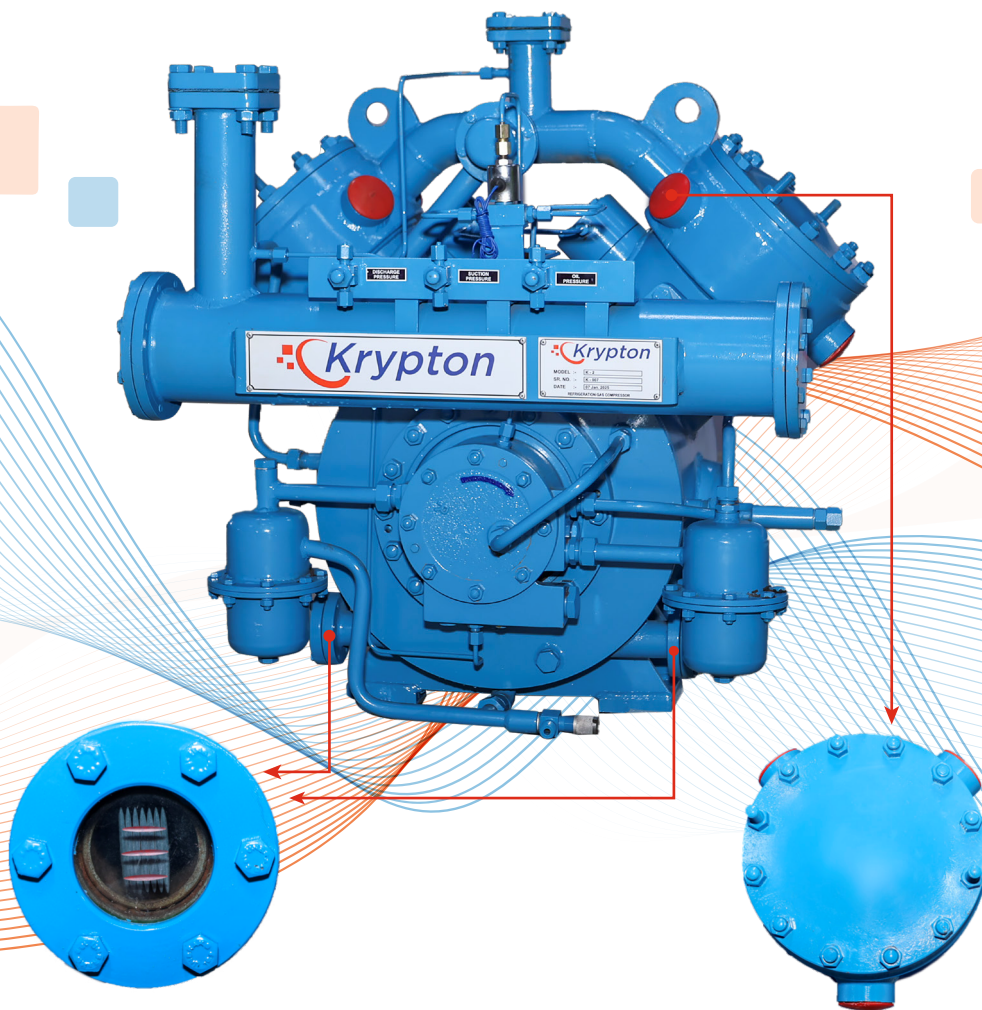




INNOVATION. INNOVATION. INNOVATION.

The 3 Pillars Of Our Perseverance



Bigger Oil level
glass on both sides

2" BSP Three Threaded Water Jackets lead to easy
installation of pipe and cleaning of water jacket

Who We Are

Leading the manufacturing sector of refrigeration technologies in India, Krypton Corps Pvt Ltd specialises in offering superior quality, durable and reliable products. Catering to a vast customer base for over 20 years, our advanced manufacturing processes, modernly computerised techniques and unique engineering specialty ensure that we deliver top-notch products that transcend the global standards.



What We Seek



Our Vision

We are chasers. We chase excellence. To become better. To become exceptional.

From providing superior quality refrigeration compressors to offering innovative solutions to attaining sustainable growth every step of the way, we are committed to setting new standards every day.



Our Mission

20 Years Wiser.

We love challenges. We thrive because of them. We believe in aiming higher and beyond.

Which explains our efforts in setting new benchmarks every day in terms of performance, efficiency and sustainability to become the global leader in compressor technology.

We aspire to consistently innovate our products and solutions to foster growth in industries worldwide, contributing to their overall success.

What We Offer

Refrigeration Gas Compressors

We manufacture top-tier, heavy duty, open-type reciprocating refrigeration compressors that are suitable for industrial refrigeration and freezing installations. These compressors are designed to operate with a variety of refrigerants, including ammonia, R22, R134A, R404A, and more.

Tube Ice Machines

Our tube ice machines are designed to provide streamlined ice production with minimal energy consumption. They are widely used in industries that require large volumes of ice for various cooling applications, particularly in food processing, fishing, and beverage preparation.

