

KCX - 1

Refrigeration Compressor

1

Industrial Refrigeration, open type, Reciprocating (Piston) Compressor

2

Single cylinder, welded type construction

3

Refrigerants: Ammonia, HFC



KCX-1 Specifications

Air Cooled Cylinders

- Natural heat dissipating extra surface area.
- No need of cylinder water cooling/oil cooling.

Lubrication

- Low pressure, high performance, heavy duty Internal gear pump.

Capacity Controlling

- Simplified pistons for effective control.

Thrust Absorber

- Thrust bearing arrangement for high axial loads on C-shaft.

Quiet Operation

- Wide Foot print for stability.

Improved Oil Routing

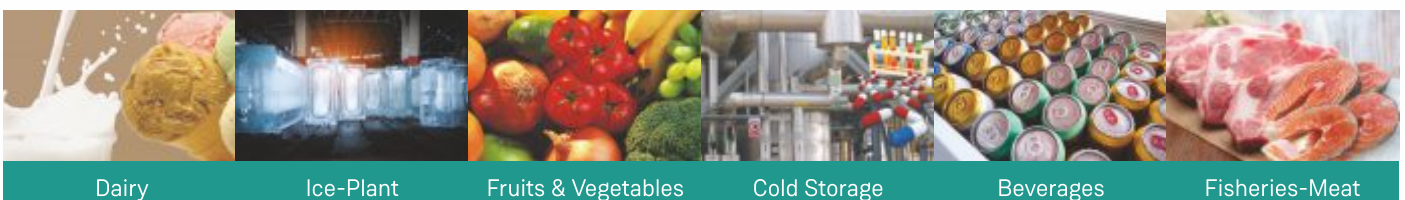
- Pipes-less routes for lubrication.

Low C O O

(Cost of Ownership)

- Result - High efficiency, Lowest maintenance, Round the clock operation.

| | |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Technical Data | No. of Cylinder 1, Bore x Stroke 160 x110 mm, Speed 400 to 1000 RPM, Swept Vol at 1000 RPM 132 m ³ /hr |
| Compressor Model | KCX1 |
| Refrigeration Capacity | 15 to 40 TR at 1000rpm |
| Evaporating | Suction temp (-) 15 to (+) 5 deg C |
| Condensing temp | 40° C |



Dairy

Ice-Plant

Fruits & Vegetables

Cold Storage

Beverages

Fisheries-Meat

Kirloskar Group

Designed for small capacity installations of dairy, ice plant & process cooling applications Kirloskar Group, a multi-billion US\$ entity, is one of the leading engineering conglomerate in India. It has more than 100 years of proven expertise in the specialist areas such as refrigeration, gas/aircompression, transmission, water, power with a portfolio of world-class products and tunkey solutions. Kirloskar holds the reput in the industry for its good business values and excellent customer satisfaction

Kirloskar Pneumatic Company

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.









Commitment to our Planet Earth

There is widespread anxiety today concerning damage to the environment due to industrial and commercial activities. In particular, there is global awareness about the destruction of the earth's protective shield i. e. the ozone layer, caused by Chlorofluoro Carbons (CFCs) & similar other man-made gases, some of which are used as refrigerants in Refrigerating System. However, at Kirloskar the future is indeed in safe hands since we ensure that environment friendly processes are adhered to from designing, manufacturing to commissioning of refrigeration system. Further, over the years, it has become our undeclared policy to promote Ammonia as refrigerant which is the most eco-friendly refrigerant having zero global warming potential (GWP) and zero ozone depletion potential (ODP). We sometimes use R-22 which has relatively low ODP (0.05) but we are committed to discontinue its use as specified by the Montreal Protocol.

Thus, we always remain committed to a safer and healthier world for all of us.

Certification and Awards

-  ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007.
-  Award of Excellence from Cold Storage Association of India.
-  CII Exim Bank Award for Strong Commitment towards Excellence.
-  CII Excellence Award in Energy Management.
-  CII Best Kaizen Award.
-  Employer Branding Award as Best Employer Managing Health at work.



Kirloskar Pneumatic Company Limited

A Kirloskar Group Company

REGD. OFFICE: Plot No. 1, Hadapsar Industrial Estate, Pune 411 013. Ph: 020-26727000 Fax: 020-26870297
Email: acr-compressors@kirloskar.com, imd@kirloskar.com, kpclassist@kirloskar.com

- MUMBAI:** 1002, Vikas Centre, 10th Floor, Dr. C. G. Road, Nr. Basant Cinema, Chembur (E), Mumbai 400 074.
Tel.: 022-2521 9500. Fax: 2520 2516. Email: rajesh.hotwani@kirloskar.com, netra.ghangurde@kirloskar.com
- AHMEDABAD:** 303, 'Samruddhi', Opp. Sakar III, P. O. Navjivan, Navrangpura, Ahmedabad- 380 014.
Tel.: 079-2754 1898, 2754 0030. Fax: 2754 1898. Email: arvind.shendage@kirloskar.com
- NEW DELHI:** 208, Meghdoot, 94, Nehru Place, New Delhi-110 019.
Tel.: 011-4656 1664/66. Fax: 4656 1653. Email: samir.chandra@kirloskar.com
- LUCKNOW:** 16, Vidhan Sabha Marg, Lucknow-226 001.
Tel.: 0522- 4028677, 2627120 Fax: 2627120. Email: kpcllucknow@kirloskar.com
- HYDERABAD:** 3-5-907, Office 403-4, MahavirLok, Himayatnagar, Hyderabad-500029. Tel.: 040-2326 0743 / 2326 0746.
Email: kpclhyderabad@kirloskar.com, Gopalkrishna.Malawade@kirloskar.com
- CHENNAI:** 5th Floor, B-Wing Building, KGN TOWERS, No.62, Ethiraj Salai, Egmore, Chennai-600008, Tel: 044-28193066, 2890436, 2892092 Fax: 044-8194397, Email: v.anjaiah@kirloskar.com, trimala.patro@kirloskar.com
- KOLKATA:** 15, Ganesh Chandra Avenue, Kolkata-700 013,
Tel.: 033-22119080/81. Fax: 22365586. Email: sajal.mukherjee@kirloskar.com

kirloskar
Pneumatic

www.kirloskarpneumatic.com

MULTI  **ISTA**

Customer Care:
+91 44 42030400
customercare@multivistaglobal.com

Service Care:
+91 44 40030400
servicecare@multivistaglobal.com

www.multivistaglobal.com