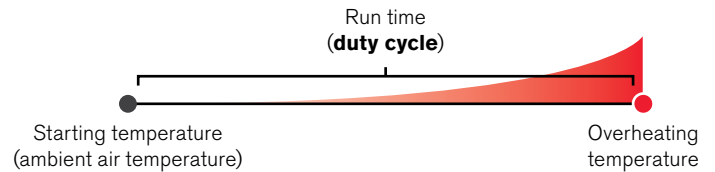


THE IMPORTANCE OF DUTY CYCLE

The big picture.

Duty cycle is the amount of time a power tool like a plasma cutter, can run in a given amount of time. For plasma, that number is 10 minutes. This rating is extremely important to consider when selecting a plasma cutter because it paints a clear picture of how much production time can be expected from a unit.



The calculation: temperature and output.

How quickly a unit overheats is the first defining factor of a duty cycle rating. When the air temperature is lower, it will take longer for a unit to overheat. When tested at higher temperatures you get a clearer picture of how the cutter will perform in adverse conditions.

The other factor is amperage output. When a plasma cutter is tested at 100% output, you get a realistic idea of its capability. Similar to a sprint, you can see the full speed and power potential compared to a jog.



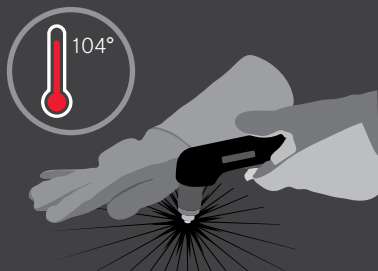
When running in cooler temperatures, a person can go much longer before needing a break. Higher temperatures cause the body to overheat quickly.



A jog is sustainable over time, but is a reservation of power to show endurance. A sprint is completed at max output levels, using full energy to get the job done.

Beyond capable.

Hypertherm's plasma cutters are tested at the highest threshold. These testing standards guarantee a product that has the resumé to get the job done, period.



Hypertherm tests all its plasma cutters in a 104° environment, to guarantee your cutter stands up to the hottest conditions

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Hypertherm tests its plasma cutters at maximum amperage output to guarantee every system works as hard as you do



Maximum-rated duty cycle:
Best performance