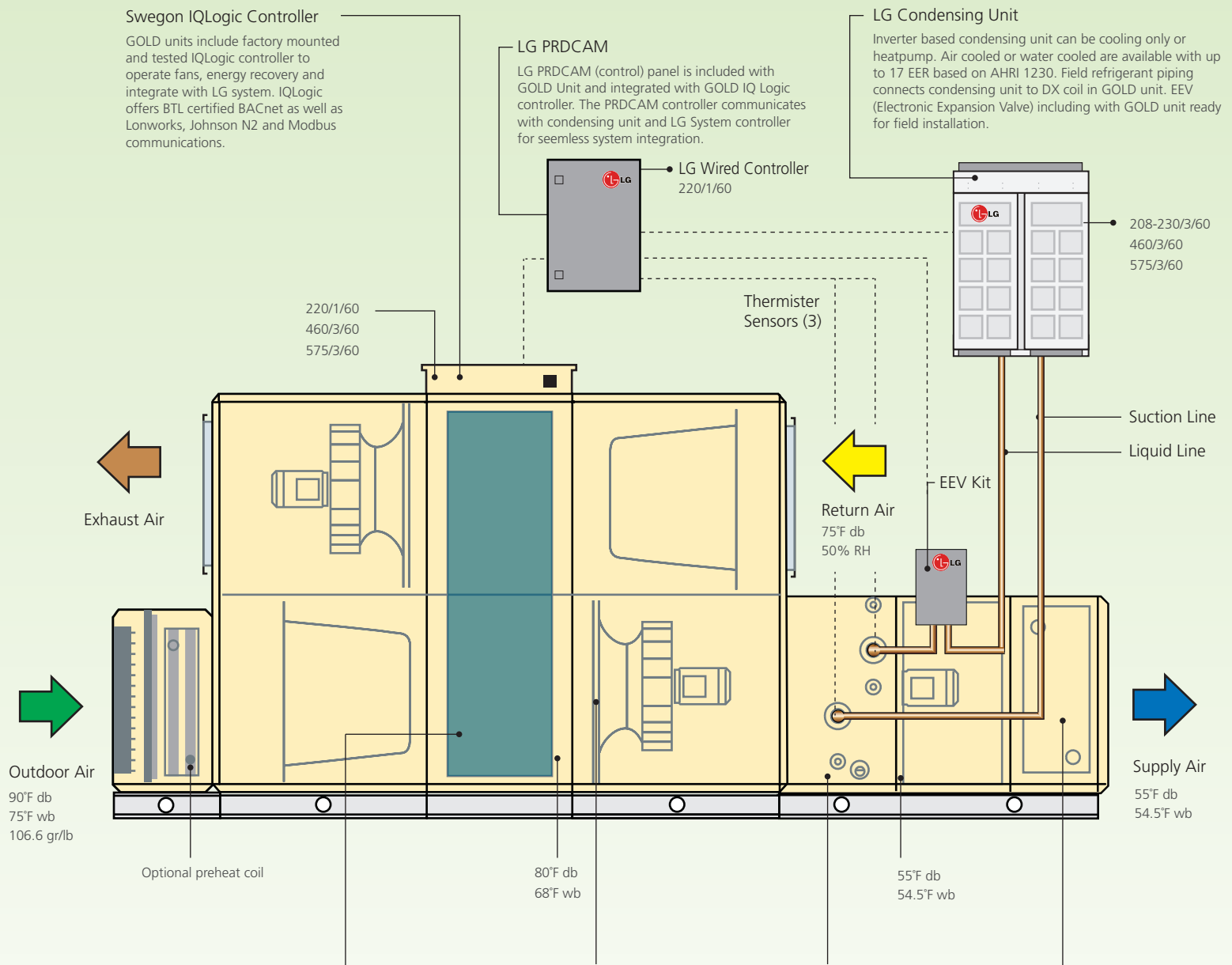


SUMMER



Energy Recovery



Plates, runaround coils and enthalpy wheels available. Standard GOLD RX AHRI 1060 certified 3 ang. enthalpy wheel recovers 80% + of the total energy. Optional PassiveHouse certified GOLD RX models use special enthalpy wheel and recover 80% + of the total energy.

Fans

Special plenum fans design for high efficiency and low sound, direct driven by 220, 460 or 575 volt EC motors. Fans are variable flow and include airflow monitors. Variable airflow arrangements are limited to 50% turndown with DX cooling. Models are available from 500 to 16,000 cfm.

