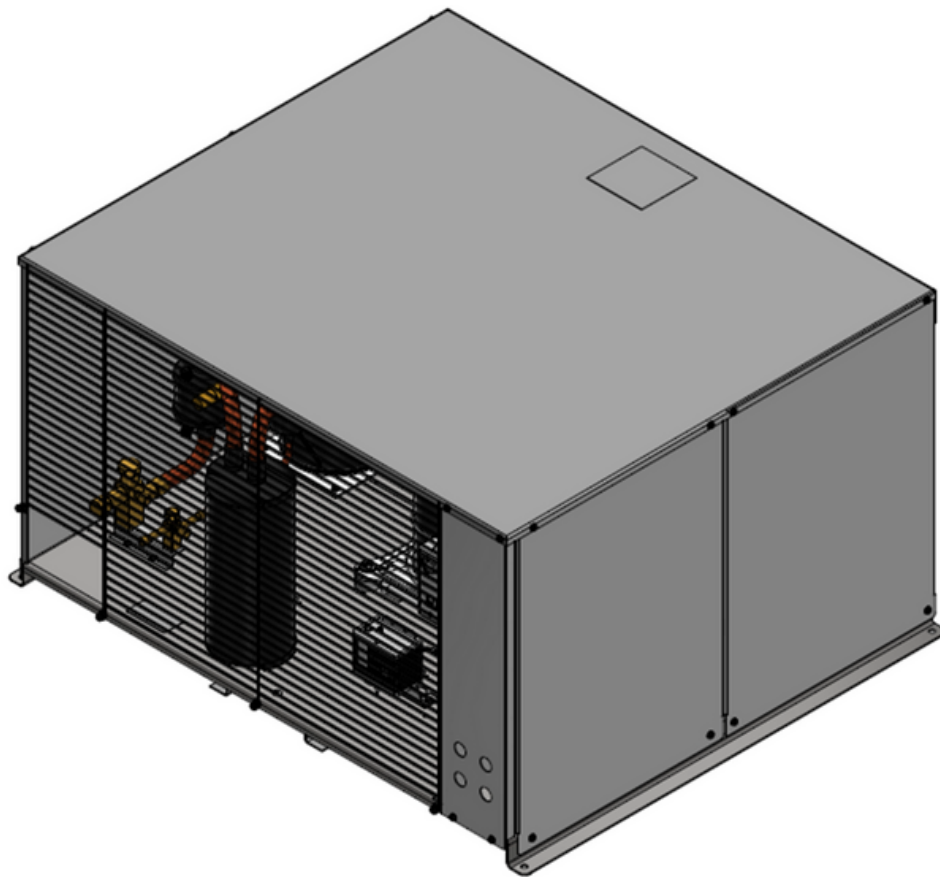


RDI®

120 SERIES SYSTEMS ***REFRIGERATION PACKAGES***

R404A Air Cooled
Indoor/Outdoor Condensing Units



RDI Refrigeration Systems

800.826.7036 | rdisystems.com

RDI[®] 120 SERIES SYSTEMS

REFRIGERATION PACKAGES

Highest Ambient Operating Temperature in the Industry 120°F

CONDENSING UNIT

- Ambient temperature range -20° F to 120°F
- 1-year parts and labor warranty
- Less run time = lower energy usage
- Longer life
- PC (Pre-Charged) condensing unit
- Refrigerant charge suitable for up to 50' of line run
- Includes all necessary controls for proper operation



EVAPORATOR ASSEMBLIES

- Saves time and money at install
- All necessary controls, TXV, solenoid, and temperature control, for proper operation factory mounted and tested
- Air defrost coils have a built-in timer within the temperature control; does not require an additional timer
- Electric defrost coil time Clocks ship loose



REAL BENEFITS

- They simply continue to condense and cool at higher ambient temperatures, where the competitive units cannot
- Compressors discharge temperature is lower increasing compressor life
- Energy consumption is lower because of the increased efficiency in THR (Total Heat Rejection)

CONTACT YOUR LOCAL RDI DISTRIBUTOR FOR MORE INFORMATION

PC Advantages of 120 Series Refrigeration

RDI Pre-Charged Condensing Unit	VS	Leading Competitor Condensing Unit
-20°F to +120°F	Ambient Range	-20°F to +110°F
Standard	Refrigerant Charge	Limited Option
Standard	Oversized Condenser	Option
Standard	Condenser Copper Tub Aluminum Fin	Standard Some Models
Standard	Oversized Receiver	Option
Standard	Angle Valve at Receiver	Standard
Standard	Base Valves Liquid & Suction	Standard Some Models
Standard	PSC Fan Motor	Standard
Standard	Liquid Line Dryer	Standard Some Models
Standard	Sight Glass	Standard Some Models
Standard	Rated Indoor / Outdoor	Standard Some Models
Standard	Weather Housing Included	Standard Some Models
Standard	Components Mounted & Wired	Standard Some Models
1 year Parts & Labor	Standard Warranty	1 Year Parts Only

RDI Evaporator Assembly	VS	Others Evaporator Assembly
Standard	TXV Factory Installed	Option
Standard	Solenoid Factory Installed	Option
Standard	Digital Temp Control Installed	Option
1 year Parts & Labor	Standard Warranty	1 Year Parts Only

Note: Average field installed cost of refrigerant (R404A) is \$20 per pound.

