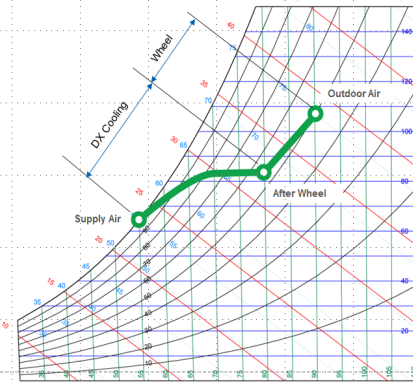
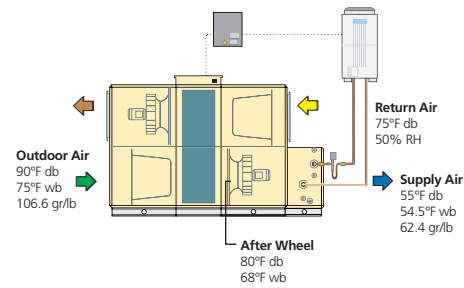
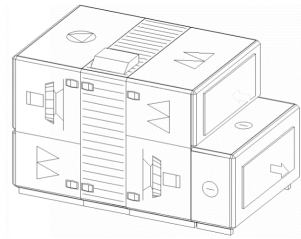
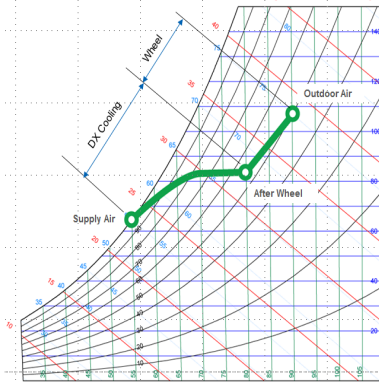
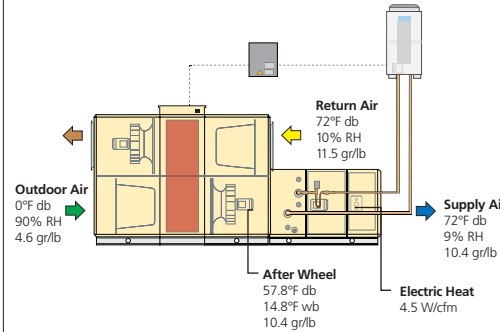
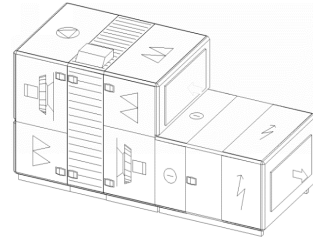


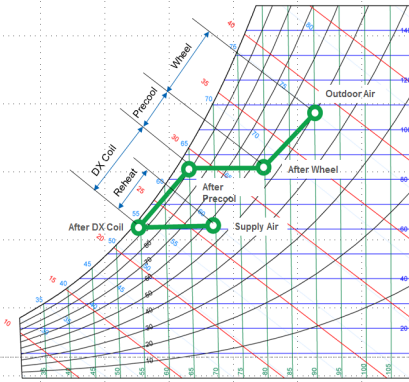
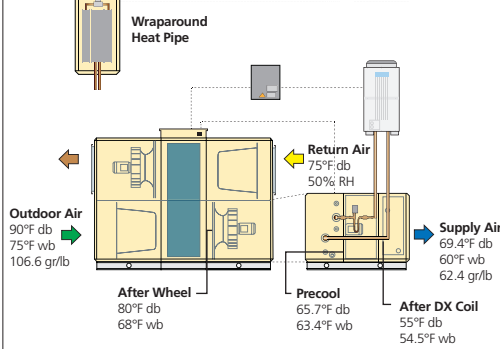
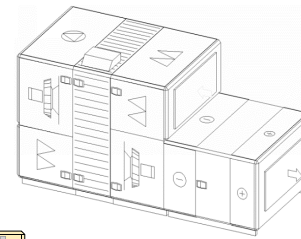
COOLING/HEATING



