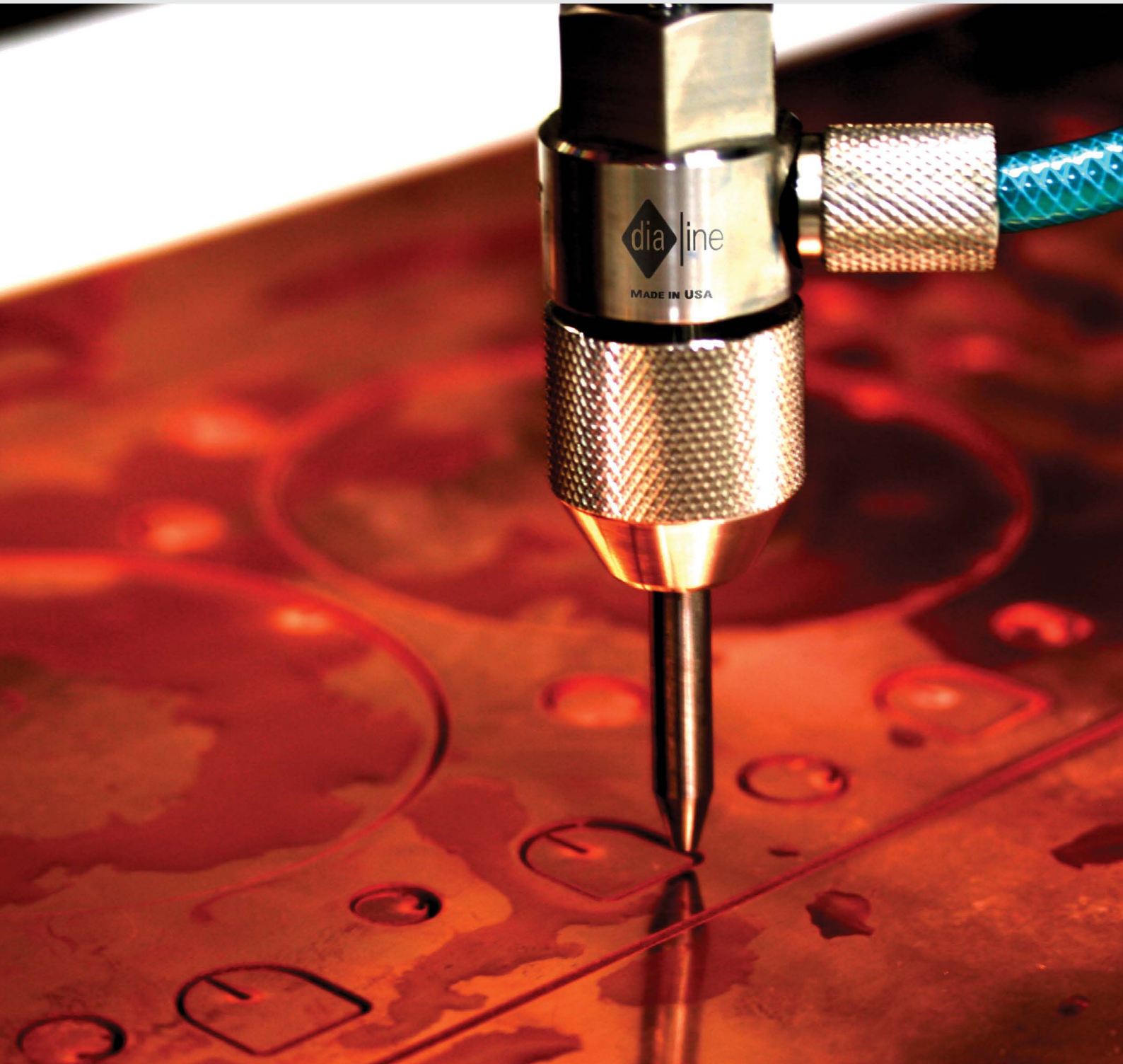


# DynaMAX® 3-series waterjet pumps

Simplifying service





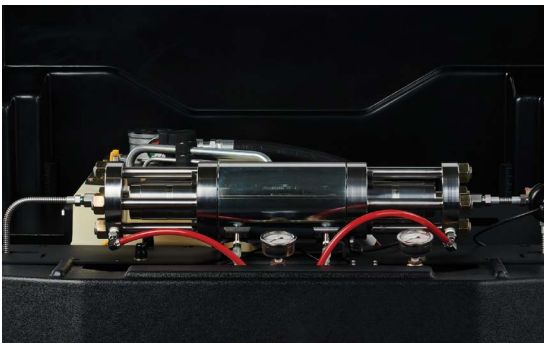
# DynaMAX 3-series pumps

Designed and built to simplify service

DynaMAX® 3-series pumps are the first waterjet pumps to incorporate cartridge seals that substantially reduce time to conduct maintenance. Equipped with standard features such as our next evolution of Advanced Intensifier Technology™ (AIT) and closed-loop proportional pressure control, our pumps offer you consistent cut quality while ensuring trouble-free operation and reliability.

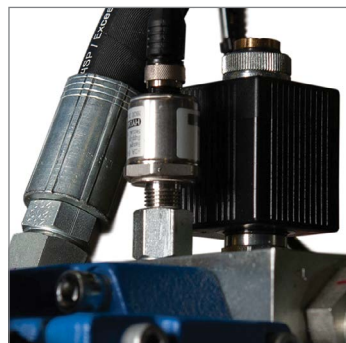
## Reduced maintenance time

DynaMAX 3-series pumps include the next evolution of Hypertherm Associates' Advanced Intensifier Technology. This technology eliminates soft, static high-pressure seals and incorporates industry-leading cartridge seal design, enabling rapid replacement of common consumables.



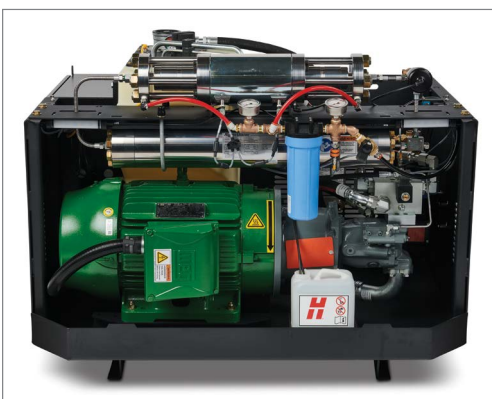
