



ECO-FRIENDLY
HFO BLENDED
REFRIGERANTS &
DOE COMPLIANT

SPLIT-PAK™

REMOTE REFRIGERATION SYSTEMS

REMOTE CONDENSING UNITS

RSG Split-Pak™ condensing unit models are specially designed to function in high temperature environments.

Components are pre-wired and factory mounted. Package options on the basic standard remote unit include a factory pre-charged system on 5 HP units and under with quick-connect liquid and suction line sets up to 50 ft.

Condensing units are available in hermetic and compliant scroll compressor models, with or without matching evaporator coils. They are factory assembled on a galvanized steel angle leg base and range from 1/2 to 15 HP. For needs above 15 HP, please consult factory for the best option, including multi-compressor systems.



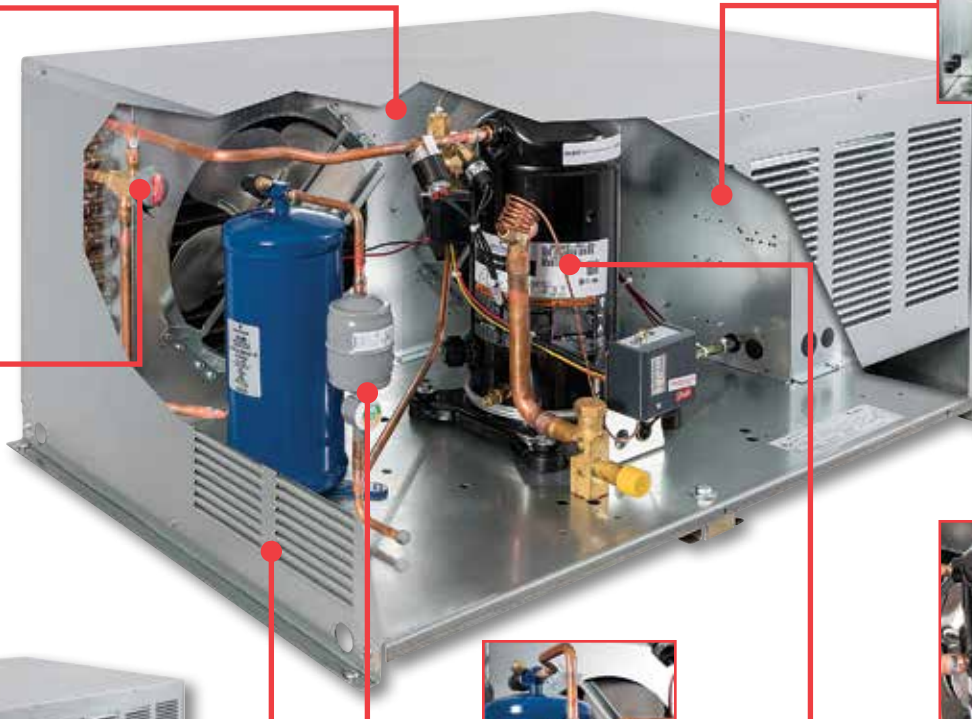
Generously-sized condenser for dependable performance



Head pressure control valve ensures proper operation in low ambient conditions



Standard weather hood for protection against the elements



Standard pre-wiring kit



Standard pre-piping kit including sight glass



Compliant, energy efficient scroll compressors featured exclusively in low temp units for added reliability



Dedicated medium temp outdoor condensing units meet the DOE requirement of a minimum AWEF rating of 7.61 (Btu/W-h). Components may vary depending on horsepower and application. Consult factory for verification of standard and optional supplied components.

EVAPORATOR COILS

Split-Pak condensing units can be provided with a matching evaporator coil for a complete remote refrigeration system.

Evaporator coils are ready to mount in position and are available with air (off cycle) defrost, electric defrost or optional LogiTemp® Plus Reverse Cycle Defrost. Each is also furnished standard with a properly sized expansion

valve and room thermostat. Energy efficient EC motors are standard on single phase coils.