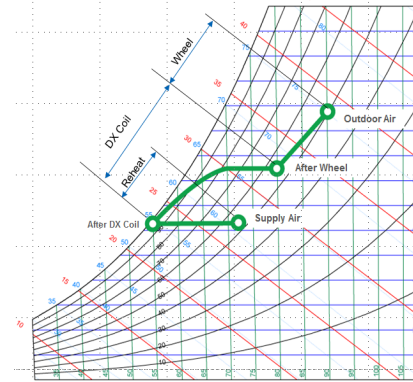
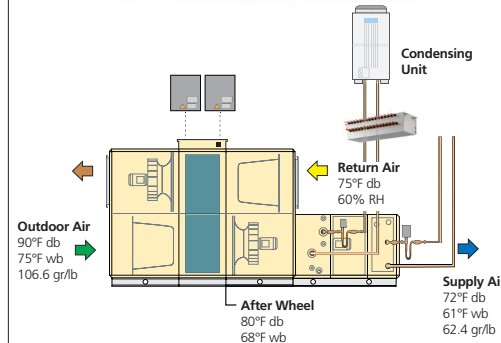
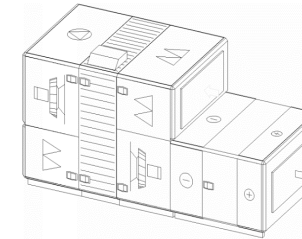
COOLING/HEATING WITH ELECTRIC AUX HEAT



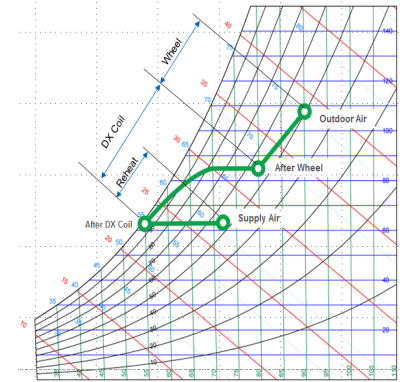
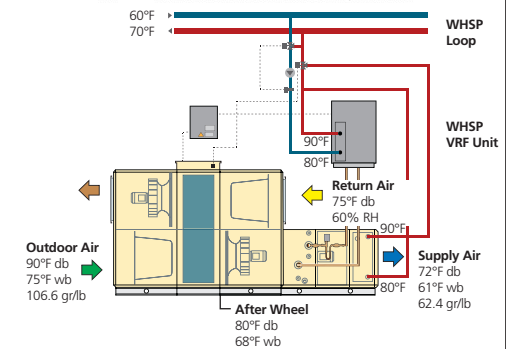
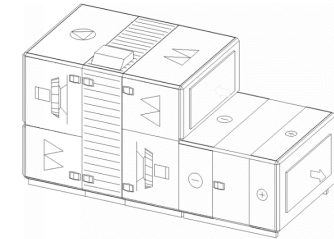
COOLING/HEATING WITH WRAP AROUND HEAT PIPE



COOLING/HEATING WITH HOT GAS REHEAT COIL



COOLING/HEATING WITH CONDENSER WATER REHEAT



Swegon Performance	
Model	RX-25
Supply Air	4,500 CFM
Exhaust Air	4,500 CFM
SA External Static	1.5-2.2" e.s.p.
EA External Static	1.5-2.2" e.s.p.
Supply Fan	4.6 HP
Exhaust Fan	4.6 HP
Rotary Wheel Sensible Efficiency	82.5%
Summer Wheel Performance	
OA EDB Temp (F)	90
OA EWB Temp (F)	75
RA EDB Temp (F)	75
RA EWB Temp (F)	62.6
Summer Off Wheel DB	77.6
Summer Off Wheel WB	65.9
Rotary Wheel Latent Efficiency	72.0%
Winter Wheel Performance	
OA EDB Temp (F)	0
RA EDB Temp (F)	72
RA EWB Temp (F)	53
Winter Off Wheel DB	59.3
Winter Off Wheel WB	45.9
Rotary Wheel Latent Efficiency	80.5%
Package Performance	
Reheat Method	None
Cooling LAT DB	54.9
Cooling LAT WB	54.6
Grains	63.2
Heating LAT	72
Dimensions	
Cabinet Length	105.83"
Cabinet Width	62.99"
Cabinet Height	70.71"
Air Cooled Unit Solution	
Mitsubishi Condensing Unit	PUHY-P192YSLMU-A
Mitsubishi Branch Controller	N/A
Hyper Heat Solution	
Mitsubishi Condensing Unit	PUHY-HP192TSJMU-A
Mitsubishi Branch Controller	N/A
Water Cooled Solution	
Mitsubishi Condensing Unit	PQHY-P192YLMU-A
Mitsubishi Branch Controller	N/A

