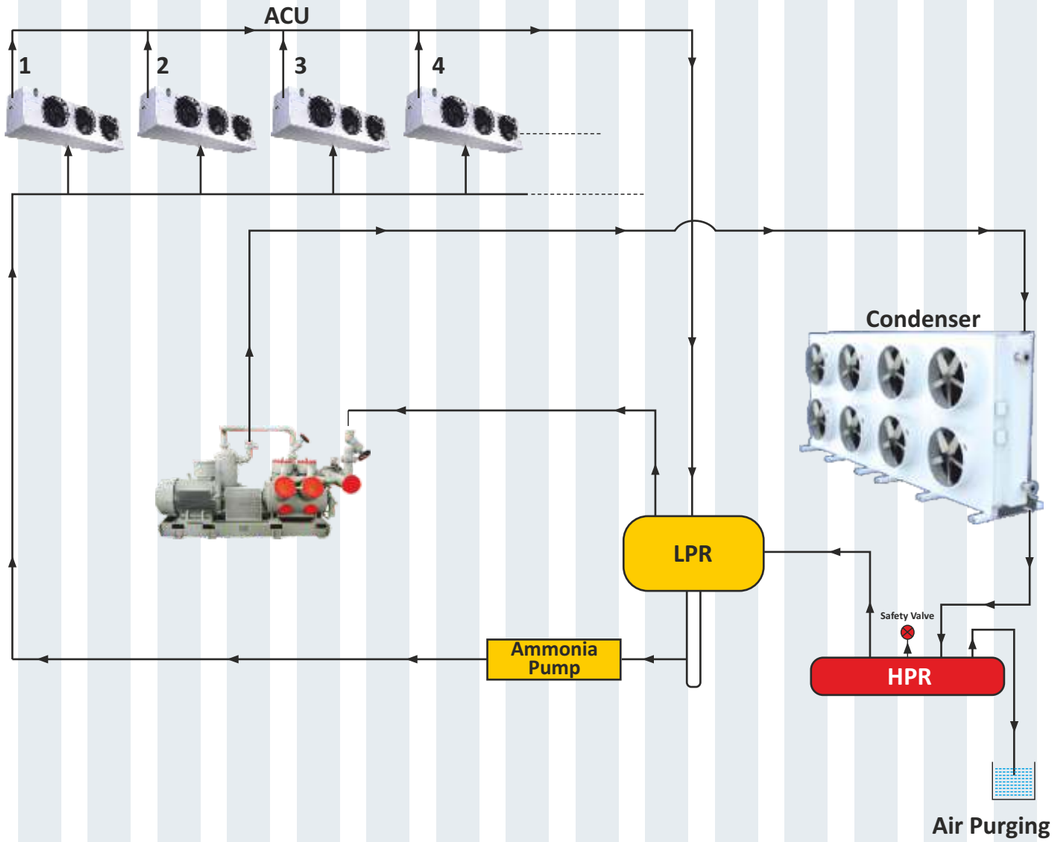
SALIENT FEATURES:

Water Free
Fully **A**utomatic
Blanket **K**ooling System
Direct **A**mmonia Pumping
Refrigeration
Air Cooled
Most **E**nergy Efficient Technology



Marketing, Distribution & Assembled by:

BKGEE PROJECTS LLP
Kundli, Sonipat, Haryana-131028
For Dealership Enquiry: Mail to: bkgeeprojects@gmail.com

*All Drawings, Pictures, Flow Charts are Indicative only.

WAKABRAE

State of the Art Technology

Water Free
Fully **A**utomatic
Blanket **K**ooling System
Direct **A**mmonia Pumping
Refrigeration
Air Cooled
Most **E**nergy Efficient Technology

World's most Efficient Liquid Overfeed Technology with NH_3 as refrigerant.

Nh_3 is the World's Most Efficient Refrigerant with minimal environmental problems.

- H **Most Energy Efficient**
- H **Super Heavy Duty**
- H **Tried & Tested Technology since more than 2 decades**
- H **Minimum Maintenance**
- H **Thorough Balanced System**

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COMPRESSORS

H One Working + One Fully Standby.

H Kirlosker make with VFDs.

H Crompton greaves or siemens make “Z” Grade Motors.

Note : KCX Series with Adiabatic Air Cooled Condenser is installed in areas where ambient temperature goes below 0 DegC.
KC Series with Water cooled evaporative condenser is installed in other areas.

AIR COOLING UNITS

H Air Throw as required for Blanket Cooling System.
H WING MAKE German Fan Impellors.
H Heavy Duty Motors Designed to run 24x7.
H Capable of Attaining 85% plus RH without the use of Humidifiers even during loading of Apples.
H SS304L Coils with Aluminium Fins.
H High Static Pressure to avoid any Hot Air Pocket inside the Chamber.
H All Hardware will be of SS304 grade to avoid any Rusting even at High Humidity Storage.
H Provision of Air Locks to avoid any kind of leakage.

CONDENSER

Air Cooled :

H Material of Construction SS304 Complete with HINDALCO grade Aluminium fins.
H Air cooled wtih provision of water Absorption & Evaporation for any abrupt Conditons if occur in future considering the global warming.
H Multiple fans for low Discharge pressure and less energy consumption.
H Evaporative type technology.
H No Water is Required hence no Scaling and no Deterioration in Capacity even after years of usage.

Water Cooled :

H Same technology as in air cooled condenser except that water is the medium to cool down, replacing air as the cooling medium.
H RO Water is used to minimize scaling on coils and hence minimize the degradation in capacity even after years of usage.

Accessories

H CONTROLS: DANFOSS MAKE DENMARK
H VALVES: TEFLON GASKET BASED WELDABLE VALVES OF DANFOSS MAKE.
H Dual Mode Safety Valve shall be provided on both LPR as well as HPR.
H Complete Pressure Pipe Line Shall of TATA Make “C” Class Grade.

Model No.	Compressor Model	Attached Motor in KW	Compressor Capacity in KW/TR @35°C Condensing @ -5°C Evaporating	AIR COOLING UNIT			CONDENSER		Sufficient for below No. of CA Rooms of 250MT Each.	Remarks
				Capacity in KW/TR / No. of Fans	Air Volume in CMH	Air Throw in MTRS.	Capacity in KW/TR	Air Volume in CMH		
WAK-3	KC4/KCX4	75	305/87@800RPM	40/11.5 / 3	40000	20-22	400/115	200000	15-18	Heavy Duty
WAK-4	KC4/KCX4	93	345/98@900RPM	40/11.5 / 3	40000	20-22	400/115	200000	18-22	Heavy Duty/Economical
WAK-6	KC6/KCX6	125	430/122@750RPM	40/11.5 / 3	40000	20-22	400/115	200000	20-26	Heavy Duty
WAK-6L	KC6/KCX6	125	430/122@750RPM	46/13.0 / 4	46000	20-22	600/171	300000	20-26	Xtra Heavy Duty
WAK-9	KC6/KCX6	125	460/130@800RPM	40/11.5 / 3	40000	20-22	600/171	300000	24-33	Heavy Duty
WAK-9L	KC6/KCX6	125	460/130@800RPM	46/13.0 / 4	46000	20-22	800/230	400000	24-36	Xtra Heavy Duty

*All the above values may vary by 5%.

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