

# ***NetGain Motors, Inc.***

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## ***Special Update***

**Date:** September 29, 2017

**To:** All Authorized Motor Dealers

**Subject:** Announcing Availability of Chill Plates for **HyPer-Drive X1™** Controllers



Chill Plates for the **HyPer-Drive X1™** controller are now available through **NetGain Motors, Inc!** When combined with a proper liquid cooling pump and radiator, this Chill Plate will extract significant amounts of heat generated by the controller, vastly extending the controller's high power operation time. This is a must have accessory for anyone looking to push the limits of our new **HyPer 9™** Motor!

The **HyPer-Drive X1™** has an operating temperature range of -40°C to +95°C. When the controller's heatsink temperature reaches +80°C, Thermal Cutback Mode will activate linear de-rating of the controller's output power. This linear de-rating continues until shut down at +95°C. Without a chill plate, the current rating of a properly mounted **HyPer-Drive X1™** is 750A for 2 minutes. A liquid cooling loop, fed through this chill plate, can yield approximately 2-3 times the stock duty cycle. A liquid cooling system is strongly recommended for any application requiring a continuous rating above 200 Amps.

Pricing for this controller *Add-on* can be found in the attached price list. As a reminder of our 8/17/17 notice, new pricing will take effect this Sunday, October 1<sup>st</sup>, 2017. **Dealers, please update your advertised pricing.**