

Company Information	AMSEnergy Corp	Calnetix Technologies & Access Energy	Concepts NREC	CSE Industries	Echogen Power Systems-1	Echogen Power Systems-2	GeoFA Energy, LLC	HeliDyne Gas Expander	Infinity Turbine LLC	Kalshan Compressor
Contact Name	Michael Sims	Herman Artisan	Jim McNamee	Peter Fazio			Richard Dalrow	Kevin Ruffin	Gregory Goss	Mike Bush
Contact Title	CEO & President	VP	Manager, ORC Systems and Engineering Sales	CEO			VP President	President / CEO	President	Sales
Contact Phone Number	562 201 1660	800 286 6126	800 286 6126	347 461 7000	214 542 4179	214 542 4179	214 679 9191	415 413 7248	608 218 6001	770 295 7943
Contact Email	msims@amenergy.com	hartisan@calnetix.com	smcnam@concepts-nrec.com	pfazio@cseind.com	info@echogen.com	info@echogen.com	rdalrow@geoenergy.com	hruffin@heli-dyne.com	ggoss@infinityturbine.com	mbush@kalshan.com
Company Name	AMSEnergy Corp	Calnetix Technologies & Access Energy	Concepts NREC	Peter Fazio	Echogen Power Systems	Echogen Power Systems	GeoFA Energy, LLC	HeliDyne LLC	Infinity Turbine LLC	Kalshan Compressor
Company Phone Number	615 852 8412	800 286 2121	800 286 2121	315 462 4179	614 642 4179	614 642 4179	415 421 1895	415 421 1895	608 218 6001	770 295 7943
Company Website	www.amenergy.com	www.calnetix.com www.access-energy.com	http://www.concepts-nrec.com/	www.cseind.com	www.echogen.com	www.echogen.com	http://www.geoenergy.com/	http://www.heli-dyne.com	www.infinityturbine.com	http://www.kalshancompressor.com/
Address	1111 Bear Creek Pike	13012 Shoemaker	217 Bingham Farm Road	217 Bingham Farm Road	365 Water St	365 Water St	6179 Research Blvd	1425 W. Red Lodge Rd, Ste 102	PO BOX 5617	
City	Calistoga	Calistoga	White River Junction	White River Junction	Akron	Akron	Frank	Washington	Madison	
State	CA	CA	VT	VT	OH	OH	VT	VT	WI	
Zip	94901	94901	05002 9488	05002 9488	44313	44313	75013	53705		
Model Name	Heat Pipe Heat Exchanger	Thermopower MT 125 & MT 125		ParCo			ThermalDyne Power System	Plasticator Turbo Expander		
Model Number	Will vary upon design									
Gross Output (KW)	xxkW-xxkW	125kW	330	342-500kw	8000	1500	1000kw - 6.0 MW	55	12, 40, 120, 300, 600, 1,200 and 3,000	95 kw - 2.5 MW
Net kW	xxkW-xxkW	125kW	300	peaks about 375	7800	1350	400 kw - 5.0 MW	60	Same as Model Name	
Range of Inlet Fluid Temperatures (°C)	50	85C to 150C	180-435°F (80-220°C)	180-185F	450-600		110°F - 280°C	176 C	80-120 C	180°F to 1000°F
Range of outlet fluid temperatures (°C)	1000		not initial	140	85-100			50 C	35 C	35 C to 300 C
Phase options	3		depends on operator				3 Phase	3 phase only	35 C, 50 C, 75 C, 100 C, 125 C, 150 C, 175 C, 200 C, 225 C, 250 C, 275 C, 300 C	
Hz options	50 & 60Hz		50, 60	same			50 or 60 Hz	50 or 60 Hz	50 or 60 Hz	50 or 60 Hz
Output voltage	same	280 to 330	380-500 VAC	same			480 V or 480 V	220 or 480 V	480 V	480 or 480
Voltage available		120V/208								
Remote monitoring (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Remote Operation (Y/N)	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Working fluid(s)	depend on temp's and energy streams	R245fa	R112, R113, R114, R134a, R236fa, R245fa	liquid CO2	supercritical CO2	supercritical CO2	R125, R134a, R236fa, R245fa	Y (stand alone or grid connection)	Y	Y
Outdoor / indoor / both	both	both	both	both	both	both	both	both	both	both
