



WHO WE ARE

We are Lloydminster's plumbing and heating authority. Guardian Plumbing & Heating Ltd. has been serving the Lloydminster area for many years and wants to earn your business.

Our loyal customers love our personalized treatment; it keeps them coming back each time a new issue arises. We treat our customers like our family.



OUR VISION

To first and foremost honour God. To provide quality workmanship and material to our customers, installed by motivated, respectful, and honest employees. We will never sacrifice our integrity for any job.



CONTACT US

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www.MACHED.ca

5411-50th Avenue, Lloydminster, SK S9V 0R1



Multiple application
Accurate temperatures
Condensing technology
High
Efficiency
Dry air

WHY MACHED?

- Our units can be used for any application you can think of! Whether you require heating or drying, we have the knowledge and equipment to make that idea become a reality.
- With accurate burner controls, you will be able to achieve any temperature you may require and keep it there, no matter the outside temperature.
- Our condensing technology ensures that you are getting the most, dry heat from the flame while wasting minimal energy.
- Highly efficient, MACHED will cut your monthly bills down while performing at peak optimization.
- Dry air - because moisture is the enemy.

Protect your commodity MAKE SURE IT'S DRY



M.A.C.H.E.D. DRYER UNIT

- Mobile • Accurate • Condensing
- High efficiency • Dry air



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TESTIMONIALS

“For the last two years, Guardian’s MACHED Mobile Heating Unit has been a very useful tool on our farm.

Two years ago, we had 4-5 quarters of wheat that we had to take off wet. We had an abundance of wet grain that we couldn’t sell and needed to find a more cost-effective way to dry our grain, besides taking it to the elevator. We came across Guardian’s MACHED Unit and put it to work right away. We were able to dry all of our grain over the winter and by the time the following summer hit, all our grain was dried and sold.

Another aspect I like about the MACHED Mobile Unit is that it turns our eight aeration bins into heater bins, which makes our drying much more effective and changes our strategy going into the harvest.

This year, when we hit a rainy patch later in the season, not wanting to lose days waiting for the grain to dry in the field we took out the MACHED Unit and kept combining. Knowing that we have the ability to dry grain much faster than normal has changed the way we look at harvesting wet grain.

In the past, we may have been more inclined to leave it on the field and wait for it to dry, rolling the dice with the weather, but having the MACHED Unit put us in a position where we are able to get it into the bin knowing that we are able to dry it. I would rather have the grain in the bin drying than in the field waiting for warm days to dry it. With the MACHED Unit, I can also control how much heat I put to it. We run two bins off our MACHED Unit and we set our to hold 30°C, if it’s a hot summer day the bin is 30°C.

All in all, the MACHED Unit has been very useful to us and is a tool we will be using every year.

Glen Peregrin - PEREGRIN FARMS



APPLICATIONS

- Temporary heat • Grain drying • Ground thaw
- Concrete curing • Temporary hot water • Emergency boiler or hot water services • Construction heat • High efficiency substitution for hot water pressure washers
- Heat for any application



THE SPECS

	T200	T400	T600	Custom
Fuel Type	Nat. Gas / LP	Nat. Gas / LP	Nat. Gas / LP	Nat. Gas / LP
BTU's	43-199 MBH	43-398 MBH	43-597 MBH	43-whatever you can imagine
Efficiency	Up to 98%	Up to 98%	Up to 98%	Up to 98%
Fluid Type	Glycol / Water Mixture	Glycol / Water Mixture	Glycol / Water Mixture	Glycol / Water Mixture
Electrical	120V	120V	120V	120V
Gas Line Size	3/4"	3/4"	3/4"	Determined by application
Gas Line Pressure	13" w.c. - LP 7" w.c. - Nat. Gas	13" w.c. - LP 7" w.c. - Nat. Gas	13" w.c. - LP 7" w.c. - Nat. Gas	Determined by application
Drying Capability	Up to 10,000 Bushels	Up to 20,000 Bushels	Up to 30,000 Bushels	Determined by application



SAVINGS

Heating Fuel	60% Efficiency	80% Efficiency	90% Efficiency	95%-98% Efficiency	100% Efficiency
Natural Gas	\$722	\$542	\$481	\$473	
Fuel Oil	\$2,885	\$2,164	N/A	N/A	
Propane	\$1,936	\$1,622	\$1,443	\$1,416	
Electricity					\$2,345



THE FACTS

1. Up to 98% efficient, so immediate saving over any other units on the market. This can be proven through the low exhaust temperature.
2. Dry hot air.
3. Accurate temperatures set by you and automatically maintained.
4. The MACHED Mobile Unit can lower your moisture content by up to 5% for only \$0.02 a bushel.
5. Burns 0.21 gigajoules of NG per hour on full flame (\$0.55 per hour at \$2.60 per GJ NG, T200).
6. Burns 8 liters of LP per hour on full flame (\$2.40 per hour at \$0.30 per liter LP, T200)
7. The best option for customers with limited gas supply.
8. Six-pass high efficiency coils.
9. Requires an insignificant amount of electricity to operate.
10. Reduces fan runtime, decreasing electricity costs.