## Increased performance

Standard on all DynaMAX 3-series pumps, closed-loop proportional pressure control adjusts for ambient pressure and temperature, oil viscosity and hydraulic system wear parts, to deliver consistent quality at optimum cutting speeds.



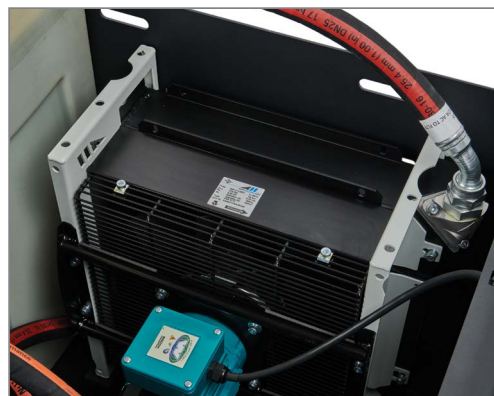
## Improved reliability and ease of service

With 20% fewer parts than earlier generations, DynaMAX 3-series pumps include user-friendly features such as common service components located front and center, quick-connect fittings, and an easy access bleed-down valve, to make maintenance faster, easier, and less expensive.



## Reduced footprint

Smart industrial design, including fully integrated cooling, allows a reduced footprint, enabling integration into small, tight spaces.



# The next evolution of Advanced Intensifier Technology™ simplifies system maintenance

Say goodbye to complicated seal repair. DynaMAX®3-series pumps incorporate cartridge seals, enabling rapid replacement of common consumables, leading to quicker return to service. Add this to other key features of AIT and it's easy to see why Hypertherm Associates is an unstoppable force in waterjet!

