [kW]	2.5	3	4	5
2	Refrigerant	R404A	R404A	R404A	R404A
3	Power Supply [Ph/V/Hz]	3/410/50	3/410/50	3/410/50	3/410/50
4	Consumed Power [kW]	2.8	3.2	4.0	4.2
5	Connected Power [kW]	5.2	6.2	7.8	8.4
6	Suction Line	7/8"	7/8"	7/8"	1 1/8"
7	Liquid Line	3/8"	3/8"	3/8"	1/2"
8	Type of Compressor	Reciprocating Hermetic	Reciprocating Hermetic	Reciprocating Hermetic	Reciprocating Hermetic
Condenser Details					
1	Number of Fans	1	1	1	1
2	Fan rating [W]	280	380	380	380
3	Length [L] [mm]	915	915	915	915
4	Width [W] [mm]	435	435	435	435
5	Height [H] [mm]	650	800	800	800
6	Weight of Unit [kg]	70	101	101	101
Evaporator details					
1	Number of Fans	2	2	2	3
2	Fan Rating [W]	120	120	120	180
3	Fan Size [mm]	300	300	300	300
4	Air Volume [m3/hr]	3000	3000	3400	4700
5	Air Throw [m]	8	8	8	8
6	Length [L] [mm]	1000	1000	1370	1750
7	Width [W] [mm]	300	300	300	300
8	Height [H] [mm]	400	400	400	400
9	Weight of Unit [kg]	23	23	31	41
10	Defrost	Electric	Electric	Electric	Electric

Available for quick delivery from stock points

* As a policy of continuous product improvement at Rinac, Specifications are likely to vary.