



ECO-FRIENDLY
HFO BLENDED
REFRIGERANTS &
DOE COMPLIANT



SPLIT-PAK[™]
REMOTE REFRIGERATION SYSTEMS

Remote Condensing Units

Master-Bilt's 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 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 1/4 to 15 HP. For needs above 15 HP, please consult factory for the best option, including high efficiency rack systems.



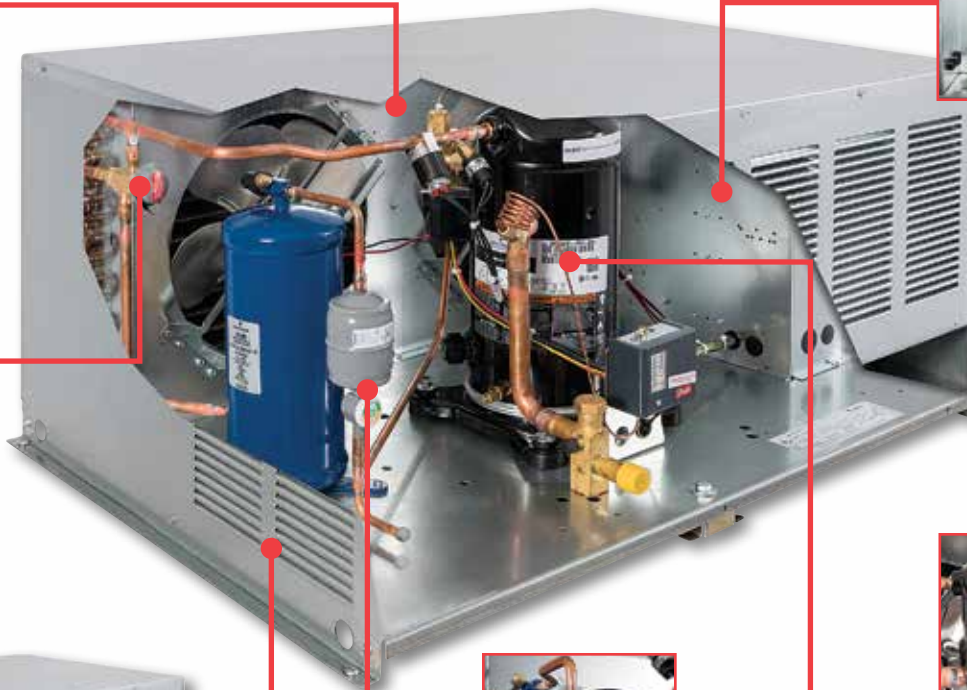
Generously-sized condenser for dependable performance.



Standard pre-wiring kit



Head pressure control valve ensures proper operation in low ambient conditions.



Standard weather hood for protection against the elements.



Standard pre-piping kit including sight glass



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



For the full list of features and options click or tap here



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 reverse cycle defrost when equipped with the Master Controller Reverse Cycle Defrost system. 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.



Evaporator coil with the optional Master Controller Reverse Cycle Defrost System installed.

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.

Master Controller System

The Master Controller Reverse Cycle Defrost (MCRCD) system is an electronic controller for Master-Bilt walk-in cooler and freezer refrigeration systems. Designed to increase food safety while reducing energy and installation costs, it is a standard feature on freezer systems 6 H.P. and above and is optional on other systems.



The Master Controller Reverse Cycle Defrost interface is mounted to an evaporator coil.

FOOD SAFETY

- The reverse cycle defrost function helps prevent food spoilage because it completely and rapidly removes the ice build-up in evaporator coils that lowers performance. Reverse cycle works from the inside of the coil outward compared to less efficient methods that work from the outside in.
- Should there be an issue with the refrigeration system, operators will know instantly through error codes and data provided through online Web2Walk-In software.

INSTALLATION SAVINGS

- No wiring is required between evaporator coils and condensing units (two 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 system with MCRCD uses less refrigerant with no winter charge necessary.
- In some cases, the savings on wiring installation alone covers the cost of the MCRCD.

ENERGY SAVINGS

- Patented design saves up to 27% more energy than an all-mechanical system.
- Reverse cycle technology reduces defrost energy usage by up to 80% over traditional electric heaters.
- Demand Defrost technology initiates reverse cycle defrosts only as needed, allowing further energy savings.
- Defrost time, when initiated, is also greatly shortened. 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 also help protect food integrity.
- 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

