

# ASHRAE COST OF ENERGY

## The Annual Impact of Clean vs. Dirty Condenser Coils

The results shown on this ASHRAE calculator are based on 9 months of operation and peak running periods of 16 hours per day. If your equipment is used for process cooling, the results shown will be conservative and you should expect to see more KWH of operation and greater savings than shown. [Energy Rate = 0.10 cents per kwh]

Cooling Tonnage (rating)	Moderately Dirty Condenser Coils		Clean Condenser Coils		Energy Savings (Dirty vs. Clean Coils)	
	KWH Per Season (per unit)	Energy Cost (per unit)	KWH Per Season (per unit)	Energy Cost (per unit)	Clean Coil Energy Savings (per unit)	ENERGY SAVINGS %
3	5,700	\$570	\$4,100	\$410	\$160	28%
5	8,100	\$810	\$5,500	\$550	\$260	32%
7.5	11,200	\$1,120	\$7,400	\$740	\$380	34%
10	16,800	\$1,680	\$12,300	\$1,230	\$450	27%
15	24,400	\$2,440	\$16,000	\$1,600	\$840	34%
20	32,400	\$3,240	\$20,800	\$2,080	\$1,160	36%
25	40,800	\$4,080	\$27,000	\$2,700	\$1,380	34%
30	48,900	\$4,890	\$30,000	\$3,000	\$1,890	39%
40	66,400	\$6,640	\$41,500	\$4,150	\$2,490	38%
50	82,300	\$8,230	\$52,100	\$5,210	\$3,020	37%
60 – 75	98,600	\$9,860	\$63,000	\$6,300	\$3,560	36%



990 Pauly Dr.  
Elk Grove Village, IL 60007  
(847) 593-0123