

ASC

AIRCONDITIONING SPARES CENTRE

...reach beyond business



The Largest Authorized Distributors :



Authorized Dealer :

RefComp



dixzell
our experience...your solutions

Rexford
Super Flow™



Over 90 million scroll installed



Emerson Copeland- Market Leader & Pioneer in Scroll Technology for last 4 Decades

Airconditioning & Refrigeration Scroll Compressor

ZR, ZB, ZF & ZP (R410a) Series Available in R22 / R407C/ R134A / R404A / R410A in the range of (+)20 to (-)40 deg C Evaporation. Ultra high Efficiency, low sound levels, available in Eco- Friendly refrigerants. - The unique design patented by Emerson, with Advanced Scroll Temperature Protection Available in All Voltage & dual frequency. Tandem ready option available. Oil sight glass, Rotalock & Schrader Valve features. Global supply : Emerson has nine scroll plants on three continents, all manufactured to the identical demanding standards. Emerson has offices and wholesaler networks across the world to support any customer, no matter where they are.



ZRD/ZBD Digital Scroll Compressors

Benefits :

- Energy Efficiency : Proven scroll technology paired with mechanical unloading system, provides greater reliability and efficiency

Reliability and Ease of service :

- Less complicated compared to variable speed technologies and other modulation technologies due to elimination of oil return issues

Intelligent systems:

- Continuous capacity modulation range of 10-100% for precise part load efficiency
- Precise temperature control for precision cooling and humidity control

Refrigerant Scroll Condensing Units: ZX & ZXL Condensing Units:

- Specially designed for MT & LT application up to 7.5 hp in the range (+)12 to (-)40 deg C Evaporation
- Highly successful in the Asian market
- Proven Energy Saving results in quick pay back period.
- Features "E2 Controller" which eliminates the external control panel.
- Diagnostic Modules for real time monitoring & quick turnaround
- MT CDUs benefit from patented scroll suction injection technology this allows the scroll compressor to provide a superior envelope
- LT CDUs with vapor injection technology, helps in improving efficiency & extends envelope
- Won Energy efficiency award by CII



Emerson Semi Hermetic compressor with the Latest "Stream Technology"

Key Features :

Diagnostics CoreSense™ Diagnostics technology helps your refrigeration equipment last longer. This technology offers advanced compressor protection, diagnostics, communication and power consumption measurement.

Efficiency: Its unique valve technology makes Stream 10%-15% more efficient than any other compressor and therefore helps you reduce the carbon footprint and running cost of your installation.



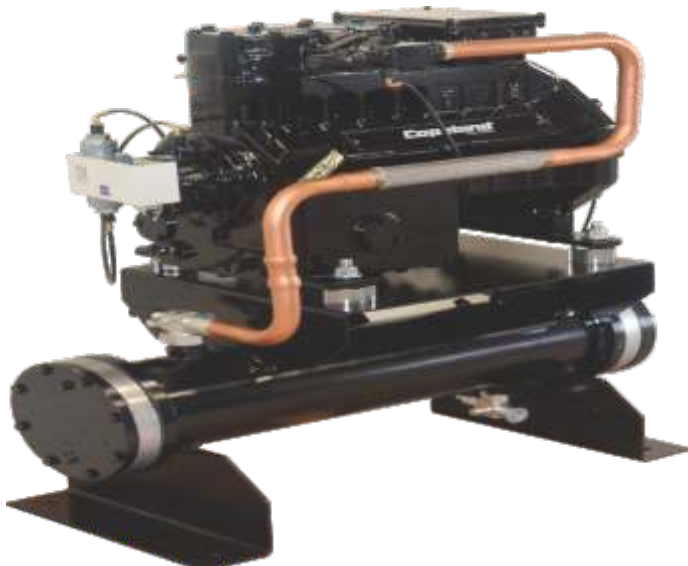
Semi Hermetic Compressor

- Rugged design=> extended durability
- Wide range starting from 0.5 up to 70hp
- Crank case Heater & Oil pressure switch as standard features
- 2 stage Compressor up to 30hp
- Fit for medium & Low Temperature application
- Consistent quality since 1941
- Factories in all major continents for prompt delivery.