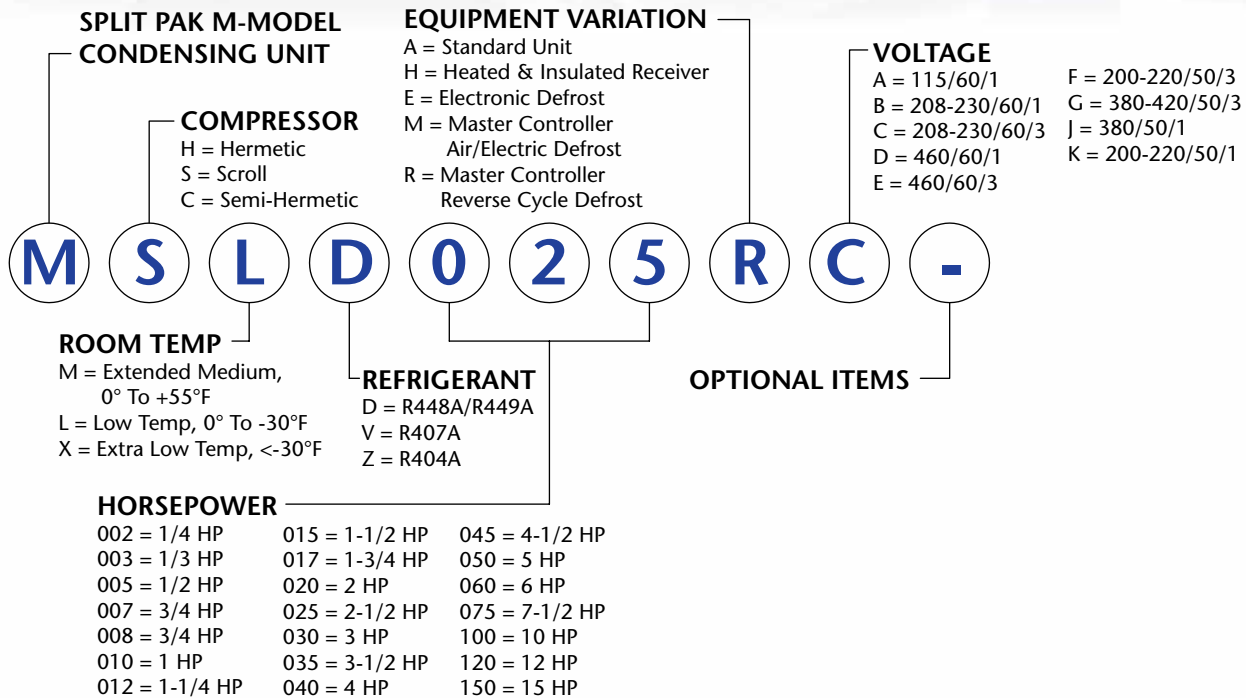
- Web2Walk-In software loaded on each controller allows remote monitoring and programming using any device with a wireless internet or cabled (cat 5) connection.
- No need for a service tech to climb onto a roof or enter the walk-in to monitor or adjust the refrigeration system.
- Constant access to data allows users to improve refrigeration system performance and avoid service issues.



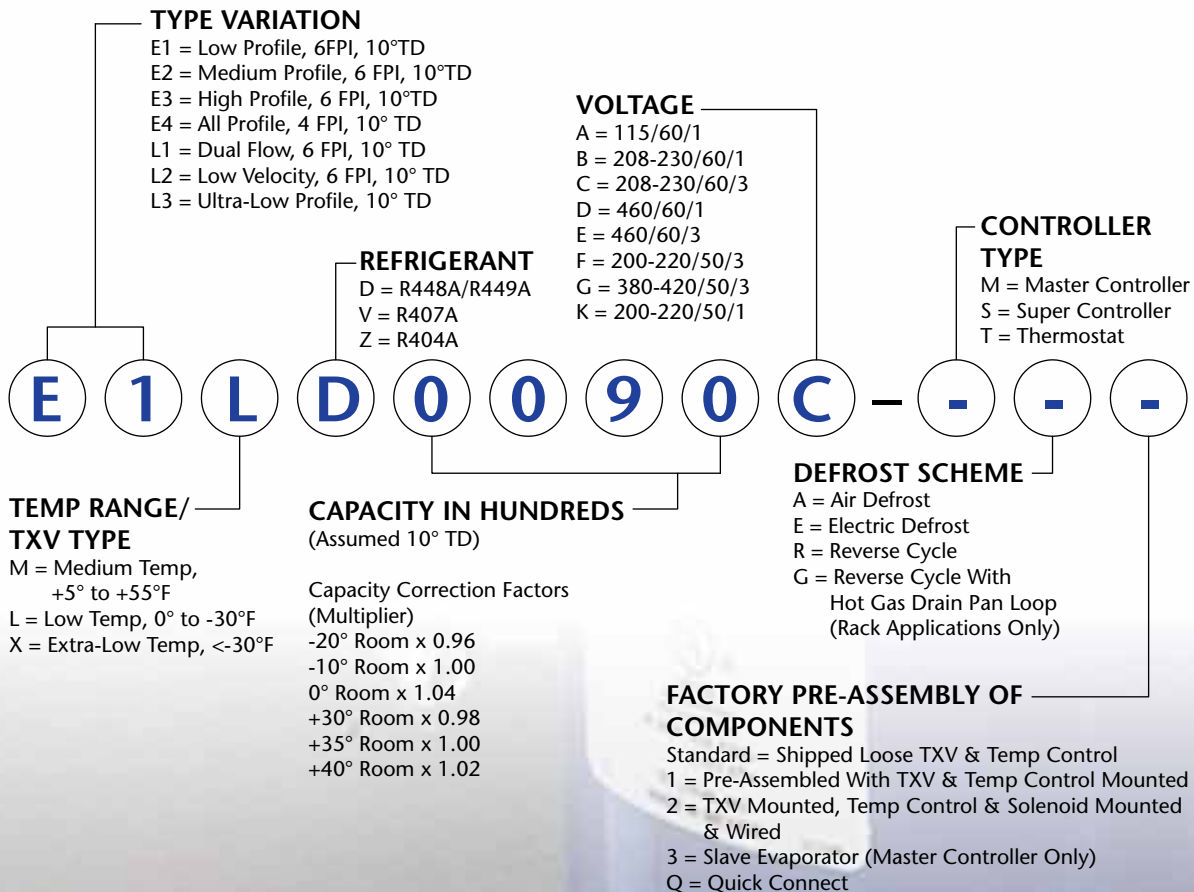
Master-Bilt's Web2Walk-In software gives users constant access to refrigeration system performance data. Web2Walk-In can be accessed from any device with an internet connection, including PC, Mac, smartphone or tablet.

Model Number Guide

CONDENSING UNITS



EVAPORATOR COILS





For the latest product information and specifications go to
www.master-bilt.com/products/products.htm.



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RSG[™]
Refrigerated Solutions Group

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

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