Electric defrost models feature defrost termination/fan delay controls and drain line heaters.

A pre-mounted solenoid at the evaporator is available as an option.



BUILT WITH THE INSTALLER IN MIND

Split-Pak systems are designed for simple, efficient installation. Tubing connections and electrical wiring, for example, can be easily traced through the circuitry. Following these clear pathways, an installer can have a system operational very quickly, saving the customer time and money.

Split-Pak systems are also designed to be easily serviced should the need arise. Each component is chosen based on its ability to interchange and its availability for installers and service technicians. Individual components are conveniently located on the condensing unit base for easy access.



Electrical wiring in Split-Pak condensing units is easily traceable for the installer.

LOGITEMP® ELECTRONIC CONTROLLER SYSTEM

LogiTemp is an electronic controller system designed to increase food safety while reducing energy and installation costs. [It is standard on Split-Pak freezer systems 6 H.P. and above and optional on other systems.](#)

FOOD SAFETY

- More precise and reliable controls than an all-mechanical system for increased food safety
- Should there be an issue with the refrigeration system, operators will know instantly through error codes and data provided online

INSTALLATION SAVINGS

- No wiring is required between evaporator coils and condensing units (2 pairs of low voltage wires, typically thermostat cables, are required to operate the Reverse Cycle Defrost valve and the compressor relay at the condensing unit).
- A LogiTemp-equipped system uses less refrigerant with no winter charge necessary

ENERGY SAVINGS

- Patented design saves up to 27% more energy than an all-mechanical system
- Demand Defrost technology initiates defrosts only as needed for further energy savings
- Defrost time, when initiated, is also greatly shortened
- LogiTemp Plus with Reverse Cycle Defrost option provides additional savings (see sidebar at right)
- Save 2-4% more energy with the fan cycle option which saves electricity by cycling the evaporator fans during the compressor's off cycle

CONNECTIVITY

- Software loaded on each controller allows remote monitoring and programming using any device with a wireless internet or cabled (cat 5) connection
- No need for a service tech to climb onto a roof or enter the walk-in to monitor or adjust the refrigeration system
- Constant data access allows users to improve refrigeration performance and avoid service issues

