



PRODUCT RANGE

SYSTEM AIR CONDITIONING DIVISION 2019



ABOUT LG

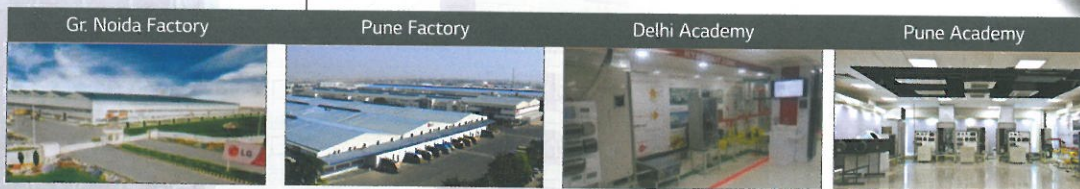
Ever since manufacturing of Korea's first home grown air conditioner began in 1968, LG has remained at the forefront of air conditioning innovation. LG has not only been the leading manufacturer of top notch energy efficient solution provider, but also has been amongst the top selling air conditioning brands globally.

With more and more focus on providing superior quality products, our team of experts work tirelessly to create solutions based on latest technologies to provide faster and smarter solutions.

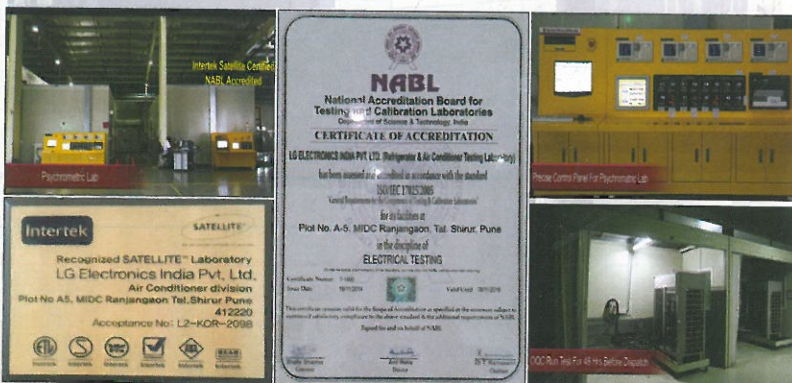
LG India through its world-class manufacturing facilities in Greater Noida & Pune, has been reaching out to its customers with its comprehensive product portfolio that includes chillers, VRF systems, ducted splits, rooftop units, cassette units, floor standing units and building management systems (BMS).

The company also produces outstanding air conditioning professionals at its esteemed academies located in Delhi & Pune, India. It has nearly 80 academies worldwide. These centres of excellence, provide workshops and training programs that offer invaluable hands-on experience. LG also provides useful tools for HVAC system engineers and installers, including its time saving LG Air Conditioner Technical Solutions (LATS) software.