- 1/2 Hp medium temp system requires 5.5 lbs of refrigerant = 5.5 x \$20 = \$110
- 5 Hp medium temp system requires 17.0 lbs of refrigerant = 17 x \$20 = \$340
- Savings on refrigerant cost does not include extended labor to evacuate CU and Charge system (typically 4 hrs).

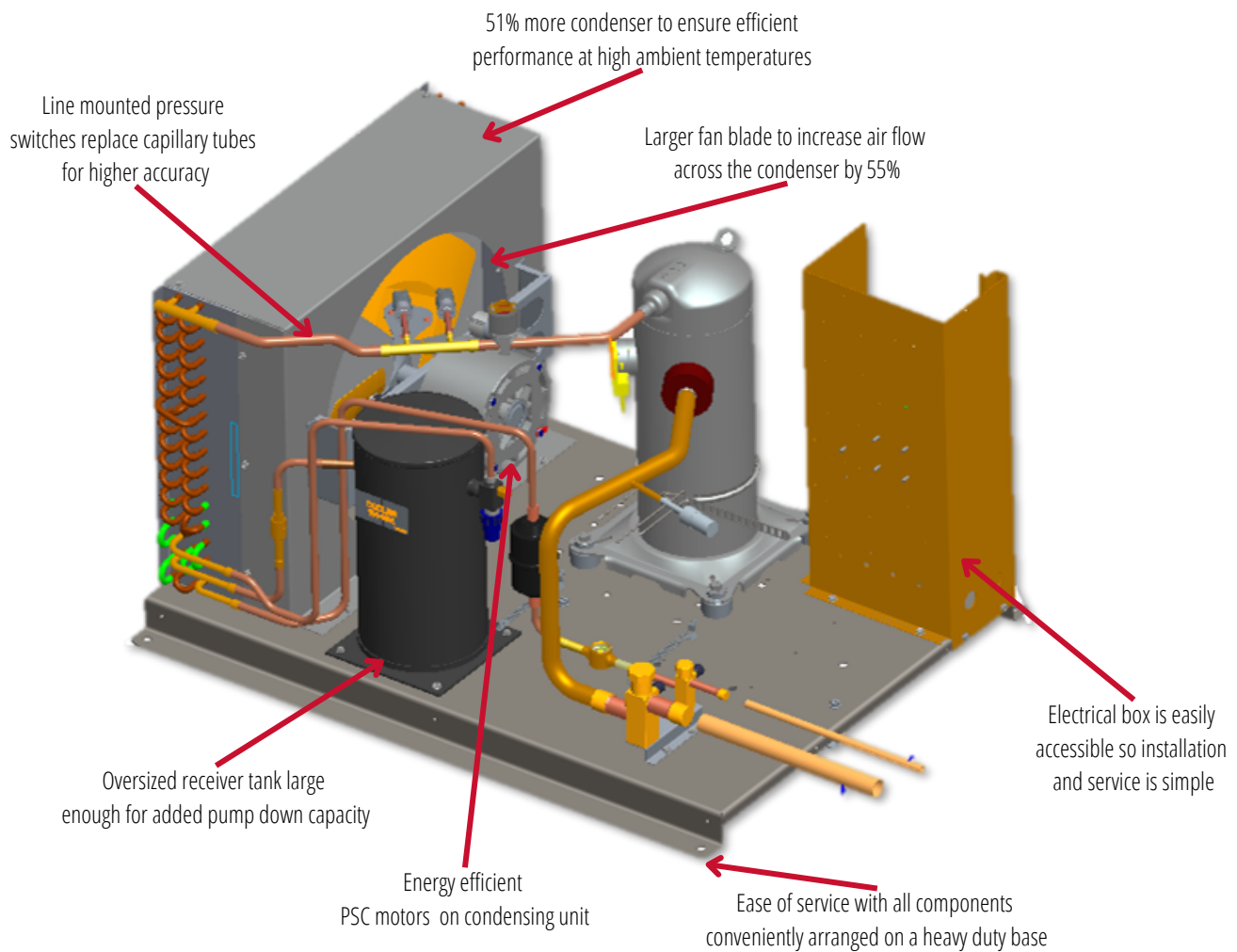
120 Series Systems are designed to work at 120°F ambient due to the inclusion of a larger condenser that provides for increased air flow as compared to the other units with smaller condensers.