Reheat Method	None	None	Heat Pipe	Hot Gas Reheat	Hot Water Reheat
Cooling LAT DB	54.9	54.9	63	72.3	72.6
Cooling LAT WB	54.6	54.6	57.6	61	61
Grains	63.2	63.2	62.4	62.2	61.8
Heating LAT	72	72	72	72	72

Dimensions	105.83"	150.71"	115.87"	139.76"	139.76"
Cabinet Length	105.83"	150.71"	115.87"	139.76"	139.76"
Cabinet Width	62.99"	62.99"	62.99"	62.99"	62.99"
Cabinet Height	70.71"	70.71"	70.71"	70.71"	70.71"

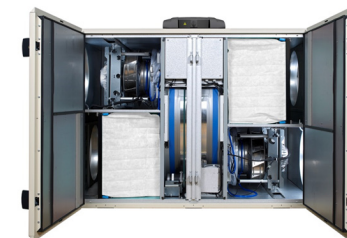
Air Cooled Unit Solution	PUHY-P192YSLMU-A	PUHY-P192YSLMU-A	PUHY-P168YLMU-A	PURY-P192YSLMU-A	N / A
Mitsubishi Condensing Unit	PUHY-P192YSLMU-A	PUHY-P192YSLMU-A	PUHY-P168YLMU-A	PURY-P192YSLMU-A	N / A
Mitsubishi Branch Controller	N/A	N/A	N / A	CMB-P108NU-HA1	N / A

Hyper Heat Solution	PUHY-HP192TSJMU-A	PUHY-HP192TSJMU-A	PUHY-HP192TSJMU-A	PURY-HP192YSKMU-A-H	N / A
Mitsubishi Condensing Unit	PUHY-HP192TSJMU-A	PUHY-HP192TSJMU-A	PUHY-HP192TSJMU-A	PURY-HP192YSKMU-A-H	N / A
Mitsubishi Branch Controller	N / A	N / A	N / A	CMB-P108NU-HA1	N / A

Water Cooled Solution	PQHY-P192YLMU-A	PQHY-P192YLMU-A	PQHY-P168YLMU-A	PQRY-P192YLMU-A	PQHY-P192YLMU-A
Mitsubishi Condensing Unit	PQHY-P192YLMU-A	PQHY-P192YLMU-A	PQHY-P168YLMU-A	PQRY-P192YLMU-A	PQHY-P192YLMU-A
Mitsubishi Branch Controller	N / A	N / A	N / A	CMB-P108NU-HA1	N / A

