

Efficiency Meets Performance

Get on top of your HVAC needs with the Voltas inverter VRF System.



- 88 HP COMBINATION
- 1 KM TOTAL PIPING LENGTH
- ECO-FRIENDLY
- UNIQUE AIR COOLING FOR EC PANEL

Inverter Variable Refrigerant Flow (VRF) Systems



8 HP 22 HP 44 HP 66 HP 88 HP

Top Discharge



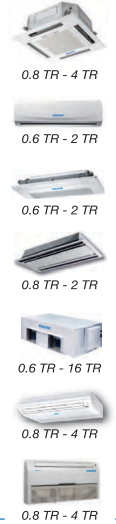
8 HP - 12 HP 14 HP - 22 HP

Side Discharge



2.9 HP - 16 HP

Indoor Units



Water Cooled



8 HP - 12 HP 14 HP - 36 HP

Controls and Accessories



BMS Connectivity -> BACnet & LonWorks & Modbus

Voltas SOLU^{VRF} Ducted Series

Ceiling Suspended type

Available in 6 TR, 9TR, 12*TR, 18*TR & 24*TR

Floor mounted Packaged* type

Available in 6 TR, 9TR, 12TR, 18TR & 24TR



- Powered by BLDC Inverter Scroll Compressors to give high energy savings
- Precise temperature control with Electronic Expansion Valve
- High durability with industry highest refrigerant piping limit of 50m equivalent.
- Wide operating range upto 55°C ambient temperature

These features of SOLU^{VRF} DUCTED SERIES shall enable the user to SAVE considerably on AC Energy Bill, cater VARIATION in air-conditioning load, achieve PRECISE temperature control and REDUCE initial electrical investment.

- HIGH ENERGY SAVINGS
- BLDC INVERTER
- ECO-FRIENDLY
- BMS COMPATIBLE

Package & Ductable Split Air Conditioners

Available from 1.5TR to 22TR



BMS COMPATIBLE



- Standard Ceiling Suspended Ducted Split AC: 1.5 TR to 22 TR
- Standard Floor Mounted Packaged AC: 5.5 TR to 22 TR
- Medium: Air-Cooled Type & Water Cooled Type
- High performance Floor Mounted Packaged & Ceiling Suspended Ducted Split AC: 5.5 TR to 17 TR
- High Performance Ranges: AERO (For High Airflow Application), THERMO (For High Ambient Application) & TROPICO (for High Airflow and High Ambient Application)

Not Just cooling.... Air Quality too



- Near Total Elimination of Mould, Fungi, and Microbes on Cooling Coil and Drain Pan
- Near 100% elimination of Endotoxin and Pathogens on coil
- Improves Heat Transfer Efficiency up to 20%
- Earns LEED and GBC Merit



- H₂S at 4 ft. from point of discharge will be < 1 ppm
- Eliminates large fans and ducts in STP plant room
- Reduced operating cost and space



UV Germicidal Irradiation System

- 90% kill rate of bacteria & virus, per pass. 99% attainable
- Rated average lamp life of 16000 hours - highest in the industry



Kitchen exhaust air deodorisation system

- Odour depleting system for exhaust air from kitchen/laundry/ garbage compacting rooms/ food processing units/ dairy plants etc
- Reduction in odour of 80% or more

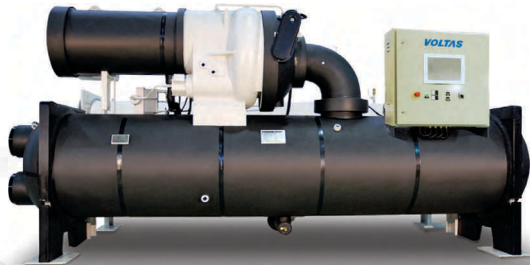


Variable is the New Certainty



Voltas Centrifugal Chillers

Capacity 300 TR – 2500 TR



- Dual Stage Centrifugal Compressor for superior Efficiency and performance
- ECBC / ASHARE 90.1 Complaint
- Available with VFD / IEEES19 Complaint
- Suitable for high cooling water conditions and thermal storage application
- Compact Foot Print for ease of installation and maintenance
- Microprocessor Panel, BMS compatible