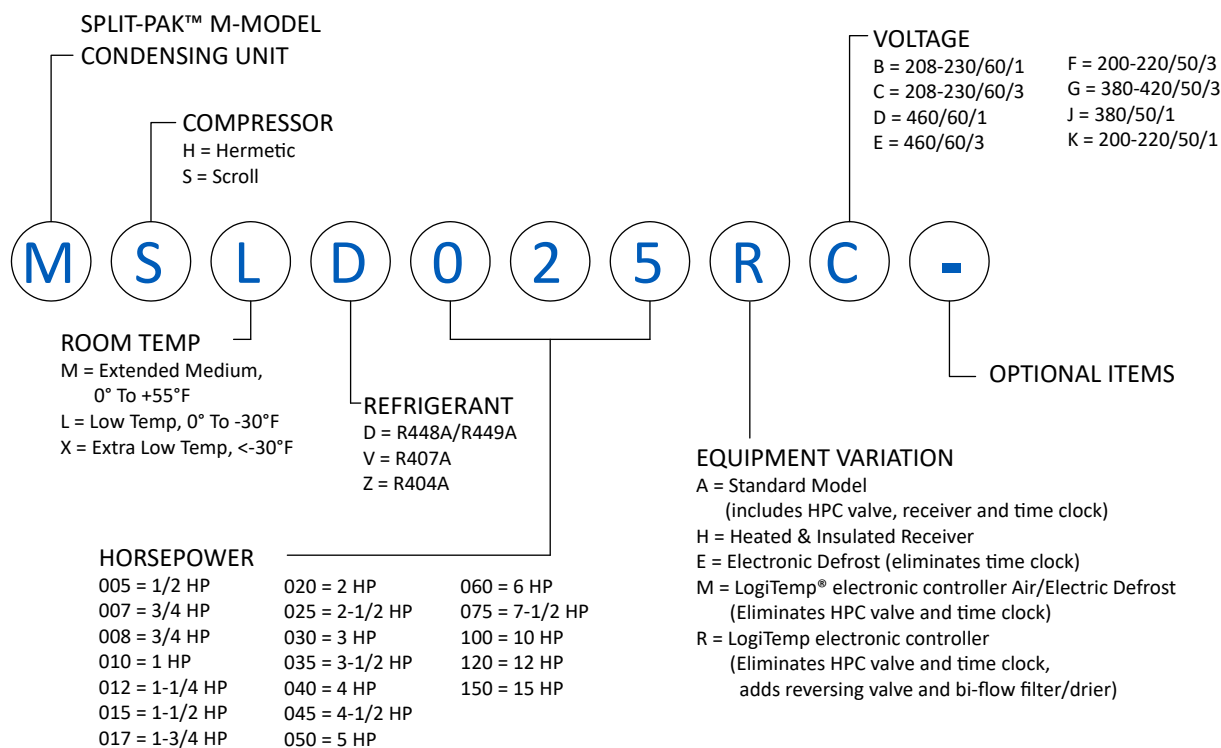
LOGITEMP® PLUS WITH REVERSE CYCLE DEFROST OPTION

As an option on Split-Pak systems 6 H.P. and up, the LogiTemp Plus controller adds a reverse cycle defrost valve to the system which offers several advantages:

- Helps prevent food spoilage by completely and rapidly removing ice build-up in evaporator coils.
- Reduces defrost energy usage by up to 80% over traditional electric heaters.
- The average defrost time for a freezer with electric heaters is 20-30 minutes. Reverse cycle can perform a defrost in as little as 3-5 minutes in a freezer or 1½-2 minutes in a cooler. Shorter defrost times help protect food integrity.
- Adds refrigerant savings due to reduced charge.



CONDENSING UNIT MODEL NUMBER GUIDE



EVAPORATOR COIL MODEL NUMBER GUIDE

TYPE VARIATION

E1 = Low Profile, 6 FPI, 10°TD
 E2 = Medium Profile, 6 FPI, 10°TD
 E3 = High Profile, 6 FPI, 10°TD
 L1 = Dual Flow, 6 FPI, 10° TD
 L2 = Low Velocity, 6 FPI, 10° TD
 L3 = Ultra-Low Profile, 10° TD

VOLTAGE

A = 115/60/1
 B = 208-230/60/1
 C = 208-230/60/3
 D = 460/60/1
 E = 460/60/3
 F = 200-220/50/3
 G = 380-420/50/3
 J = 380/50/1
 K = 200-220/50/1

REFRIGERANT

D = R448A/R449A
 V = R407A
 Z = R404A

CONTROLLER

TYPE

M = LogiTemp®
 S = Superheat Controller
 T = Thermostat
 K = KE2 Controller
 (cooler/freezer)



TEMP RANGE/ TXV TYPE

M = Medium Temp,
 +5° to +55°F
 L = Low Temp, 0° to -30°F
 X = Extra-Low Temp, <-30°F

BTUH CAPACITY IN HUNDREDS (Assumed 10° TD)

Capacity Correction Factors (Multiplier)

-20° Room x 0.96
 -10° Room x 1.00
 0° Room x 1.04
 +30° Room x 0.98
 +35° Room x 1.00
 +40° Room x 1.02

DEFROST SCHEME

A = Air Defrost
 E = Electric Defrost
 R = Reverse Cycle
 G = Reverse Cycle With
 Hot Gas Drain Pan Loop
 (Plasma & Rack Applications Only)

FACTORY PRE-ASSEMBLY OF COMPONENTS

Standard = Shipped Loose TXV & Temp Control
 1 = Pre-Assembled With TXV & Temp Control Mounted
 2 = TXV Mounted, Temp Control & Solenoid Mounted & Wired
 3 = Slave Evaporator (LogiTemp Only)
 Q = Quick Connects and Pre-Assembly



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Due to continuous product enhancements, we reserve the right to change specifications without notice.

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