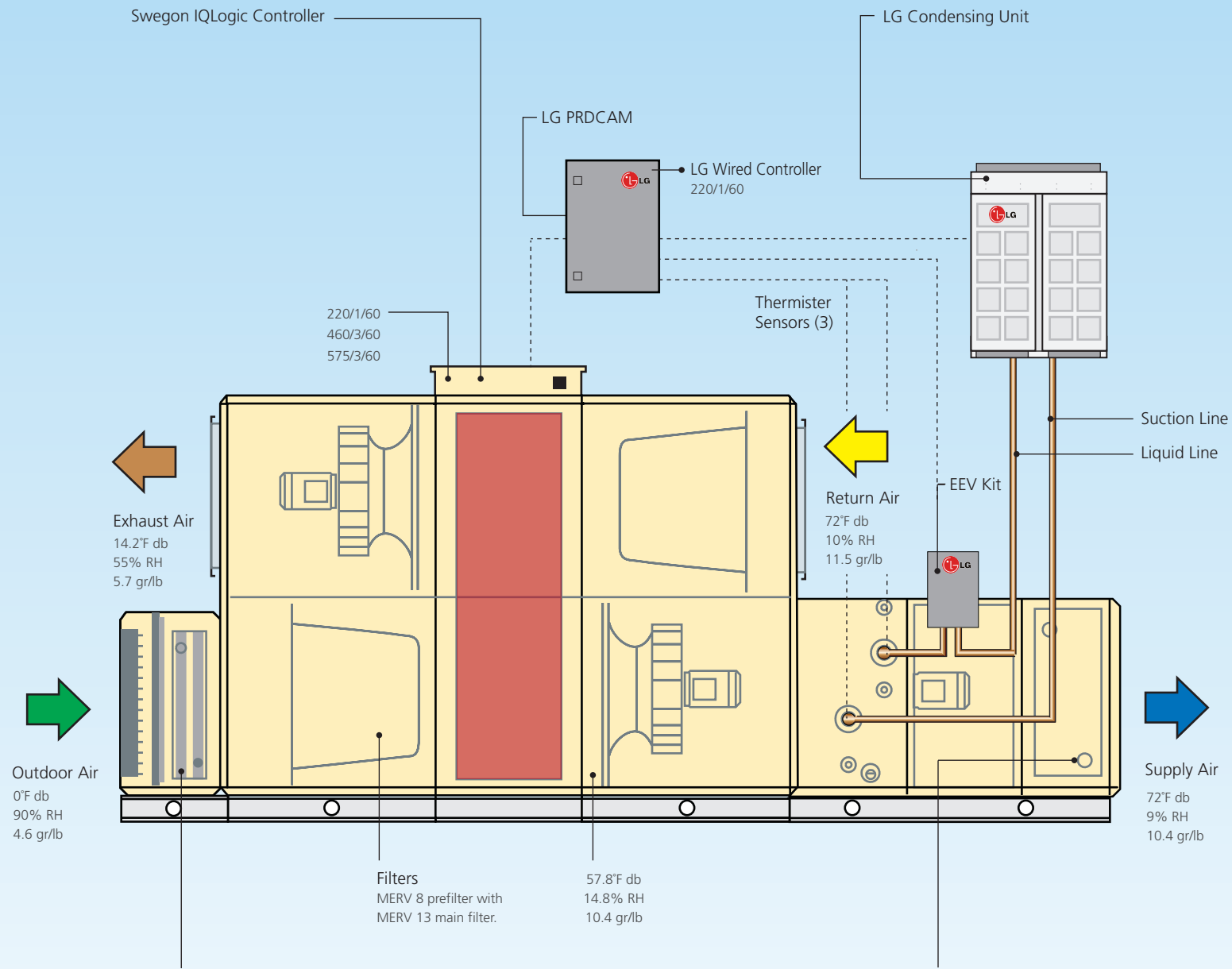
DX Coil

LG approved DX coil is factory mounted in GOLD unit, matched to LG condensing units. Actual capacity and leaving air conditions are customer selected based on project requirements. Coil include stainless steel double sloped drain pan.

Optional Heating Coil

Optional passive reheat is available using a wraparound coil around the DX coil. Reheat allows dry air at neutral temperatures to be delivered to the space using recovered heat.

WINTER



Optional Preheat

Optional preheat for very cold climates. Preheat outdoor air to avoid Hoar frosting and improve energy recovery. Preheat can be water (glycol) or electric. Winter filters available.
TIP: If chilled water is being produced in winter, use chilled water to preheat outdoor air.

Heatpump Heating

For improved energy savings, a LG heatpump condensing unit can be utilized to reduce the cost of heat. For typical applications the LG heatpump can deliver enough heat at ambient temperatures above -13°F at COPs above 3.6 to meet the required supply air temperature.

Air cooled heatpumps will require periodic defrost. During these periods a supplemental heat source will be required. This can be accomplished with hot water coil, electric heat or any other heat source that can accommodate a 0-10 vdc control signal.

Final Heating

Enthalpy wheel will recover most of the necessary heat to delivery neutral air. Using Swegon RecoFROST control, the supply air is typically 58 °F leaving the enthalpy wheel. Some defrost may occur lowering the supply air temperature to 30 °F while defrosting.

Final heating can be accomplished with hot water coil, electric heat or any other heat source that can accommodate a 0-10 vdc control signal.