Magnetic Bearing Centrifugal Chillers

Capacity 90 TR – 800 TR



- Oil free magnetic Centrifugal Compressor for superior Efficiency and performance
- ECBC / ASHARE 90.1 Complaint
- VFD driven with IEEES19 Complaint
- Low inrush current
- High Part load efficiency with energy saving up to 35%
- Compact Foot Print for ease of installation and maintenance
- Oil free compressor – low maintenance and operational cost
- Microprocessor Panel, BMS compatible



Energy Efficient Water Cooled Variable Speed Screw Chillers

Capacity 100 TR – 410 TR



- Compact screw Compressor for superior Efficiency and part load performance
- Efficient Flooded Evaporator and condenser with high heat flux tubes
- Low refrigerant charge
- ECBC / ASHARE 90.1 Complaint
- VFD driven, low inrush current – available with IEEES19 Complaint
- Suitable for high cooling water conditions and thermal storage application
- Low Noise, Compact Foot Print for ease of installation and maintenance
- BMS compatible fMicroprocessor with remote monitoring



Energy Efficient Water Cooled Screw Chillers

Capacity 60 TR – 410 TR



- Compact screw Compressor for superior Efficiency and part load performance
- Efficient Flooded Evaporator and condenser with high heat flux tubes
- Low refrigerant charge
- ECBC / ASHARE 90.1 Complaint
- Suitable for high cooling water conditions and thermal storage application
- Low Noise, Compact Foot Print for ease of installation and maintenance
- BMS compatible fMicroprocessor with remote monitoring



**Energy Efficient Air Cooled Screw Chillers
(Fixed and VFD Variants)**

Capacity 80 TR – 470 TR



- Compact screw Compressor for superior Efficiency and part load performance
- Efficient Flooded Evaporator
- Pre-coated Condenser coil with low noise fans
- Modular Construction for large capacity packages, ease of erection
- ECBC / ASHARE 90.1 Complaint
- Suitable for high ambient conditions and thermal storage application
- Low Noise, Compact Foot Print for ease of installation and maintenance
- BMS compatible fMicroprocessor with remote monitoring

HIGH EFFICIENCY WIDE RANGE ECO-FRIENDLY COMPACT DESIGN

Air Cooled Scroll Chillers

Capacity 10 TR – 110 TR



- Advanced Scroll compressor technology for longer compressor life
- Efficient U Bundle Dx Evaporator
- Pre-coated Condenser coil with low noise fans
- Multiple refrigerant circuits
- Suitable for high ambient conditions and thermal storage application
- Low Noise, Compact Foot Print for ease of installation and maintenance
- Proactive Microprocessor control system, BMS compatible with remote monitoring
- Available in R407c/R22 & R410a refrigerants

HIGH EFFICIENCY WIDE RANGE ECO-FRIENDLY MULTIPLE CIRCUITS

Water Cooled Scroll Chillers

Capacity 12 TR – 100 TR



- Advanced Scroll compressor technology for longer compressor life
- Efficient U Bundle Dx Evaporator
- Multiple refrigerant circuits, Flexibility in operation
- Suitable for high cooling water conditions and thermal storage application
- Compact Foot Print for ease of installation and maintenance
- Proactive Microprocessor control system, BMS compatible with remote monitoring
- R407c/R22 & R410a refrigerants

SCROLL AIR-COOLED AND WATER-COOLED CONDENSING UNITS ARE AVAILABLE

HIGH EFFICIENCY WIDE RANGE ECO-FRIENDLY MULTIPLE CIRCUITS

Process Cooling and Hydrocarbon Refrigeration System

Capacity 10 TR – 750 TR



- Wide range of Reliable Products with Screw compressors ranging from 0°C to Minus 80°C Temperatures
- Customised system design and integration to process needs
- Voltas engineered components accordance to governing codes and standards
- Enhanced process control and efficiency through customised automation with PLC's/DCS
- Refrigeration system with Eco-friendly and Natural Refrigerants
- Technical / system support in life cycle operation

CUSTOMISED SOLUTIONS 0°C TO -80°C TEMP. ECO-FRIENDLY AUTOMATION

Chillers

Process Cooling