



FRANCIS H.V.A.C. SERVICES LTD.

81 Auriga Drive, Unit 1, Nepean, Ontario K2E 7Y5
Tel.: (613) 723-7869 Fax: (613) 723-1499
24 HOUR SERVICE

Quality Service
Since 1933

DATE: April 01, 2017
NAME: Izzie Rabinowitz
COMPANY: Young Israel of Ottawa
CODE: ISRA02
PHONE: 613-722-8394
FAX: info@youngisrael.ottawa.on.ca
RE: 627 Kirkwood Ave.

No Price Increase For Our Valued Customers

DESCRIPTION

**"SPRING SPECIAL"
COIL CLEANING**

NUMBER OF UNITS: 2

Please indicate which of the following two options is approved.

CONDENSER & EVAPORATOR: \$449.00 ☐

CONDENSER ONLY: \$299.00 ☐

Please Note: The above work will not be performed unless signed and returned by fax or mail.

Quote is Valid for 30 Days
(Price does not include HST)

Signature of Approval

Print Name and Title

•HEATING •AIR CONDITIONING •DESIGN/BUILD •REVCO SERVICE DEALER •ULTRA LOW FREEZERS
•VENTILATION •MAINTENANCE PLANS •BOILER MAINTENANCE •DUCT CLEANING •REFRIGERATION



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CLEAN COILS REDUCE ENERGY COSTS

MODERATELY DIRTY CONDENSER			CLEAN CONDENSER		
Nominal Tons Cooling	KWH/SEASON	COST	KWH/SEASON	COST	POTENTIAL SAVINGS
3	5,700	\$1,052.79	4,100	\$757.27	\$295.52
5	8,100	\$1,496.07	5,500	\$1,015.85	\$480.22
7 ½	11,200	\$2,068.64	7,400	\$1,366.78	\$701.86
10	16,800	\$3,102.96	12,300	\$2,271.81	\$831.15
15	24,400	\$4,506.68	16,000	\$2,955.20	\$1,551.48
20	32,400	\$5,984.28	20,800	\$3,841.76	\$2,142.52
25	40,800	\$7,535.76	27,000	\$4,986.90	\$2,548.86
30	48,900	\$9,031.83	30,800	\$5,688.76	\$3,343.07
40	66,400	\$12,264.08	41,500	\$7,665.05	\$4,599.03
50	82,300	\$15,200.81	52,100	\$9,622.87	\$5,577.94
60	98,600	\$18,211.42	63,000	\$11,636.10	\$6,575.32

ALL FIGURES ARE APPROXIMATE VALUES ONLY AND DOES NOT TAKE INTO ACCOUNT OFF PEAK OR MID PEAK VALUES.

BASED ON 0.18470 / KWH PEAK HOURS FOR SMALL BUSINESS RATES. THE KWH RATING IS BASED ON THE FOLLOWING PEAK HOURS + TRANSMISSION + DELIVERY + LOW VOLTAGE + REGULATORY + DEBT RETIREMENT AND DOES NOT INCLUDE DELIVERY LINE LOSS CHARGES. FRANCIS HVAC SERVICES LTD CANNOT GUARENTEE RECEIVING A COST SAVING AS DETAILED ABOVE.

Updated FEBRUARY 2015

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Condenser Coils

The coil is one of the major components in any heating and cooling system. Below is a little more information about what your coils do, and why it is so important for regular maintenance to be performed on your heating and cooling systems

Air conditioning units include two coils, the evaporator coil and the condenser coil. Proper maintenance and cleaning of these coils is paramount to effective and efficient functioning of the air conditioning unit.

Every air conditioning unit includes two coils that bring in cool air, and blow out warm air: The evaporator coil, often called the "indoor coil" and the condenser coil, often called the "outdoor coil." In modern air conditioning units, the coils are usually made of tubular copper and thin aluminum fins. Keeping these coils well maintained, and free of dust and contamination, can extend the life of your air conditioner, and ensure peak performance.

Air Handler Coil

Within this unit resides the evaporator coil. This coil absorbs the heat from the air within the building, sending cooler air out in its place. These coils are partially protected by air conditioning filters, which should be replaced ever 30-90 days. But despite filtering, dirt and debris from the air flowing over the coils does land on the coil. It is important to clean off this dirt to keep the evaporator coil functioning properly, and ensure proper cooling of the building.

Condenser Coil

This unit includes a condenser coil, which takes the warm air that has been removed from the building and blows it off into the outside environment. These condenser coils are open to the elements; while this is necessary for proper air flow, it also means that these coils can get filthy with dirt and debris, including leaves, grass clippings, germs, and bugs.

Dirty Coils

Dirty coils are less efficient at transferring heat. Thus, the entire air conditioning unit has to work harder in order to cool the building. This puts additional strain on the unit, which can cause early unit failure, or insufficient cooling. In addition to causing early unit break down, dirty coils can actually reduce the energy efficiency of a cooling system by 30 percent.

Keeping Coils Clean

Cleaning of this coil should be done at least once a year in areas where the cooling season lasts four to six months, more often in areas or buildings where the cooling is done more often. It is also important to remember to change the filter regularly, which will help keep the coil cleaner, and increase air flow to the unit, increasing efficiency.

To keep the outdoor coil in the condenser healthy, and to ensure long term cooling of the building, it is imperative to keep the area around the coil free of debris. It is also important to clean the coil itself, at least every other season, preferably every season if the air conditioning is run for more than four months out of the year.

When neglected, air conditioning coils can become severely contaminated, actually resulting in degradation of the coil, and eventual failure of the entire cooling system. But, with regular maintenance, your air conditioning system can do its best at cooling your home, and can last you a very long time.