Emerson Watercooled Semi Hermetic Condensing Units (single & 2 stage compressors) (Medium & Low temperature applications) Low operating cost , robust design & constructions (0.7 to 50hp)

Benefits :

- High Efficiency Shell & Tube condenser design with flexible no. of passes
- Provision of mounting plate for compressor & safety accessories on condenser shell
- Modular layout & easy access to piping
- Fully customized to customer requirement



Emerson Air Cooled Hermetic/ Semi Hermetic Condensing Units (Medium & Low temperature applications)

Benefits :

Designed for high ambient , generously sized condensers lower the condensing pressure and increase the savings
Unmatched efficiency & Reliability
Standard scope of supply with quality accessories
Multi-refrigerant capability with R404a, R407C, R134a, R22, R407F....

Key Benefits:

- | | |
|------------------|--|
| Project | • Reduce Applied System Costs |
| Service | • Manage On-Site Compressor Data |
| | • Facilitate Predictive Maintenance |
| End Users | • Reduce Maintenance Cost |
| | • Increase System Uptime/Reduces food loss |



High efficiency, Robustly designed & engineered, India built and customized for your refrigeration need.

Comprehensive range from 20-300HP for high, medium and low temperature operation; designed for multi refrigerants.

EMERSON MULTI COMPRESSOR RACK Large Capacity Refrigeration Low and Medium Temperature

Benefits :

- Choice of Technology : High efficiency Copeland semi hermetic or scroll compressor; 2 to 4 compressor combination.
- Adequately size discharge and suction header for smooth refrigerant distribution and avoid oil traps.
- Factory installed HP/LP switches , oil management system, control to ensure the safe operation of the system.
- Robust and sturdy frame to minimize noise and vibration with easy access to components.
- Effective oil management system to ensure high reliability and safe operation of Rack.

Scroll Condensing units with Vapor injection for Low Temperature applications, 7.5 to 20 HP

ENERGY EFFICIENCY:

- Proven Scroll technology paired with vapor injection technology for 15-20% higher efficiency.

RELIABILITY & EASE OF SERVICE

- Low temperature compressor operation reliability with vapor injection
- Low sound and vibration leading to smooth and peaceful operation.

INTELLIGENT SYSTEM

- High discharge temperature control through onboard control for vapor injection.
- LED display alerts user of DLT sensor status and EXV operation enabling easier troubleshooting.



Emerson (India) Built Condensing Units (With above Compressors)

- Available in FHP & IHP Range
- Easy to fit ... Ready to Chill
- Better Aesthetics with Compactness
- Faster Delivery being Sourced locally
- Specially designed models for Bulk Milk Cooling (BMC) applications



Out Door CDU for Cold Room/Process Cooling/Freezer Room in Box Type (KHM/ KHR/KHZ Series)

Key Application Segments

Banana Ripening, Fruits / Vegetables cold storages, Ice cream storage, Pharma, Industrial Chillers In Plastic /Rubber Industry etc.

Advantages

- Compact, Sleek And Smart
- Silent Operation
- Multi-Refrigerant
- Powder Coated Body
- Better Protection Against Rain



Hermetic compressor (Reciprocating type- CR/KCM/ECZ/KCE/KCN/KCJ Series)

