

FEATURES AND BENEFITS

The HFC 134a Refrigerant Advantage

- Positive pressure design eliminating requirements of purge unit, annual oil maintenance, filter changes, etc.
- No issues of refrigerant availability
- No penalty on efficiency due to ingress of moisture or non condensables in the system
- High motor life

Simple Single Stage Design Advantage:

- Optimized impeller designs
- Very high efficiency

Unloading Advantage:

- Simple hydraulically operated inlet guide vane control
- Movable discharge diffuser, ensuring excellent stability at low load condition, minimizes likelihood of surging at low load conditions
- Unloads to 10% of full load
- Thermostatic / Electronic Expansion Valve
- Superior refrigerant flow control over a range of operating conditions
- Better control of suction superheat
- Efficient operation at part loads compared to orifice plates / float devices

High Speed Gear Drive Advantage:

Very compact design
Lower vibration levels even at higher speeds
Allows use of Hydrodynamic bearings with Infinite Life
Select-able Impeller speeds to match application & tip speed
Easy to adapt to non-standard conditions



MODELS

"Excellent full load and part load efficiencies, high reliability and low maintenance cost are the hallmark of Kirloskar TURBOTEK™ Centrifugal Chillers."

With Single Compressor			With Dual Compressor		
Model No	Nominal TR	Nominal kW	Model No	Nominal TR	Nominal kW
KSC 063	200 ~ 320	700 ~ 1100	KDC 063	400 ~ 620	1400 ~ 2200
KSC 079	285 ~ 400	1000 ~ 1400	KDC 079	560 ~ 800	2000 ~ 2800
KSC 087	400 ~ 600	1400 ~ 2150	KDC 087	800 ~ 1200	2800 ~ 4300
KSC 100	550 ~ 750	1950 ~ 2650	KDC 100	1100 ~ 1500	3900 ~ 5300
KSC 113	725 ~ 850	2600 ~ 3000	KDC 113	1450 ~ 1700	5100 ~ 6000
KSC 126	850 ~ 1200	3000 ~ 4200	KDC 126	1700 ~ 2400	6000 ~ 8400