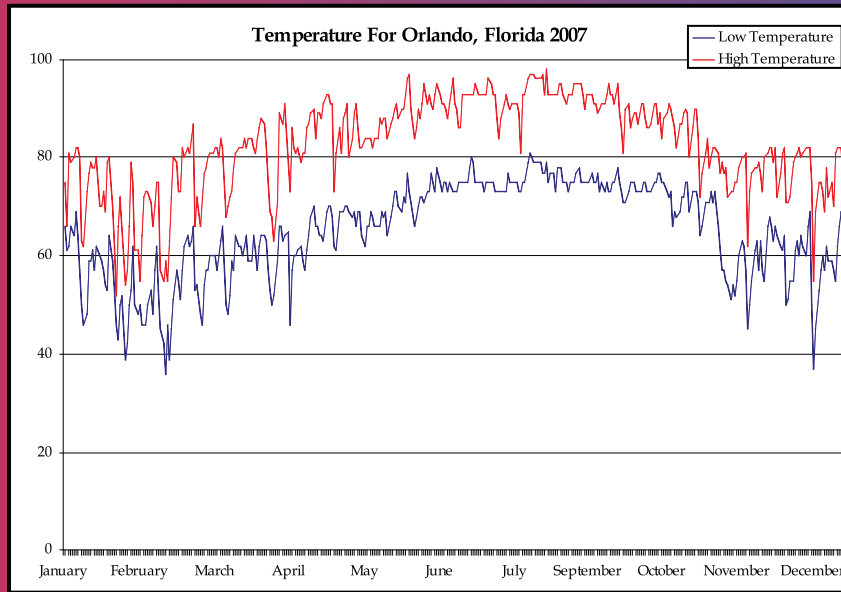




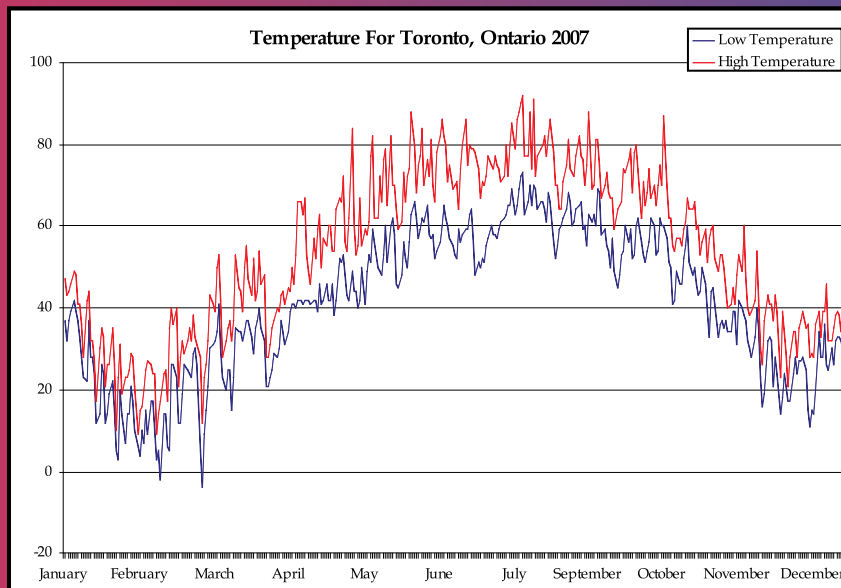
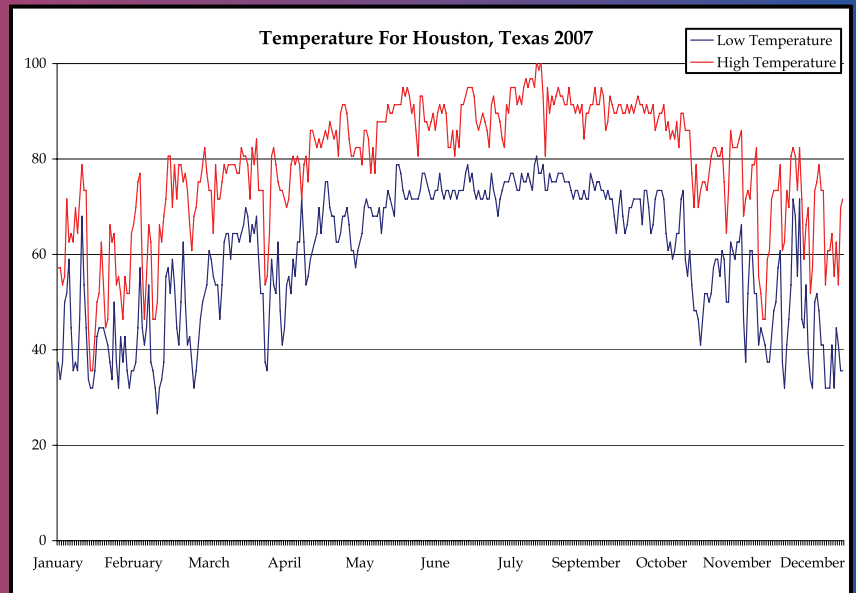
CLASS, COMFORT AND PROFITABILITY

Environmental Climate Control Solutions

Do You Know Your Personal Comfort Zone?