GLOBAL PRESENCE



NABL CERTIFIED VRF TEST BED



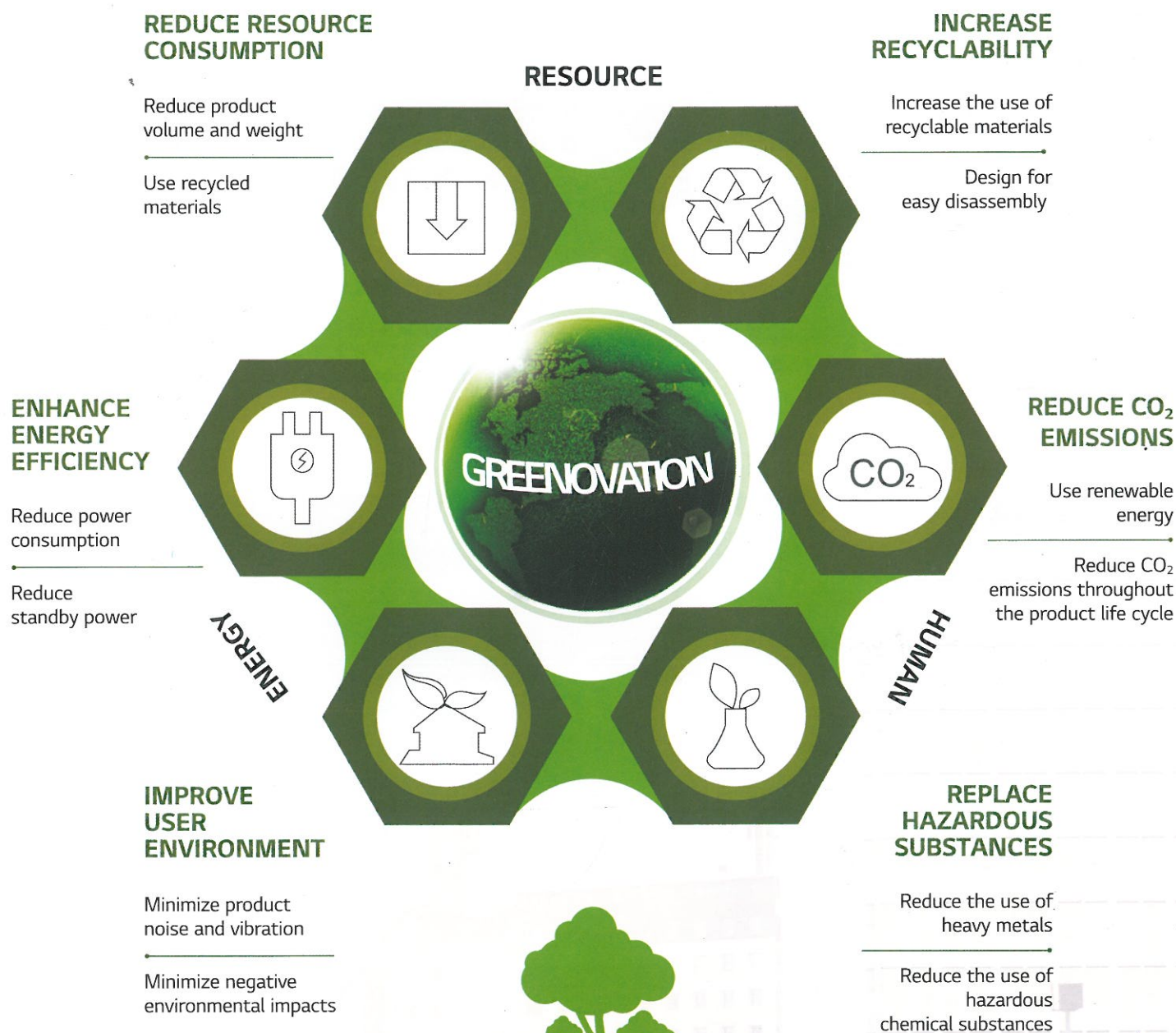
A fully automatic psychrometric lab in compliance with AHRI / IS standards accredited by NABL & INTERTEK of USA.

GREEN PRODUCT STRATEGY

LG Electronics has set a strategy to develop products that reduce the environmental impact throughout the life cycle of the products.

It is classified into three categories: **HUMAN, ENERGY, AND RESOURCE.**

STRATEGIC DIRECTIONS



LG Electronics has embarked upon a journey called **GREENOVATION** i.e. **GREEN INNOVATION**.

