



OptiLine™ Hydronic Vertical Stacked Fan Coil

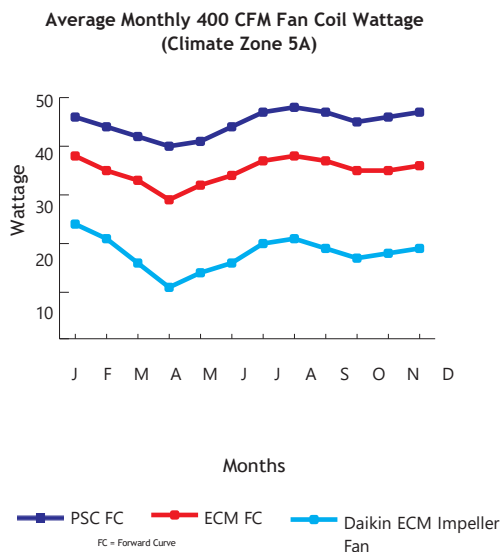


Reaching New Heights

Engineered for high-rise apartments, office buildings, dormitories, and hotels, OptiLine provides quiet, comfortable, economical heating and cooling in a very slender package.

Fits Your Space Requirements

With the smallest footprint in the industry, OptiLine is the best solution when livable space is at a premium. Available in six sizes, 300 through 1200 cfm, OptiLine can handle the most challenging architectural requirements: retrofit applications and new construction alike.



Complete Comfort

Noise is a primary concern where the equipment is located directly in living, working, or resting spaces. OptiLine is both quiet and energy efficient, with each unit containing a variable speed motorized impeller with an EC motor that has been optimized to the impeller. The variable speed feature allows the fan to run at the lowest possible RPM typically at less than 60% capacity, achieving a noise criterion (NC) of less than 30 for the space. Additionally, in cooling mode, the lower RPM provides better humidity control for improved indoor air quality and comfort.

Energy Efficiency For Immediate Savings

Designed to consume the lowest amount of energy possible, OptiLine's standard factory features can achieve an annual 30 to 50% energy savings. One of those standard features, a high efficiency backwards inclined (BI) fan with a variable speed (0-10V) EC motor, results in power consumption of 30 watts or lower, saving 3x the wattage of a typical 400 cfm fan coil. Especially useful in buildings with inconsistent or varying occupancy rates, like hotels or condominiums, decentralized HVAC systems offer significant energy savings. Occupancy sensors turn on and off the equipment or reset the setpoints, while door and/or window contacts can be interlocked to disable the unit when left open.

Daikin OptiLine™ Fan Coils



1 Motorized Impeller Fan

Electronically commutated motor (ECM) with backward inclined impeller fan provide quiet efficient operation.

2 Smallest Cabinet

Our size 3 and 4 units have the smallest cabinet footprint on the market.

3 Exceptionally Quiet

The new stacked fan coil unit was designed with the target of NC 30.

4 Single Point Power

All units with or without electric heat have a single point power connection.

5 Tool-less Filter Changes

Hinged return grilles makes filter changing quick and easy.

6 Digital Programmable Thermostat

Provides variable speed fan control and occupancy set points for additional energy savings .

7 Swaged Risers

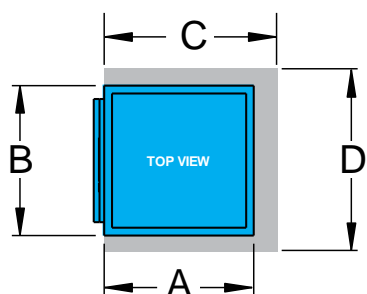
Reduces the number of solder joints to make installation easier and faster.

7 Stainless Steel Drain Pan

Prevents corrosion and avoids standing water for high IAQ.

8 Valve package

Factory installed valve package includes control valve, P/T ports, unions, strainer, circuit setter, ball shut off valves and SS flexible hose.



Cabinet Size	OptiLine		Typical	
	A	B	C	D
300 – 400	15.5	15.5	20	20
600 – 800	20	18		
1,000 – 1,200	24	18	27	20



For more information, contact your local Daikin Applied Representative or visit www.DaikinApplied.com to find an office near you.