These charts show the temperature highs and lows in the areas mentioned. These accurate temperatures are an easy tool to determine an estimated usage of the Patriot. Simply draw a line for the minimum and maximum temperatures that you are comfortable in and estimate the amount of time spent in those areas.



Determining Your Cost Savings

A	Kilometers traveled per truck per year	180,000
B	average speed(KPH)	75
C	total number of over the road hours (A/B)	2400
D	%of over the road time I-C5	60%
E	% of idle time	40%
F	total number of idle hours	1600
G	Avg. purchase cost of fuel per gallon	3.5
H	Avg. fuel consumed per hour of idling	1.2
I	Avg. fuel consumed by Patriot per hour (gallons)	0.2
J	Avg net fuel saved per hour using Patriot (H-I)	1
K	Avg \$ saved per hour (J x K)	3.5
L	Avg. Net fuel savings per year per truck (F x G x J)	\$5,600
M	Avg. annual idle fuel expense per truck, if fleet does nothing (F x G x H)	\$6,720
N	Avg. fuel consumed by Patriot per year (I x F x H)	\$1,120
O	Avg. fuel consumed by Patriot over life of vehicle (N x P)	\$5,600.00
P	Avg. number of years truck is kept	5
Q	Avg. life time cost per truck, if fleet does nothing (M x P)	\$33,600
R	Avg. life net fuel savings per truck (L x P)	\$28,000
S	Purchase price of a Patriot Generator System	\$9,995
T	Total number of trucks in Fleet	39
U	Engine wear and Maintenance of driving based on \$1.65 /hr PER YR. (C x 1.65)	\$3,960.00
V	Engine maintenance and wear driving based on life of truck (U x P)	\$19,800.00
W	Engine wear and Maintenance of idle (F x 1.65)	\$2,640.00
X	Engine wear and Maintenance of idle over life of truck (W x P)	\$13,200.00
Y	Engine wear and Maintenance of Patriot PER YR	\$960.80
Z	Engine wear and Maintenance of Patriot over life of vehicle	\$4,804.00
AA	Total Investment of maintenance and fuel of truck idle per year (M + W)	\$9,360.00
AB	Total investment of maintenance fuel and of Patriot system per year (N + Y)	\$2,080.80
AC	Total savings having the Patriot per year (AA - AB)	\$7,279.20
AC	Total fuel and maintenance savings over life of vehicle (AC x P)	\$36,396.00
AE	Total Savings after purchase of Patriot (AE - S)	\$26,401
AF	Total savings for entire fleet (AE x T)	\$1,029,639
AF	Years to payback (S / AC)	1.4
	All Red lettering is Customer Supplied Data All Blue Lettering is determined by formula	

COMPARE THE BENEFITS



OPERATOR CONTROL

Backlit display when blower is on
Digital hourmeter
Three speed blower switch
Feather control for heat
Simple On/Off switch for engine run
Heavy plastic operator control box
Simple controls for the operator with full control on A/C and Heat to optimize comfort



POWER CONTROL CENTER

Simple easy to access electrical center for all fuses and relays



CONDENSER ASSEMBLY

Powerful condenser fan
Multiflow condenser for enhanced performance
(used on models without rad package)



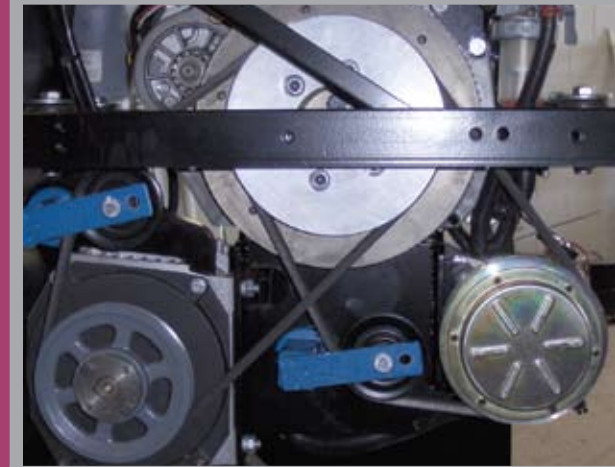
HVAC UNIT

R134A refrigerant
275 CFM blower
Amazing 20,000 BTU cooling and 26,000 BTU heating
Variable flow heater control valve
Washable air filter
Compact in size
- 8.25(H)x12.88(W)x17.125(D)
2 - 3" outlets for ducting



BELT DRIVES

"Torsion tensioned" compressor and generator belt reduces vibration and extends belt life.