LIGHT COMMERCIAL SYSTEMS



INVERTER DUCTED



KEY FEATURES

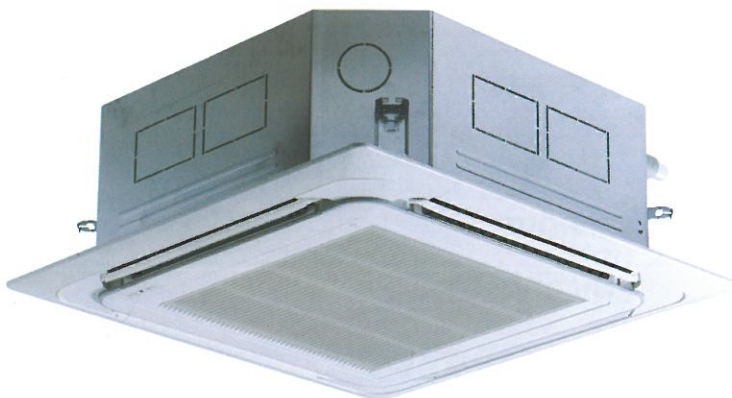
- Highest seasonal efficiency with all inverter compressors
- Precise temperature control with electronic expansion valve & inverter compressor
- Lower noise level with BLDC motors in indoor & outdoor units
- Ease of installation with optional drain pump
- Static pressure control from the remote controller
- Quick cooling with temperature & pressure sensors
- Widest continuous cooling operation range : -5 to 53 degree C
- Flexible installation with total piping of 50m length, including 30m vertical distance
- Available in 5.5 TR, 8.5 TR & 11.0 TR nominal capacities
- Also Available in 17.0 TR, 22.0 TR & higher capacities (in multiples of 8.5 TR & 11.0 TR) by combining 3rd party AHU's with LG outdoor units



INVERTER CASSETTE 4 WAY

KEY FEATURES

- High seasonal efficiency with inverter compressor
- Low noise level with BLDC motor
- Installation ease with inbuilt drain pump
- Uniform & personalized cooling with independent vane control & high ceiling mode
- Quick & precise cooling with both pressure & temperature sensors
- Powerful cooling even at high ambient temperatures



Type	Capacity (TR)	Height (MM)
3x3	1.5 & 2	204
	3	246
	4	288

Low unit height for space optimization



INVERTER CEILING CONCEALED DUCT



KEY FEATURES

- Slimmest IDU -190 mm height
- High seasonal efficiency with inverter compressor
- Low noise level with BLDC motor
- Installation ease with in-built drain pump
- Static pressure control
- Available in 1.5 TR & 2.0 TR capacities



INVERTER FLOOR STANDING

KEY FEATURES

- High seasonal efficiency with inverter compressor
- Low noise level with BLDC motor
- Aesthetically harmonized design with smart display & control
- Wide and uniform air flow up to 10 m
- Compact design
- Available in 3.0 TR & 4.0 TR capacities



