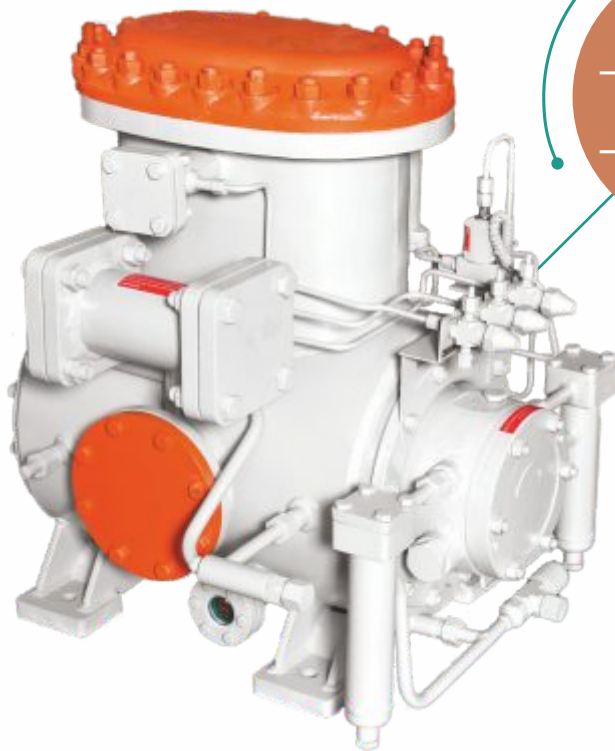


PCX - 2

Refrigeration Compressor



10%
Higher
COP

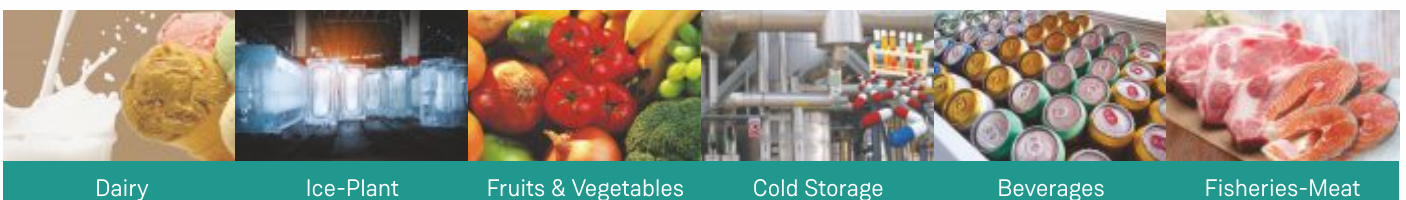
PCX-2 Features

- Higher Cop at full and part load operation
- High efficiency suction & delivery valve
- Power saving
- Low Vibration, low noise level
- Ease of service
- Low cost of maintenance
- Compact design - Low footprint
- Easy to package and to install
- Drive arrangement - Direct & Belt driven

Technical Data	No. of Cylinders - 2, Bore x Stroke - 110 X 85 mm, Swept Vol - 140.7 m ³ /hr at Max. Speed 1450 RPM
Compressor Model	PCX-2
Dimensions	L x W x H - 745 x 560 x 685 mm
Weight	250 kg - (w/o flywheel)
Refrigerants	NH3, R22, R134a, R404a and R507

Kirloskar Pneumatic Company Limited

Founded in 1958 as a part of Kirloskar group, Kirloskar Pneumatic Company is one of the most accomplished names in the RHVAC business. Due to its technological edge, Kirloskar Pneumatic has been enjoying customer preference for almost half the century serving products and customised solutions in diverse fields, such as industrial refrigeration, marine HVAC, gas compression, air compression and, transmission. Over 30,000 refrigeration and air-conditioning compressors are operating round the clock is the testimony to this. Kirloskar Pneumatic is now leading amongst the leaders in the manufacture of reciprocating open type refrigeration compressors. Kirloskar Pneumatic Company's wide spread Sales & Service Network supports trouble free operation. Corporate Office & manufacturing facilities are located in Pune and Saswad which houses the required infrastructure to support all its manufacturing processes. It has an in-house foundry, sophisticated testing labs, CNC machining centres, stress relieving furnaces and testing. Kirloskar Pneumatic is the most preferred supplier to almost all the national and international industries for industrial refrigeration applications.



Dairy

Ice-Plant

Fruits & Vegetables

Cold Storage

Beverages

Fisheries-Meat

Rating Chart for PCX2 Compressor

Refrigerant	Evaporating Temp oC	Condensing Temp			
		35		40	
		Qo 'kW'	Pe 'kW'	Qo 'kW'	Pe 'kW'
Ammonia	10	198.5	27.6	193.5	31.4
	5	164.6	27.3	158.2	30.5
	0	135.2	26.9	128.9	29.1
	-5	109.8	26.1	105.5	27.5
	-10	87.9	24.0	83.3	24.6
	-15	66.3	21.6	62.9	22.4
R22	10	179.1	32.9	168.9	36.1
	5	149.0	32.0	139.8	34.3
	0	123.5	30.5	116.0	32.5
	-5	100.6	28.8	94.8	30.2
	-10	81.1	26.6	76.1	27.6
	-15	64.2	24.0	60.0	24.8
R134a	-20	50.2	21.5	46.8	21.8
	10	92.5	20.4	86.8	21.2
	5	75.5	18.9	70.6	19.8
	0	61.0	17.7	56.7	18.7
	-5	48.6	16.5	45.0	17.4
	-10	38.2	15.4	35.0	15.9
	-15	29.3	13.8	26.5	14.0
-20	21.8	12.1	19.5	12.1	

Notes

- Qo = Refrigeration effect (Cooling Capacity)
- Pe = Power required at compressor shaft
- Capacity is at 1450 rpm
- Power Consumption and Capacities are proportional to the speed.
- Capacity is at 0oC superheat for Ammonia, 5oC for R22 &134a refrigerant
- Interpolation of ratings is permissible
- For any condition outside the range given above please refer to KPCL.

Approximate ice making capacity with Ammonia refrigerant at (-) 15oC evaporating temp & 40oC Condensing temp.

Compressor Speed 'rpm'	Ice Produced in 24 hrs 'Ton'	Required Shaft Power 'kW'
600	3.7	9.2
1000	6.2	15.4
1450	8.9	22.4

* Above capacities are subject to proper system design.

Note: Kirloskar Pneumatic Company reserves the right, as its direction, to change, modify specifications without prior notice

Kirloskar Pneumatic Company Limited

A Kirloskar Group Company

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