

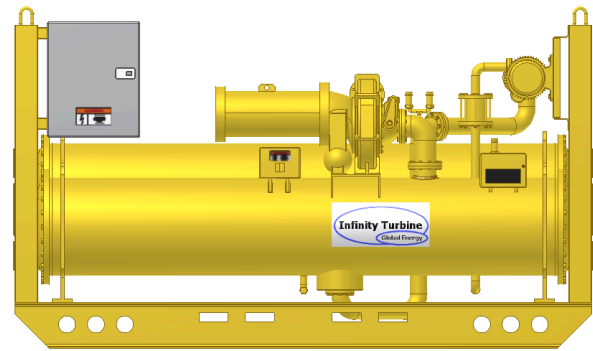
Diesel Engine Generator

Waste Heat to Power via the Infinity Turbine

If you run a diesel generator set or any of the engines below 24/7, you may be able to capture the waste heat to generate additional kilowatts of electricity. In addition, you may reduce or eliminate the HP need to drive your radiator coolant fan.

Exhaust to Power: With an additional waste heat to thermal oil heat exchanger, you can capture the diesel exhaust from the pipe to supply heat to the Infinity turbine. This is about 40 percent of total fuel savings as shown in chart below. For a 100 kilowatt Prime diesel genset, this is about 8 kWe per hour additional power. Savings calculated at \$4.50 per gallon.

Coolant to Power: Pipe straight to the Infinity turbine. This is about 32 percent of total fuel savings as shown in chart below. For a 100 kilowatt Prime diesel genset, this is about 7 kWe per hour additional power. Savings at \$4.50 per gallon.



Copyright 2008 Global Energy

Radiator Fan Savings: This is about 28 percent of total fuel savings as shown in chart below. Savings at \$4.50 per gallon.

For Additional Information Contact:
 Infinity Turbine LLC
<http://www.InfinityTurbine.com>
 TEL(608) 238-6001

MFG	kWe	Engine Model	Radiator HP	Gallons Year Saved	Coolant Saved / Year	Exhaust Saved/Yr	Total Savings / Year
Cummins	55	Cummins 4TB3.9-	3	27,276	\$63,441	\$40,674	\$122,740
Kohler	100	Deere 6068TF250 4	5.6	12,624	\$23,141	\$24,720	\$56,807
Caterpillar	135	D150-8	10.7	18,763	\$26,658	\$35,362	\$84,434
Kohler	145	Deere 6068HF275 4	14.5	18,891	\$25,625	\$34,694	\$85,012
Caterpillar	157.5	D175-2	10.7	21,724	\$32,641	\$42,588	\$97,758
Kohler	180	Deere 6068HF485 4	11.5	20,564	\$30,934	\$42,608	\$92,539
Kohler	204	Deere 6081HF001 4	10.7	20,129	\$28,159	\$45,739	\$90,582
Caterpillar	225	CAT 3406C	18	46,169	\$77,219	\$93,289	\$207,759
Kohler	270	D300 12.1A65 4	22	37,437	\$51,703	\$76,217	\$168,466
Caterpillar	275	CAT 3406C TA	20	37,400	\$63,179	\$76,327	\$168,300
Kohler	385	Detroit S60 4 Cycle	27	38,884	\$47,946	\$83,453	\$174,978
Caterpillar	410	C 15 ATAAC L-6 4	25	37,744	\$49,001	\$85,305	\$169,846
Kohler	460	D500 16.1865 4	25.5	48,532	\$72,224	\$103,411	\$218,392
Caterpillar	500	C 18 ATAAC I-6 4	39	51,405	\$50,983	\$120,888	\$231,323
Kohler	560	Mitsubishi S6R-	39	70,408	\$93,672	\$146,796	\$316,835
Caterpillar	591	C 27 TA V-12 4	30	62,144	\$92,740	\$135,937	\$279,647
Kohler	680	Detroit 12V2000	40	74,390	\$114,373	\$153,228	\$334,756
Caterpillar	725	C 27 TA V-12 4	52	79,474	\$105,949	\$163,711	\$357,632
Kohler	730	D800 33.9A60 4	52	107,934	\$208,762	\$181,157	\$485,703
Caterpillar	810	C 32 TA V-12 4	58	79,872	\$93,786	\$170,625	\$359,422
Kohler	830	MTU 16V2000 G44	58	95,614	\$133,463	\$194,336	\$430,262
Caterpillar	910	C 32 TA V-12 4	54	90,700	\$107,902	\$209,836	\$408,152
Kohler	925	Mitsubishi S12H-	54	99,512	\$136,162	\$217,467	\$447,803
Caterpillar	1000	CAT 3512 TA 4	54	124,120	\$207,327	\$249,465	\$558,542
Caterpillar	1135	CAT 3512 TA 4	76	152,139	\$254,756	\$319,280	\$684,625
Kohler	1180	Detroit 12V4000G83	76	162,450	\$235,423	\$370,515	\$731,025
Caterpillar	1275	CAT 3512B TA 4	75	138,462	\$189,934	\$315,271	\$623,080
Caterpillar	1360	CAT 3512B TA 4	76	148,648	\$200,247	\$342,035	\$668,914
Kohler	1400	Detroit 12V4000G43	76	141,290	\$198,428	\$312,291	\$635,806
Kohler	1450	D1600 65.4A60 4	69	183,832	\$351,971	\$356,086	\$827,245
GE Energy	1500	J620 E61 GE	70	147,258	\$309,030	\$232,920	\$662,659
Caterpillar	1600	CAT 3516 TA V-16 4	50	185,987	\$307,841	\$447,725	\$836,940
Kohler	1820	D2000 65.4A60 4	59	162,054	\$205,010	\$425,858	\$729,242
Caterpillar	1825	CAT 3516B TA V-16	59	177,844	\$236,409	\$434,657	\$800,299
Kohler	2100	Detroit 16V4000G83	84	203,110	\$292,547	\$475,388	\$913,994
Kohler	2270	MTU 20V4000G83	116	237,171	\$340,148	\$524,180	\$1,067,270
Kohler	2270	MTU 20V4000G83	116	237,171	\$340,148	\$524,180	\$1,067,270
Kohler	2540	Detroit Diesel / MTU	116	254,385	\$371,950	\$571,287	\$1,144,731
MFG	kWe	Engine Model	Radiator HP	Gallons Year Saved	Coolant Saved / Year	Exhaust Saved/Yr	Total Savings / Year

For Additional Information Contact:
 Infinity Turbine LLC
<http://www.InfinityTurbine.com>
 TEL(608) 238-6001