## Reversible cylinders

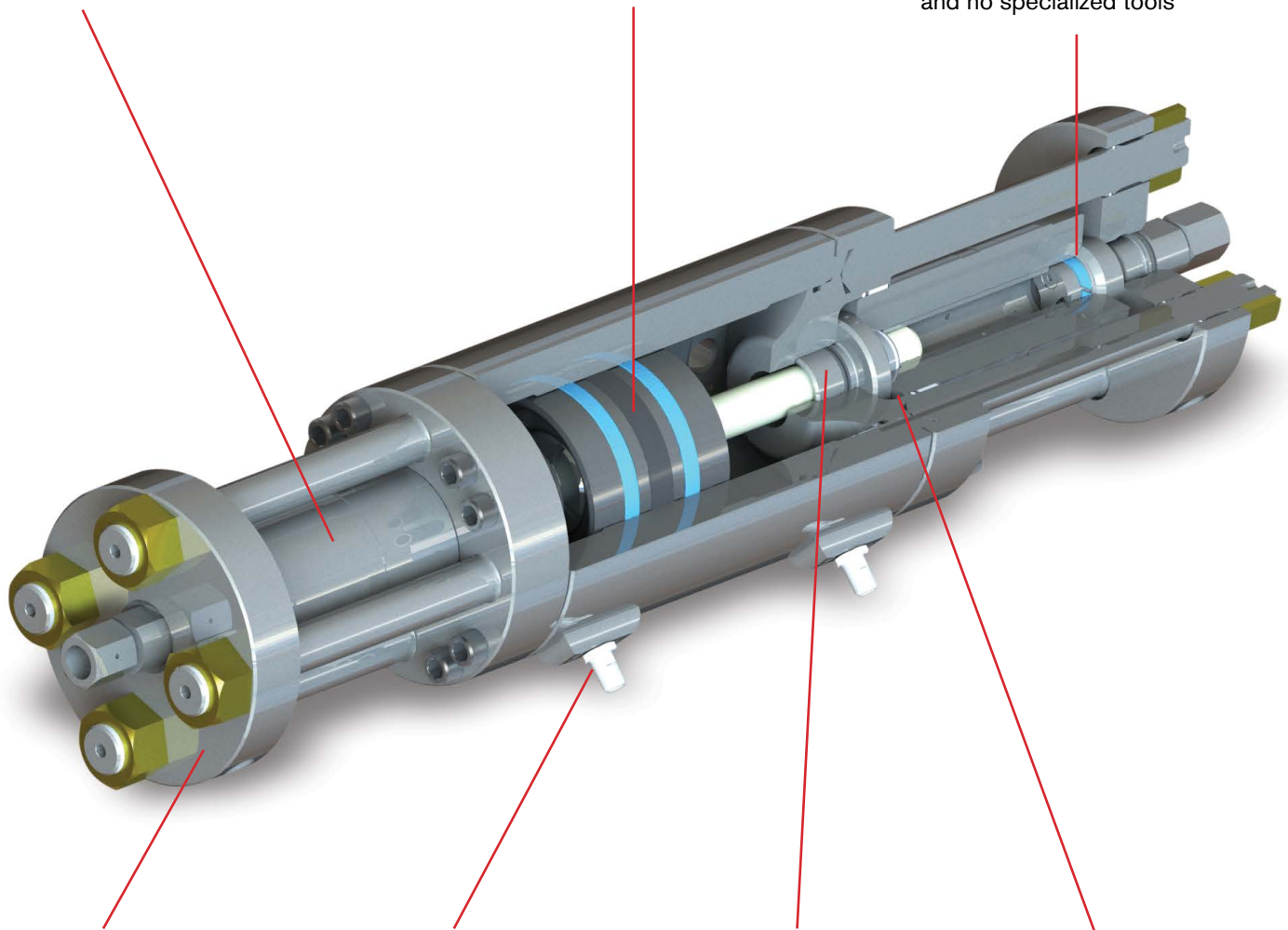
Enables error-proof maintenance

## Advanced piston design

Minimizes seal wear and improves component life

## Hard static seal

Reduces maintenance cost through elimination of soft seal components and no specialized tools



## Simple high-pressure ends

Enables easy access for maintenance

## Direct sense piston

Improves reliability and enables rapid stroke reversal to optimize system operation

## Oil and water seal access

Simplifies maintenance by locating seal access external to the center section

## Fluid routing

Collects fluid leaks to help keep your floor clean



# Choosing the right DynaMAX® 3-series pump for your application

## System specifications



		DynaMAX 315		DynaMAX 330		DynaMAX 350	
		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
GENERAL	Maximum output	1.1 lpm		2.3 lpm		3.8 lpm	
	Maximum orifice	0.18 mm		0.28 mm		0.35 mm	
	Output pressure	Adjustable to 4,100 bar					
	Pressure control	Closed loop proportional pressure control – standard equipment					
	Bleed down valve	Air-actuated					