EXHAUST SYSTEM

Insulated exhaust to reduce heat build up around the engine to maintain a small package and still have proper cooling of engine.



RADIATOR/CONDENSER PACKAGE

Optional radiator package allows space considerations and independence from the truck cooling system. It can be installed on the right or left side of the APU or independent.



SERVICE ACCESS

Dip stick, primary and secondary fuel filter, oil filter and oil filler are all accessible when front cover is removed.



- Stainless Steel enclosure reduces corrosion and improves the appearance of the vehicle.
- Easy access to filters from front cover and bottom air cleaner cover.
- Draws cool outside air for engine combustion through a high performance filter with safety filter inside to protect your investment to the highest standards.
- Draws air in away from air stream of truck to keep engine compartment much cleaner. Requires only enough room beside the unit to allow access to cover bolts.
- Engine shut down protection for overheat and low oil pressure.
- Entire inside of the covers insulated with special material designed to reduce the noise extremely.
- Temperature controlled engine cooling fan exchanges air in APU only when required to reduce noise, power consumption and increases heat quickly for optimum efficiency of engine.
- Provides more heat quicker than any other system on the market.
- Multi chamber exhaust specially designed to reduce noise.
- Automatic reset breakers for 110vac built into unit - no getting out to reset.
- Newage double bearing generator with replaceable components.
- Seltec TM16 compressor for improved volumetric efficiency for air conditioning.

Testimonials



“I’ve really enjoyed the Patriot over this past year. It has been very reliable for heating, air conditioning and the 110 volt power. What I like the most is its simplicity. There is no fancy controls, just turn on and turn off. I love the unit.”

“The Poppy Truck” owner/operator Larry Josie from Coburg, Ontario



“Our fleets “PATRIOT” APU’s have been in service since the Spring of 2008. The units are working well and performing exactly as expected, parts are readily available and they look even better.”

**Bruce Williamson, Maintenance Manager
Best Transfer, Guelph, ON.**

Don't See What You Are Looking For?

Mobile store situations can utilize the Patriot for heating the truck engine by using The optional timer. It will also provide air conditioning and heating for the rear store portion of the vehicle. Battery charging by the 55 amp alternator and 110 volt AC for the computers and printers is provided by the generator driven by the Patriot.



Crane application provides heat and A/C as well as 110 volt AC to provide extra lighting. Uses a back wall unit and has a radiator to be self contained.

The Patriot is used for anti-idling on this loader to provide climate control in the cab. Using 10 gallons per hour at idle this 1000HP machine is a perfect example of the flexibility of the Patriot system.



AVAILABLE MODELS

- 8901000A 12 Volt Truck APU system complete without radiator package
- 8901000B 12 Volt 6KW generator only with radiator
- 8901000D 12 Volt Truck APU system complete with radiator package
- 8901000E Truck Generator APU 6KW with On/Off switch and hour meter
- 8901000F Truck Generator system complete with Radiator pack right side mounted

All Models available in 304 Brushed Finish Stainless add suffix "SF"

All Models available in 304 Mirror Finish Stainless add suffix "MF"

AVAILABLE OPTIONS

- Remote Start
- DC Controlled Outlet Box
- Programmable Timer

SIZE

	APU	HVAC
Height	28"	8.25
Width	18" w/o rad	12.88
	28" with rad	12.88
Depth	25"	17.125

SPECIFICATIONS

- Weight: APU without radiator 452 lbs
- Weight: APU with radiator 487 lbs
- Weight: Condenser assembly 16 lbs
- Weight: HVAC Unit 27 lbs

GENERAL

- Generator 6.0KW
- Alternator 55 amp 12VDC
- Engine Yanmar 2TNV70

HVAC SPECIFICATIONS

- 20,000 BTU cooling
- 26,000 BTU heating

WARRANTY

2 Year 2000 hour limited warranty

PLEASE CONTACT YOUR LOCAL DEALER



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