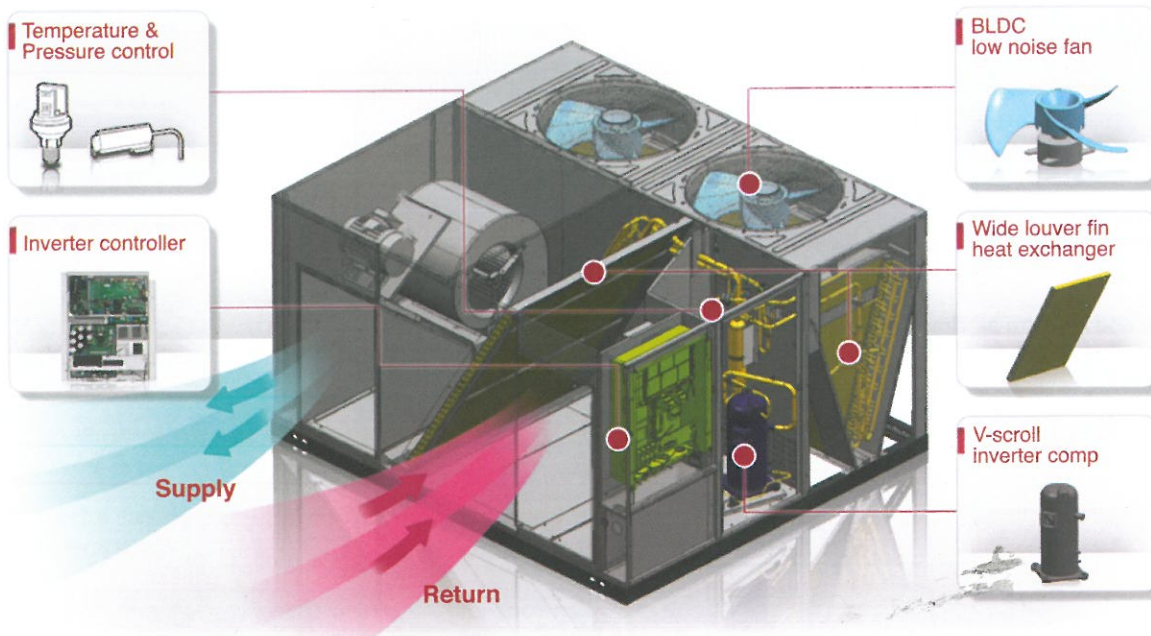


INVERTER ROOF TOP UNITS



KEY FEATURES

- High seasonal efficiency with inverter compressor
- Low noise level with BLDC motor
- High air flow up to 8000 cfm
- Saves valuable indoor space
- Available in 10 TR & 20 TR capacities



VRF SYSTEMS



MULTI V (VRF)

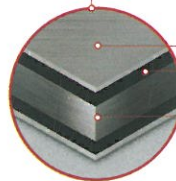


KEY FEATURES

- World-class efficiency with smart load control
- Powerful & quick cooling with extended compressor speed
- Widest continuous cooling operation range -5 to 53 degree C
- Space saving with largest ODU combination (88 hp)
- Highest corrosion resistance with 'Ocean Black Fin' technology



**Ocean
Black Fin**



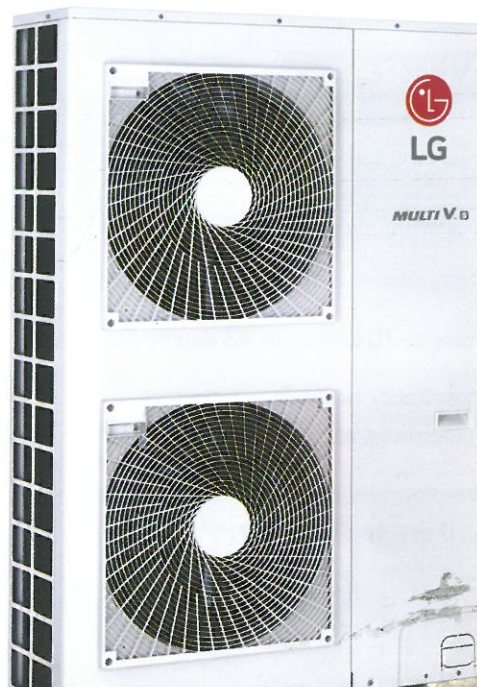
- Hydrophilic Coating
- Corrosion Resistant Black Coating
- Aluminum Fin



MULTI V S (VRF)

KEY FEATURES

- Ultra space saving with lowest footprint
- Ease of installation with light weight units
- Fan static pressure control
- Controllable from smart phones
- Available in 4 HP to 14 HP capacities



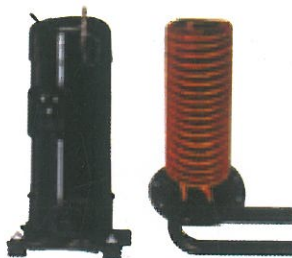


MULTI V WATER (VRF)



KEY FEATURES

- World-class efficiency up to 5.0 COP & 7.64 IPLV
- Ease of installation with light weight & compact units
- Stable performance irrespective of environmental conditions
- Available in 10 HP to 30 HP capacities
- Ease of maintenance with Shell & Coil Condenser



HYDRO KIT (FOR VRF SYSTEMS)

KEY FEATURES

- Advanced heat recovery solution for generating hot/cold water
- Industry's best hot water range up to 80 degree C
- Simultaneous heating, cooling and hot water generation
- Widest operating range -20 degree to 43 degree C
- Best solution for hospitality, healthcare, industrial, large residential applications etc.
- Available in high temperature (80 degree C) : 4 & 8 HP, mid temperature (50 degree C) : 4 & 10 HP