CONTACT YOUR LOCAL RDI DISTRIBUTOR FOR MORE INFORMATION

Condensing Unit Design, Features & Benefits

The PC Refrigeration system includes a condensing unit and an evaporator assembly and is supplied charged with R404A refrigerant sufficient for a 50' line run. The condensing unit assembly is designed to be remotely located. Installation involves securing the evaporator assembly on the interior of the walk-in, locating the condensing unit in a suitable area near the walk-in, installing refrigerant lines between the condensing unit assembly and the evaporator assembly, evacuating the evaporator assembly and refrigerant lines and opening the base valves provided on the condensing unit assembly. An electrician must bring power to the condensing unit and evaporator assembly.

Energy Efficient Components



CONTACT YOUR LOCAL RDI DISTRIBUTOR FOR MORE INFORMATION

120 Series Refrigeration Features & Options

	DESCRIPTION	STANDARD (-E)	STANDARD PLUS (-EP)	PREMIUM (-P)	CANADIAN (-C)
Controls	Encapsulated High Pressure Control	Std	Std	Std	Std
	Encapsulated Low Pressure Control (med temp)	Std	Std	Std	Std
	Encapsulated Low Pressure Control (low temp)	NA	NA	NA	NA
	Encapsulated Fan Cycle Control*	Std	NA	NA	NA
	Adjustable Low Pressure Control	Std	Std	Std	Std
	Adjustable Fan Cycle Control	NA	NA	NA	NA
	Crank Case Heater (low ambient)	Std	Std	Std	Std
	Flooded Head Pressure Control Valve	NA	Std	Std	Std
Condenser	Condenser (copper tube aluminum fins)	Std	Std	Std	Std
	Oversized Condenser for 120° Ambient operation	Std	Std	Std	Std
	Condenser fan motor(s) PSC	Std	Std	Std	Std
	Condenser fan blade(s) individually balanced	Std	Std	Std	Std
Receiver & Piping Components	Oversized Receiver	Std	Std	Std	Std
	Receiver shut off valve	Std	Std	Std	Std
	Base valves liquid & suction	Std	Std	Std	Std
	Suction line vibrasorber	NA	NA	NA	NA
	Discharge line vibrasorber	NA	NA	NA	NA
	Liquid and Suction line piping stub outs	Std	Std	Std	Std
	Suction accumulator (Low Temp)	NA	NA	Std	Std
	Suction accumulator (Med Temp)	NA	NA	NA	Std
	Suction filter	NA	NA	Std	Std
	Oil Separator (long line runs)	NA	NA	Opt	Opt
	Fused Disconnect Switch (line item shipped loose)	Opt	Opt	Opt	Opt
	Fused Disconnect Switch (mounted & wired)	NA	NA	Opt	Opt
	PRV - (Chicago Valve)	Opt	Opt	Opt	Opt
	Heated Insulated Receiver	NA	NA	NA	Std
	Liquid Line Drier	Std	Std	Std	Std
Liquid Line Moisture indicator sight glass	Std	Std	Std	Std	
Defrost	Defrost Lock Out (Low Temp)	NA	NA	Std	Std
	Time Clock shipped loose (Low Temp)	Std	Std	NA	NA
	Time Clock shipped loose (Med Temp)	Std	Std	NA	Std
	Time Clock Mounted & Wired in electrical box (Low Temp)	NA	NA	Std	Std
	Time Clock Mounted & Wired in electrical box (Med Temp)	NA	NA	Std	NA
Refrigerant	Refrigerant Charge (PC - 50')	Std	Std	Std	Std
	Dry Nitrogen Holding Charge	NA	NA	NA	NA
Housing	Galvanized Steel Weather Proof Housing	Std	Std	Std	Std
	Electrical Control Panel with cover	Std	Std	Std	Std
Testing	Leak Testing prior to shipment	Std	Std	Std	Std
	Dielectric Testing	Std	Std	Std	Std
	Agency Listing to UL Std 1995 & comparable CSA Std	Std	Std	Std	Std

CONTACT YOUR LOCAL RDI DISTRIBUTOR FOR MORE INFORMATION

RDI[®]

RDI SYSTEMS

2915 TENNESSEE AVE NORTH, PARSONS, TN 38363
800.826.7036 | rdisystems.com

About RDI

RDI offers a wide range of energy-saving and environmentally-friendly products and features. We have designed our units for maximum performance with minimum environmental impact, all while saving you money on energy costs, operating costs and overall cost of ownership.

For more information contact your local RDI Distributor or visit rdisystems.com