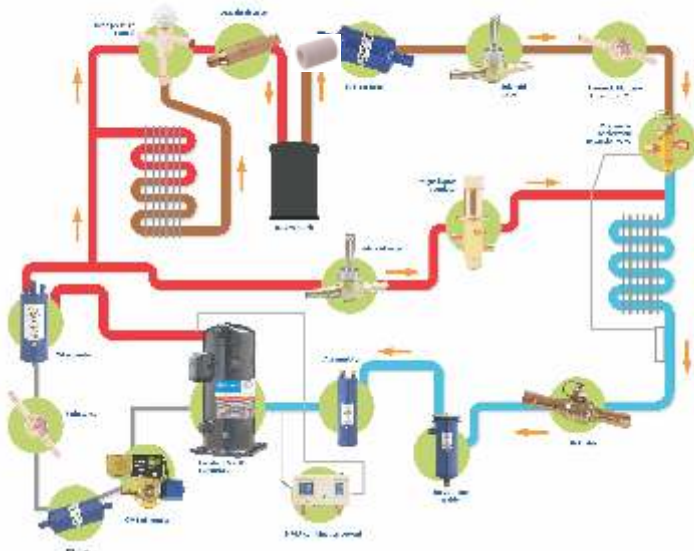
- Fractional and Integral Horse Power compressors provide perfect cooling, creating value for its users
- Nominal capacity upto 5 TR
- Super tropicalized, can work in higher ambient
- Superior Efficiency ensured using CAE facility at Atit , India Plant
- High liquid handling capacity
- Market leader in FHP & IHP refrigeration Compressor
- The countrywide Sales and Service network





Emerson (Alco) Flow controls & Systems Protection Devices

Install Confidence ... with Emerson Climate Technologies



- Emerson Flow controls play crucial role in achieving superior outcomes, with its flawless mechanism & smooth operation
- Available in very wide range
- Imported by ASC from across the globe for your ease of sourcing



EC3-X33 with ECD-002



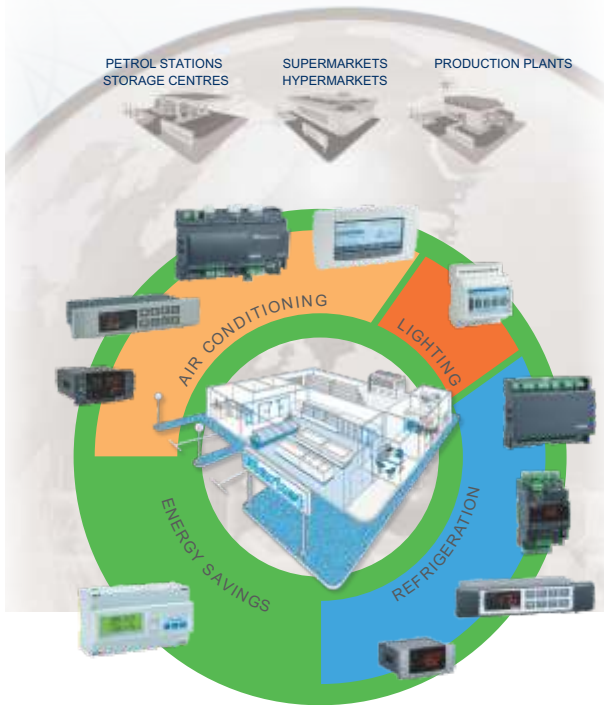
EX-8



EXD-U00

Electronic Expansion Valves with following features :

- Multifunction as expansion valves, hot gas bypass, suction gas throttling, head pressure, liquid level actuator etc.
- Applicable to all common refrigerants (HCFC, HFC) and for subcritical CO₂ applications
- Very fast full stroke time
- High resolution and excellent repeatability
- Bi-flow versions for heat pump applications
- Positive shut-off function to eliminate the use of an additional solenoid valve
- Extremely wide capacity range (10 ... 100%)
- Corrosion resistant stainless steel body and connections



Dixell Controllers & Supervising systems

Research, great experience, regulation and design innovation: these are the elements that allow Dixell to offer controllers and supervising systems that are in the forefront for all commercial and industrial refrigeration applications & air conditioning fields.

Results prove that Dixell systems are in synergy with all regulation components ensuring:

- better performance
- greater efficiency
- a complete local and remote monitoring
- maximum environmental preservation

Applications :

Airconditioning, Refrigeration (Cold rooms, Blast Freezers), Hypermarkets, Dairy Industries Other potential fields are: chemical-pharmaceutical, oenological, naval, museums, hospital, etc.

Dixell Systems conform to HACCP rules



The XWEB System family is based on web technology used to satisfy monitoring and supervising requirements in Commercial and Industrial Refrigeration fields from small shops to hypermarkets, and refrigerated warehouses to food production centers.