MULTI V (VRF) INDOOR UNITS

0.8 to 2.0 TR



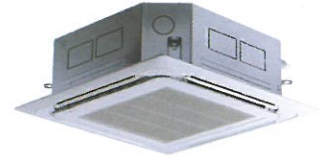
WALL MOUNTED

0.63 to 2.0 TR



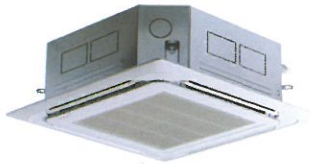
1-WAY CASSETTE

0.63 to 1.5 TR



COMPACT CASSETTE

0.8 to 4.5 TR



CASSETTE

0.8 to 2.0 TR



LOW STATIC DUCT

0.63 to 8.0 TR



HIGH STATIC DUCT

Fresh Air Intake Unit

4.0 to 8.0 TR



TFA

Ceiling/Floor mounted



DX AHU with Multi V



TYPES



WIRELESS REMOTE

- On/Off, Temperature Setting, Fan Speed, Auto Swing
- Vane Angle Control, Reservation, Time Display
- Can be used for Duct Models also (by using IR Accessory)



SIMPLE WIRED REMOTE CONTROLLER

- On/Off, Temperature Setting
- Fan Speed, Mode Change



PREMIUM REMOTE

- 5 inch Touch Screen with premium design
- Energy Management
- Yearly Scheduling, Group Control up to 16 IDU



AC EZ

- 32 Indoor Units, LCD Display
- Individual / Group Control
- Mode Change, Controller Lock



AC EZ TOUCH

- 64 units, 5 inch Touch Screen & Web Access.
- Schedule Events, Error History, Remote Lock
- Energy Save Mode, Emergency Stop



AC SMART IV

- 128 units, 10.2 inch Touch Screen, Dynamic UI
- Interlocking, Peak Control, Time Limit, Yearly Schedule
- Energy Statistics, Operation Report, Emergency Display



ACP IV

- 256 units, PC / Tablet & Remote Access
- Device Interlocking, Priority & Capacity Control Mode
- Operation History, Energy Management & Reporting



AC MANAGER IV

- 8192 units, PC Software for Integrated Management.
- Power Consumption Monitoring, Visual Navigation
- Interlocking, Virtual Group Control



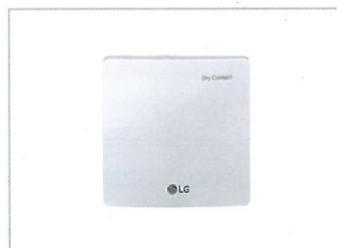
BMS GATEWAY

- 256 units, Interface b/w BMS & LG Air Conditioner
- Supports BACnet, LonWorks, Modbus Protocols
- Back up controller in case of BMS Failure



POWER DISTRIBUTION INDICATOR (PDI PREMIUM)

- Monitoring IDU power consumption through PDI
- 8 ODU Systems can be configured with one PDI
- Statistical report through Central Controller



INTEGRATION DEVICE (DRY CONTACT)

- Connection between IDU & external devices to control various functions
- Key Tag, Fire Alarm, Motion / Lighting / Door Sensor
- Interlocking with open protocol for Home Automation



SMART SOLUTION

- System Air Conditioner mobile app to control & monitor anytime and anywhere
- Compatible with iOS or Android Devices



TOTAL MANAGEMENT SYSTEM

- Cloud Based Building Solution
- Facility Management System
- Remote Access & Easy Control
- Quick Service & Repair

CHILLERS

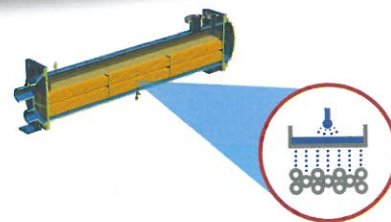


WATER-COOLED SCREW CHILLER



KEY FEATURES

- ➊ Capacity : 75 ~ 500 TR
- ➋ High Performance : Twin rotor screw compressor
- ➌ Falling Film Type Evaporator : a) High thermal efficiency
b) Low refrigerant charge
- ➍ Reliability & Stability : a) Multiple compressors with independent refrigerant circuits
b) Stable oil reclaim system
- ➎ Controls : User friendly 7 inch LCD screen, with tactile buttons for scheduling, trend display & log data