Dimensions	various	3' x 5' x 7' long	14' 02" x 11' 02" x 8' 07" tall	2nd 7' tall	20' 000 lbs					
Weight	4000lb		1,200 pounds (544 kg)							
NEMA level	Typically a just	mobile	either	either	stand mounted	stand mounted	Stand Mounted	Pad		
Control / Monitoring Equipment Included (Y/N)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Cooling (Condensing Source: air, water, flexible?)	N	Y	Y	Y	Y	Y	Y	Y	Y	Y
Can existing condensing be integrated?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Provides a Maintenance plan (Y/N)	Y	Y	through third party vendor	Y	Y	Y	Y	Y	Y	Y
Maintenance interval (i.e. every ## hours)	if gets internally plugged/dirty	8000hrs		Y	Y	Y	Y	Y	Y	Y
remote access online (Y/N) - how long?	N/A	Y, 24hrs	Y	Y	Y	Y	Y	Y	Y	Y
Performance guarantee	yes if requested at cost	Not usually	Y	Y	Y	Y	Y	Y	Y	Y
Warranty length	negotiable	1 year standard	1 yr	1 year +	1 year	1 year	1 year	1 year	1 year	1 year
Delivery time	12-14 wks typically quoted	5 months	12 mo	120 days				6-8 months	2-6 months	1 month
Shipping method	air/sea	both	container	container				Freight	Container	ocean freight
Shipping (Domestic/International/ both)	both	both	both	both				both	both	both
Shipping included in price (Y/N)	N - available	N	N	N				N	N	N
Installation for HE and Pipe (Y/N)	available	N	N	N				N	N	N
In development phase (Y/N)	N	Y	Y	Y	Yes	Yes	Y	N	N	N
Number of machines sold or in operation	many	over 300 units	0	0				4 units sold to date	Confidential	5000
Approx. hours in operation	many	most application are 24/7								1000
Equipment sold through main company (Y/N)	N	Y	Y	Y				Y	Y	Y
Distributor contact name	See above			016						
Distributor address										
Distributor email										
Distributor phone										
Equipment cost (optional)	varies on size			3.00 watt				Project Based		
Installation fees (optional)	varies on size			Y						
Maintenance fees (optional)	varies on size			Y						
Installation includes engineering and labor to interface heat source with technology (Y/N)	N - available	Y	Y	N				Negotiable		
Installation includes engineering and labor to interface renewable source with technology (Y/N)	N - available	Y	Y	N				N		
Special installation equipment required, i.e. crane, cherry picker, fork lift (Y/N) if Y list size/capacity	Y - depends on size	N	N	N				N		
Does installation include grid connection (Y/N)	N/A	Y	Y	At additional cost				Feasible	Depends on site	
Equipment requires license to operate (Y/N)	N	Y	Y	Y				N	N	N
Commissioning included (Y/N)	N - available	Y	Y	Y				N	N	N
Comments			Concepts NREC is primarily a turbomachinery consultant, providing design, engineering and prototype hardware to our clients. As such, most of our work is custom for our clients who will then manufacture it at their discretion. The CH200, described above is a 300 kW custom, horizontally seated turbine generator that we have available for commercial sale. It can be sold packaged as a complete unit or sold separately as a turbo-generator to be integrated by the end user.			Expected commercial availability: Q4 2014	Expected commercial availability: Q3 2014. Specifically designed for marine applications		A geothermal version of our technology has not been commercialized yet, however we do offer - and have sold - waste pressure recovery equipment.	