Exclusive Features

- **Lightweight steel-fabricated body**

Increases portability and cuts manufacturing costs

- **3 water ports**

Ensures easy and thorough cleaning of water jacket

- **Taper bush motor pulley**

To enhance the speed, just change the ream

- **Compressors with danfoss valve**

Improves system durability and reduces complexity in oil-free applications

- **2 large oil level glasses**

Better transparency and efficient operation to avoid wear & tear

Benefits



Power efficient



Maximum reliability



Easy to install



Durable



Transparent & extra safe



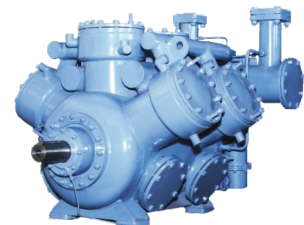
Quick maintenance



Minimum oil consumption

Scope Of Supply

Compressor with flywheel | Compressor base frame | Suction & discharge valve
Motor pulley | V-belts | Control panel | Oil separator



Scope Of Application



Milk & water chilling plants



Flake, block & tube ice plants



CA cold storage chambers



Breweries & beverage plants



Fish & meat processing plants



Fruits & vegetables

The Piston K Series

Krypton, India's leading refrigeration manufacturing company, has been working in the HVACR industry for many years. Designed to operate with ammonia, R22, R134A, R404A and other common refrigerants, our compressors are manufactured by using modern computerised techniques. Available in single stage and two stage, these are first-class, heavy duty, and open-type reciprocating refrigeration compressors. Therefore, they are ideal for industrial refrigeration and freezing installations.



TECHNICAL DATA FOR SINGLE STAGE COMPRESSORS

Compressor Model		K1	K2	K3	K4	K6
Cylinder Arrangement		V	1XV	1XW	2XV	2XW
Number of Cylinders		1	2	3	4	6
Cylinder Bore	mm	160	160	160	160	160
Piston Stroke	mm	110	110	110	110	110
Permissible Speed	Belt drive from 400 to 1000 rpm in steps of 50					
Swept Volume at 1000 rpm	m³/hr	135.1	265.4	398.1	530.8	796.2
Direction of Rotation	Anti-clockwise looking from flywheel end					
Maximum Discharge Pressure	bar	21	21	21	21	21
Oil Charge Capacity	L	8	9	10	12	13
Cooling Water Flow for each cylinder jacket	8 LPM/Cyl at water inlet temp. 30°C & 15 LPM/Cyl at water inlet temp. 40°C					
Weight of Compressor (without flywheel)	kg	345/355	435/445	535/545	665/675	900/910
Moment of Inertia GD² of crank mechanism	kg.m²	0.291	0.356	0.422	0.446	0.594
Ice (block) Making Capacity with Ammonia	TPD	9.8	19.5	29.3	39.0	58.5

At -15°C/+40°C, 0°C Subcooling, 0°C Superheating and 1000rpm. Makeup Temperature at 24°C maximum

REFRIGERATION CAPACITIES

	AMMONIA (NH3)		FREON (R-22)	
SINGLE STAGE	CAPACITY Kw / TR	SHAFT POWER BKw	CAPACITY Kw / TR	SHAFT POWER BKw
K1	110.40 / 31.38	24.90	98.54 / 28.01	26.35
K2	220.81 / 62.77	49.80	197.09 / 56.03	52.70
K3	331.28 / 94.18	73.80	295.58 / 84.03	78.00
K4	441.71 / 125.58	97.70	394.19 / 112.06	103.00
K6	662.67 / 188.39	145.40	591.28 / 168.10	154.00

TECHNICAL DATA FOR TWO STAGE COMPRESSORS

Compressor Model		K21	K31	K42	K51	K63	K72
Cylinder Arrangement		1XW	2XW	2XW	2XW	3XW	3XW
Number of Cylinders - LP/HP		2/1	3/1	4/2	5/1	6/3	7/2
Cylinder Bore - LP & HP	mm	160	160	160	160	160	160
Piston Stroke LP & HP	mm	110	110	110	110	110	110
Permissible Speed	Belt drive from 400 to 1000 rpm in steps of 50						
Swept Volume (LP CYL) at 1000 rpm	m³/hr	265.4	398.1	530.8	663.5	796.2	928.9
Direction of Rotation	Anti-clockwise looking from flywheel end						
Maximum Discharge Pressure	bar	21	21	21	21	21	21
Oil Charge Capacity	L	10	12	13	13	20	20
Cooling Water Flow	8 LPM/Cyl at water inlet temp. 30°C & 15 LPM/Cyl at water inlet temp. 40°C						
Weight of Compressor (without flywheel)	kg	535	665	900	900	1245	1245
Moment of Inertia GD² of crank mechanism	kg.m²	0.422	0.446	0.594	0.594	0.829	0.829

REFRIGERATION CAPACITIES @ 1000 rpm

	AMMONIA (NH3)		FREON (R-22)	
Model	Capacity TR	Recommended Motor HP	Capacity TR	Recommended Motor HP
K21	18.8	40	11.8	40
K31	26.8	50	16.9	50
K42	37.4	75	23.6	75
K51	40.2	75	25.6	75
K63	55.7	100	35.0	100
K72	60.4	120	37.9	100

REFRIGERATION CAPACITIES @ 1000 rpm

	AMMONIA (NH3)		FREON (R-22)	
Model	Capacity TR	Recommended Motor HP	Capacity TR	Recommended Motor HP
K1	50	25	40.0	30
K2	100	50	81.3	55
K3	150	75	121.9	80
K4	200	100	162.6	100
K6	300	150	242.0	150
K9	450	225	364.0	250

Why Choose Krypton Corporation?

■ Experienced Leadership:

Our planners and engineers have a strong background in the HVACR industry and bring years of expertise to every product.

■ Advanced Technology:

We use state-of-the-art computerised techniques for manufacturing high-quality compressors and other refrigeration equipment.

■ Customer-Centric Approach:

We focus on providing solutions that are tailored to our customers' needs, offering a large selection of products and services under one roof.

■ Global Standards:

Our products are designed and tested to meet international standards of performance, reliability, and efficiency.

Reach Out!



Krypton Corps Private Limited

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