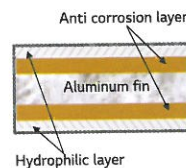
AIR-COOLED SCREW CHILLER

KEY FEATURES

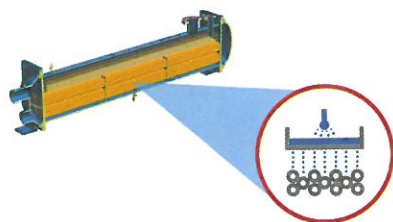
- ➊ Capacity : 74 ~ 500 TR
- ➋ High Performance : Twin rotor screw compressor
- ➌ Falling Film Type Evaporator : a) High thermal efficiency
b) Low refrigerant charge
- ➍ Reliability & Stability : a) Multiple compressor with independent refrigerant circuits
b) Stable oil reclaim system
c) Gold fin coating
- ➎ Low Noise Fan Module : Sound attenuation design



Patented Chloride-induced corrosion resistant



Salt Spray Test
15 Days later





CENTRIFUGAL CHILLER



KEY FEATURES

- Capacity : 200 ~ 3000 TR
- World-class COP : Up to 6.7
- High Energy Efficiency : a) Optimized 1 & 2 stage compressor cycle
b) Economizer with variable refrigerant control
- Stable Operation : Variable diffuser, Oil reservoir
- Reliability : AHRI certified world-class factory performance test facility
- Eco-friendly : R-134A refrigerant
- Convenience : User friendly control, Touch screen panel/LCD screen with tactile buttons for scheduling, trend display & log data



MAGNETIC BEARING CENTRIFUGAL CHILLER

KEY FEATURES

- Capacity : 260 ~ 2200 TR
- World-class Low Power Consumption : COP of 7.0 / IPL V of 12.0 *
- Oil Free : Longer life and increased reliability
- Compact Size : 20% smaller
- Low Noise Levels : At least 10 dBA lower
- High-precision Temperature Control : ± 0.1 degree C

* 500 TR capacity chiller



LG INNOVATION

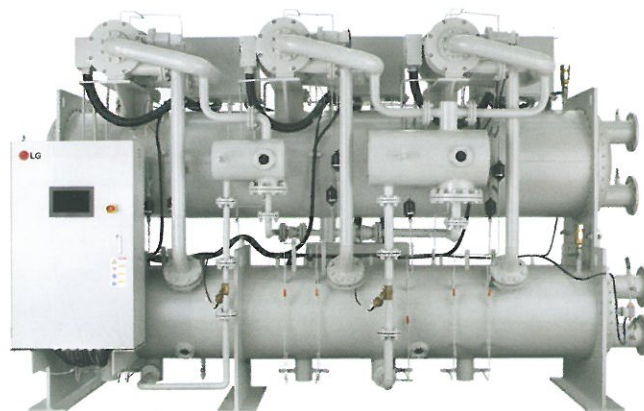


AIR BEARING CENTRIFUGAL CHILLER

LG INNOVATION

KEY FEATURES

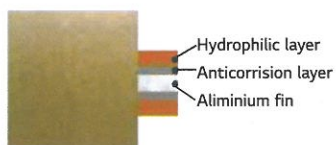
- Capacity : 100 ~ 300 TR
- World-class Low Power Consumption : COP 6.4 / ILPV 11.3
- Oil Free : Longer life and increased reliability
- Compact Size : 20% smaller
- Low Noise Levels : At least 10 dBA lower
- High-precision Temperature Control : ± 0.1 degree C
- High Efficiency Drive : a) High speed direct drive shaft
b) Hydrodynamic gas foil bearing



AIR-COOLED INVERTER SCROLL CHILLER

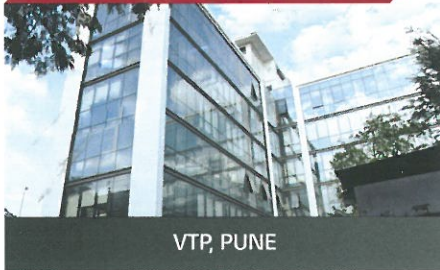
KEY FEATURES

- Capacity : 20 ~ 180 TR
- Eco-friendly : R410A refrigerant
- World-class Efficiency : a) Helical internally grooved copper tubes
b) V shaped condenser
- High Performance : Hermetically sealed DC inverter scroll compressor
- Reliability & Stability : Double layer coating on condenser fins
a) Anti corrosive b) Weather resistant
- Low Noise Fan Module : Sound attenuation design