Blast Freezer & Cold storage units in Freon (R22/R404a/R134a/R407C...) & Ammonia (Nh3) options

Highlights :

TÜV HACCP certified: suitable for foodstuff processing applications

- ◆ Performance indications according to EUROVENT
- ◆ R o b u s t construction with casing /drip tray made up of Corrosion resistant Aluminium alloy AlMg3 with option of Stainless steel
- ◆ I n t e r n a l l y Grooved tubes for DX systems, enhancing heat exchange
- ◆ Staggered / Aligned tube pattern with tube size Ø12 mm/ 15 mm
- ◆ Wide range of Fin spacing
- ◆ Blast freezer units Equipped with Güntner's proven floating coil design which prevents any contact of the refrigerant-carrying tubes with the supporting frame.
- ◆ Optimized Refrigerant distributor for an Even run loading
- ◆ Low Noise maintenance free drive motors, with thermal contacts integrated in motor windings
- ◆ High Efficiency EC fans with 2 speed to adjust as per load requirements as an option
- ◆ Axial Fans balanced in two levels-Balance quality Q6.3, as per DIN ISO1940
- ◆ Caters to wide range of applications, Walk-in cooler to Blast Freezers with more than 30 models



Cubical



Slimline



Dual Discharge



Blast Freezer



AIRCOOLED CONDENSERS



- EUROVENT Certified Performance
- Space saving construction at high nominal capacity
- Low width
- Low height
- Low refrigerant charge
- Low soiling of fins due to optimal fin design (fin not splitted)
- Güntner's patented "floating coil" principle



Evaporative Condensers - ECOSS (Ammonia / Freon) in Stainless Steel



Benefits :

- Advanced water distribution system
 - A better return on investment (payback)
 - Easy cleaning (spray nozzle, basin, coil)
 - Eco-Friendly: Ecologically sustainable equipment. Higher durability and less aggressive manufacturing process to the environment when compared to a galvanized condenser.
 - High resistance to aggressive detergents
 - Hygienic material combination
 - Less capacity loss caused by inlay over the time due the smooth surfaces
 - Longer life cycle compared to galvanized equipment
 - Less operation weight
 - Provided with Plug-and-Play system to control and manage EC fans via GMM
- Thermal performance tested and proven in laboratory, according to ASHRAE.



RefComp- SRC-S /134-S (Compact), SW Semi-hermetic Refrigeration Screw Compressor

RefComp Italy The world Famous Brand for Screw Compressor.

Specialized in Commercial Refrigeration Compressor 25 Years of Exploration in Screw Technology for Energy-saving and Environment-Protection. The First R134a Screw Compressor in the world The First Frequency-converter-integrated Screw Compressor in the World.



SRC-S



134 - S
(R134a Series)



134 - I
(with built-in Inverter & VI)



SW Series
(Low Temp)



Screw Compressor Pack



SRMTEC Open Type Single Stage/ Compound Two-Stage Refrigeration Screw Compressor Package

SRM Sweden The Inventor and leader of screw Compressor 100-Year legacy of technical quality & energy efficiency. Focus on screw technology for one hundred years More than 3 million screw compressor all over the world are technologically licensed by SRM



SRMTEC Open Type Single Stage Refrigeration Screw Compressor Package

Semi-hermetic Compound Two-Stage Refrigeration Screw Compressor



SRMtec Intelligent Modularized NH₃/CO₂ Secondary Refrigerant(Brine) Units



Why choose Alfa Laval BHEs?

- Compact, durable designs with consistently high quality; ease of installation.
- Extensive range of BHE models providing cooling capacities from 0.5 to 600 kW.
- Equalancer system provides a substantial saving in heat transfer surface compared to BHEs with traditional distribution system.
- Cost efficient: space savings due to the compact design of BHEs compared to shell-and-tube heat exchangers.
- Rapid response to temperature changes due to small hold-up volume and lower refrigerant charge.
- Optimized design for every duty with customized BHE configuration to customer's own specifications.
- Every BHE is pressure and leak tested before delivery, ensuring top quality products.
- Alfa Laval offers first-class manufacturing facilities, global presence and high product availability.
- Alfa Laval's continuous investments in R&D ensure the most competitive solutions.