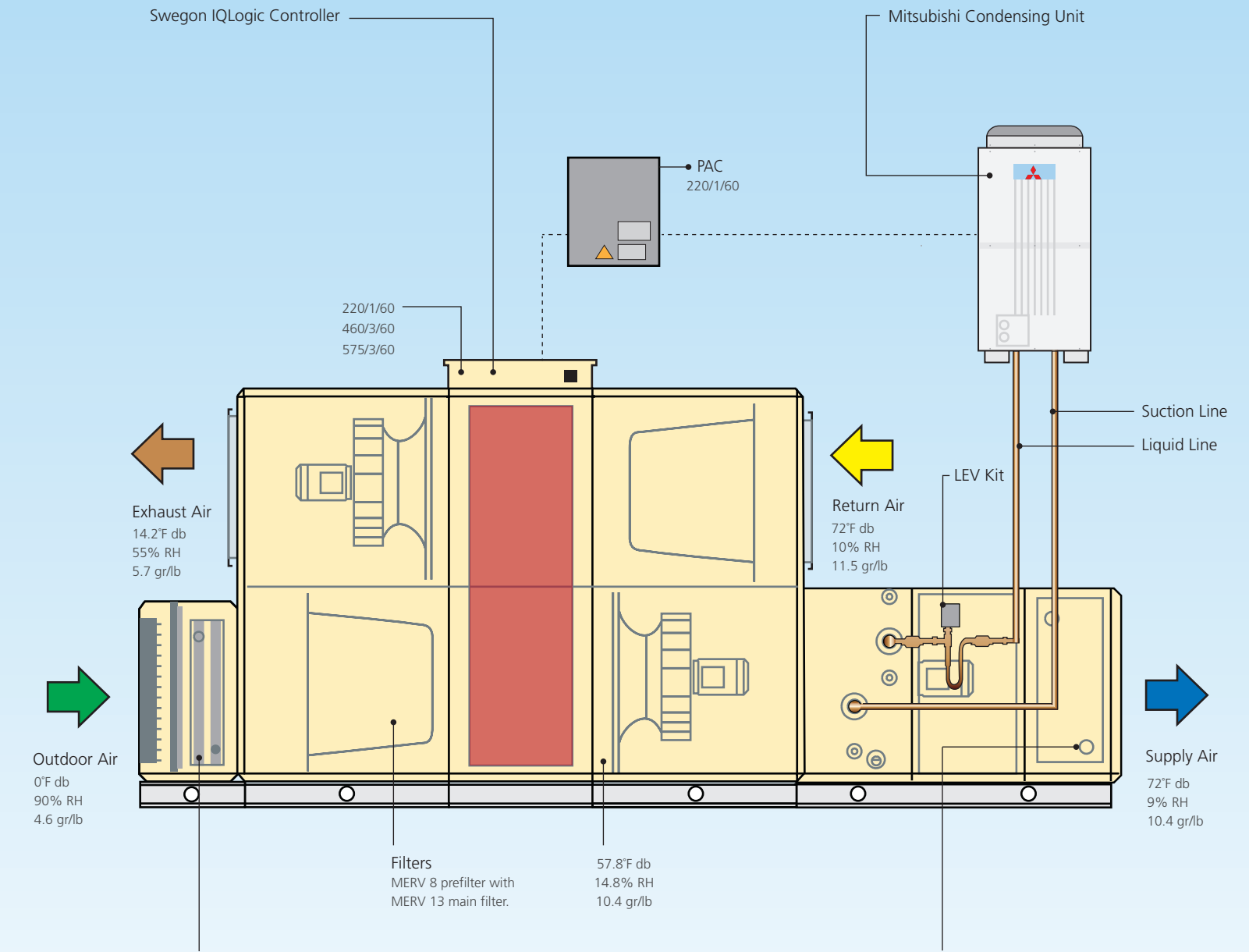
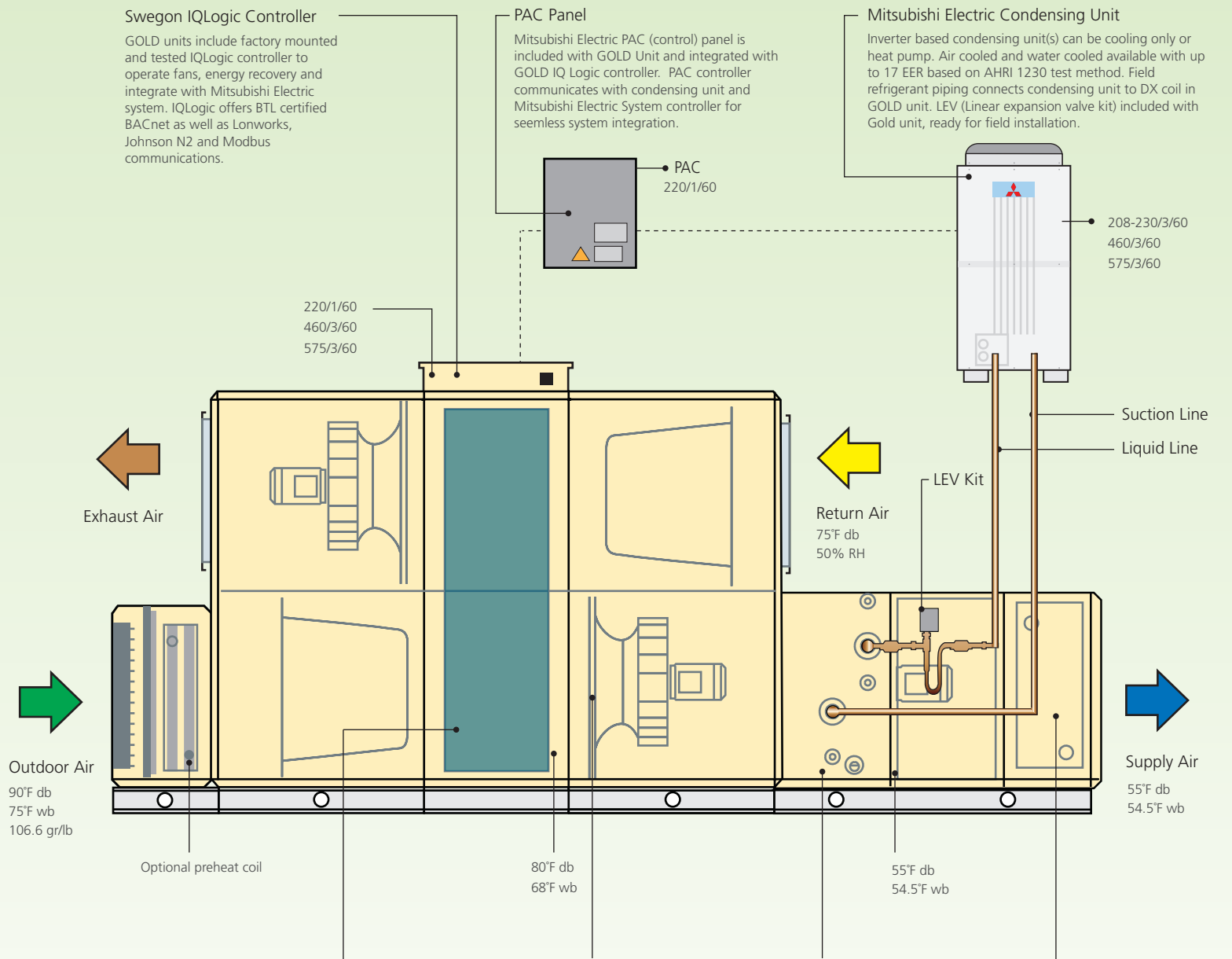
Key Specifiable Standard Features:

- ECM Motors, direct drive plenum fans, CFM airflow station on supply and return fans.
- Enthalpy wheel is aluminum substrate with 3 angstrom molecular sieve desiccant, energy recover carry-over shall not exceed 0.45% as certified by a third party test agency.
- Enthalpy wheel shall have stepper motor allowing speed control from 0.5 – 20 rpm. Unit controller shall manage rotor speed to optimize energy transfer, purge sector airflow, and avoid frosting.
- Unit shall include factory installed and tested controls, field configurable to achieve specified operating functions. Controls shall maintain the airflow setpoint regardless of air density, filter loading or ESP.
- Units shall be service accessible from one side. Filters shall be side loaded and seal against fixed frame on all four sides of each filter.
- Cooling coil shall have minimum turndown of 7 – 15% based on Outdoor Unit Selection.
- LEV-AHU Kit shall be able to accept entering air temps down to 0 Deg F to the Coil in Heat Pump operation.
- Unit shall include factory engineered integration between AHU and Mitsubishi LEV Kit. LEV Kit and PAC control panel shall be factory installed, including refrigerant piping of LEV's and wiring of thermistors, LEV's and controls.
- Controls shall be BACnet IP native and BTL Certified.



SUMMER

WINTER



Energy Recovery
AHRI Certified Component
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
Mitsubishi Electric approved DX coil is factory mounted in GOLD unit, matched to Mitsubishi Electric 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.

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 Mitsubishi Electric heatpump condensing unit can be utilized to reduce the cost of heat. For typical applications the Mitsubishi Electric 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.