FEW PRESTIGIOUS PROJECTS

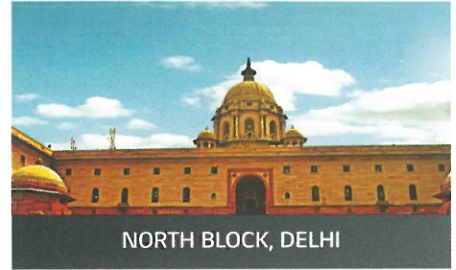
OFFICE



VTP, PUNE



L&T TECHNOLOGIES, BENGALURU



NORTH BLOCK, DELHI



RS SOFTWARE, KOLKATA



HCL, NOIDA



UNITECH INFOSPACE, KOLKATA

RESIDENTIAL



DLF CREST, GURGAON



SUNRISE SYMPHONY, KOLKATA



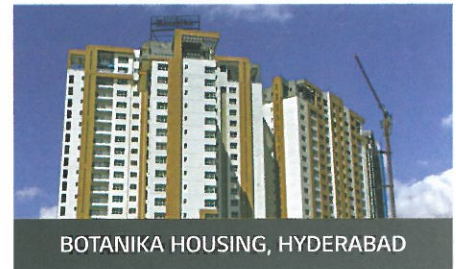
DLF COMMANDER'S COURT, CHENNAI



SALARPURIA, BENGALURU

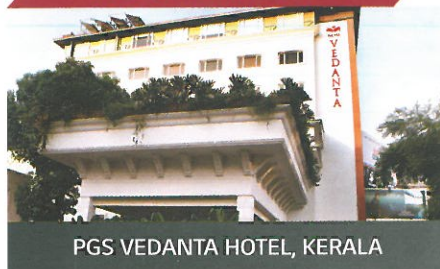


RAHEJA, MADH ISLAND, MUMBAI



BOTANIKA HOUSING, HYDERABAD

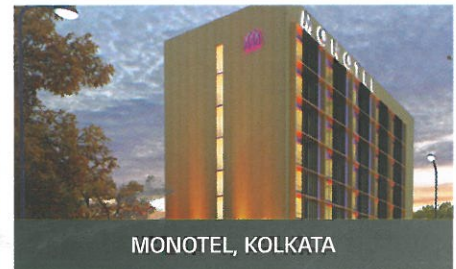
HOSPITALITY



PGS VEDANTA HOTEL, KERALA



ATMANTAN HEALTH RESORTS, PUNE



MONOTEL, KOLKATA



HOLIDAY INN EXPRESS, CHENNAI



HINDUSTAN INTERNATIONAL, PUNE



CLARKS INN, HUBLI

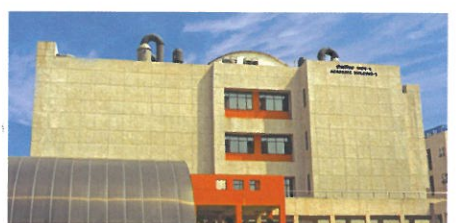
EDUCATION



CENTRAL UNIVERSITY, GULBARGA



KIIT UNIVERSITY, BHUBANESWAR



IISER, BHOPAL



SYMBIOSIS COLLEGE, PUNE



SCOTTISH SCHOOL, GURGAON



NATIONAL PUBLIC SCHOOL, CHENNAI

HEALTHCARE



KIRAN HOSPITAL, SURAT



AYUSH HOSPITAL, VIJAYAWADA



HOPE INTERNATIONAL, KAKINADA



7 HOSPITALS, KOLKATA



CLOUD 9 HOSPITAL, GURGAON



KERUDI HOSPITAL, BAGALKOT

RETAIL & PUBLIC FACILITY



SPACE OLYMPIA, AURANGABAD



INSPIRIA MALL, PUNE



TOPIWALA MALL, MUMBAI



MARUTI SHOWROOM, SILIGURI



DMRC, DELHI NCR



HALDIRAM RESTAURANT, KOLKATA

FACTORY



H K DIAMOND, SURAT



MERCEDES BENZ, PUNE



CROMPTON GREAVES, BHOPAL



STELIS BIOPHARMA, BENGALURU

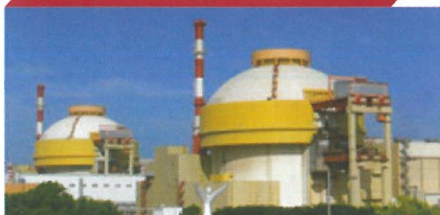


RVNL, DANKUNI



TITAN, COIMBATORE

CHILLERS



NUCLEAR POWER PLANT, KUDANKULAM
CENTRIFUGAL CHILLERS



TANGEDCO POWER PLANT, CHENNAI
SCREW CHILLERS



HANIL AUTOMOTIVE, CHENNAI
SCREW CHILLERS



RELIANCE MART, JAMNAGAR



TITAN, HOSUR



DSIDC, DELHI

AFTER SALES SERVICE

The mission of the System Air conditioning (SAC) customer service function is to always convey a passion for customer care and to consistently deliver the best service experience. We strive to provide timely, responsive service, with integrity & simplicity, while meeting or exceeding customer expectations.