Flow Principle



Condenser



Evaporator



Alfa Nova

All BHEs including components are made in acid proof stainless steel material 1.4401, and fusion bonded with AlfaFusion™ technology using stainless steel material suitable for Ammonia & other corrosive gases.



◀ Combi Dryers (Air Dryer Heat Exchanger)

Range : 10- 825 SCFM

- Compact size -Significantly reduces the refrigerant hold-up volume
- Highly efficient thermal performance and low pressure drop minimizes power usage
- Full compatibility with the most common refrigerants



Semi welded Plate Heat Exchanger (Ammonia)



PLATE HEAT EXCHANGER (GASKETED)

- Up to five times greater heat transfer Values
- Operational security in case of leakage
- Saves space and servicing time



GASKETED PHE

Alfa Laval Shell & Tube Heat Exchangers

Alfa Laval condenser :

- High performances due to special design finned Cu and Cu/Ni tubes and tube geometry.
- 2 passes & 4 passes version.
- Easy installation and maintenance
- Solutions for applications with fresh water & sea water



Condenser for Fresh & Sea Water applications

Alfa Laval Evaporator :

- The first shell and tube evaporator optimised for R407C & R134a
- Exalted performances with no size increase, thanks to new high efficiency tubes and design
- Exchange tubes designed to ensure a safe flow for the most viscous lubricant oils
- Reduced water side pressure drops
- A range designed to operate as a standard in heat pump mode
- Extractable tube bundle
- Stainless steel versions



Shell and Tube dry expansion Evaporators



ASC

Superflow make fans :



- 200 mm to 800mm dia (Axial fans)
- 175mm to 250mm dia (Centrifugal Backward Fan)
- Single Phase/ 3 Phase
- Suction / Discharge
- Dual Frequency 50/60Hz motor
- Optimized performance with high air flow & low noise level
- Ideal for Aircooled Condenser & Evaporators
- Wide operating temperature range suitable for High/Low/Med. Temperature applications



Super Flow Liquid Receiver

Rexnord Q-motor & Instrument cooling fans



Emkarate RL Refrigeration Lubricants



Refrigerants (R22,R134a, R404a, R407C, R410a etc.)



ASC

- One stop shop for all Airconditioning & Refrigeration needs
- Complete Refrigeration solution for Blast Freezer, Cold Storages, Deep Freezers, Water & Brine Chillers, Oil Cooler, Panel AC, Refrigerated Air Dryers, Bulk Milk Cooler (BMC) etc.
- The Largest Authorized Wholesaler for Emerson and Distributor for Guentner & Alfa Laval
- Direct Import from across the globe
- Ex stock Availability => Faster project completion
- Team of Professionals

Accolades
Best performance award from
Emerson & Alfa Laval
consistently

Also Deal in: Suniso Oils, Kriwan compressor safety modules, Rotary compressors & AC Indoor units upto 2 TR, Copper tubes, Fitting, Insulations, Storage devices & other refrigeration accessories

ASC AIRCONDITIONING SPARES CENTRE

AUTHORISED WHOLESALER FOR

Emerson (Copeland, Dixell, Alco), Dealer : Guentner Refrigeration Products
Authorized Distributors : Refcomp And Srm Make Screw Compressors For Alfa Laval Heat Exchangers,
Emkarate Oilsdealers In Refrigeration & Air Conditioning Accessories, Refrigerants, Oils
MUMBAI H.O. : 7, Radhika Niwas (Opp. Vishal Hall), Sir M. V. Road, Andheri (E), Mumbai- 400 069.
Tel.: 022-2683 4991/1104 Telefax:022-26833983 Email: sales@accentre.in & coldchain@accentre.in
NORTH : 379-A, GF, Chirag Delhi, Near PNB ATM, New Delhi - 110017.
Tel. : +91 8826834449, E-mail : northsales@ accentre.in