SERVICE NETWORK

- Widest network of authorized service centres & partners to provide after sales services to our esteemed customers
- Equipped with latest service tools & service experts who are committed to provide highest standards of customer delight
- **46 Branches** across India for SAC Sales & Service
- More than **350 Service Centres** across India
- 2 dedicated training academies
- Dedicated service vehicles for spare parts management
- Online portal for all service requirements
- Dedicated Call Centre for SAC customers

WHY LG SERVICE CONTRACT

LG Service contract ensures

HIGH QUALITY SERVICE, RAPID RESPONSE AND RELIABILITY.

It makes your system perform efficiently and in a trouble free manner.

Some benefits accruing to customers are:

- Prevention of breakdowns
- Savings in energy and repair costs
- Increases efficiency & performance of the system
- Longer life span of equipment
- Reliable and genuine spare parts

FOR ANY QUERY CALL US BETWEEN 9AM TO 9PM

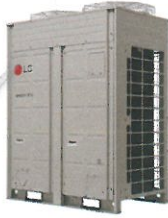
1800-180-3575

E-MAIL US ON

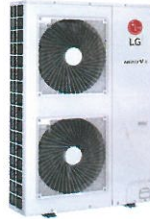
cac.service@lgpartner.com

WIDEST RANGE OF GREEN AIR CONDITIONING SYSTEMS

MULTI V IV (VRF)



MULTI V S (VRF)



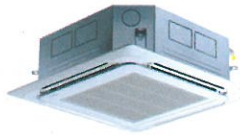
MULTI V WATER (VRF)



HYDROKIT



INVERTER CASSETTE



INVERTER FLOOR STANDING



INVERTER ROOF TOP



INVERTER DUCTED



TFA



AIR COOLED SCREW CHILLER



WATER COOLED SCREW CHILLER



AIR COOLED INVERTER SCROLL CHILLER



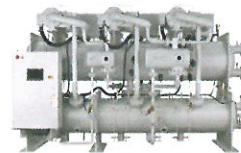
CENTRIFUGAL CHILLER



MAGNETIC BEARING CENTRIFUGAL CHILLER




AIR BEARING CENTRIFUGAL CHILLER



CONTROL SOLUTION





 **LG 12 x 7** (9am to 9pm) CALL CENTRE

 **1800-180-3575**
(Service Toll Free)

 www.lg.com/in
sac.service@laeapartner.com

To know more about LG, visit www.lg.com/in/business
For Corporate/Institutional enquiries,
please write to sac.marketing@lae.com