PUMP POWER	Motor power	11.2 kW			22.4 kW			37.3 kW		
	Voltage	400 V	208-230 V	460 V	400 V	208-230 V	460 V	400 V	208-230 V	460 V
	Full load	23 A	45-41 A	21 A	44 A	82-76 A	38 A	74 A	136-124 A	62 A
	Main breaker	30 A	60 A	30 A	60 A	100 A	60 A	100 A	200 A	100 A
	Motor starter (options if more than 1 listed)	Across-the-line			Wye-Delta Soft Start	Across-the-line	Across-the-line Soft Start	Wye-Delta Soft Start	Wye-Delta	Wye-Delta Soft Start

SPECIAL FEATURES	Advanced Intensifier Technology	Included as standard equipment								
	Closed loop proportional pressure control	Included as standard equipment								

PHYSICAL	Width	1,090 mm								
	Length	1,350 mm								
	Height	1,010 mm								
	Operating weight	775 kg			825 kg			925 kg		

ACCESSORIES	Boost pump	Optional								
	Integrated air over oil cooling	Optional								
	Bulkhead connection kit	Optional								
	Metric conversion kit	Optional								
	Pump mounted whip kit	Optional								



**DynaMAX**



## A knowledgeable partner who knows what you need

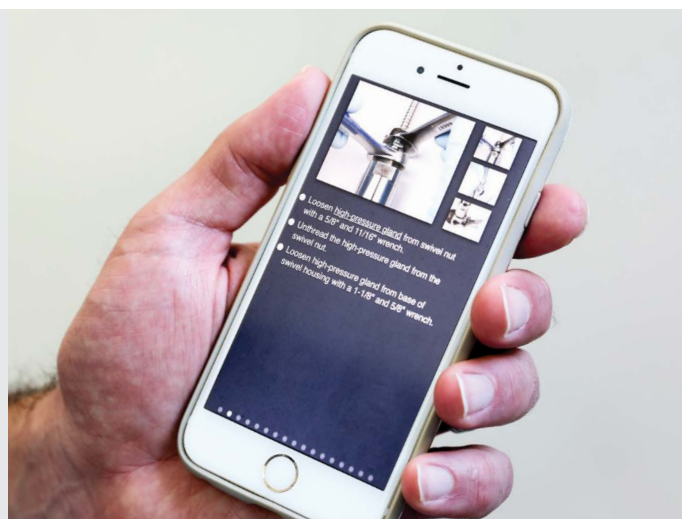
Hypertherm Associates built the most robust information tools in the cutting industry. From responsive waterjet experts working the customer service lines, to mobile applications and 24/7 online technical service guides, Hypertherm Associates provides what you need to know. And we offer it to our customers free of charge.

Information is only good when you have it. Be informed, be connected, and stay ahead of profit-losing troubles and delays with insights from Hypertherm Associates.

- Voicemail-free, expert waterjet support during business hours
- Global distribution ensures fast response and speedy parts delivery
- Waterjet Mobile Assistant by Hypertherm Associates for iOS and Android
- Online technical guides with step-by-step repair instructions (<http://assist.hypertherm.com>)
- Available on-site product training

## We ship faster, so you are back to work sooner

We strive to fill every order the day it is received. Our goal as owners is to ensure you get what you need when you need it. If we can not ship the same day, we will call you. From our job shop roots, we know how it feels to be down, so we will do everything we can to keep you cutting.



Waterjet Mobile Assistant gives you instant access to detailed, step-by-step maintenance and repair procedures, including part numbers.

### Get the mobile app

Download the Waterjet Mobile Assistant by Hypertherm Associates from the App Store for iOS or from Google Play for Android using the links below.





Constancy  
of purpose

Drive to  
innovate

Passion for  
customer  
success

# The Hypertherm Associates corporate story

Hypertherm. OMAX. Centricut. ProNest. AccuStream, Robotmaster. These names and more represent the world's leading industrial cutting technologies and solutions, and they can all be found in one company: Hypertherm Associates. With constancy of purpose, a drive to innovate, and a passion for customer success, Hypertherm Associates is leading the industrial cutting and shaping industry.

## Shaping Possibility

Since the founding of Hypertherm Associates in 1968, we have always believed in the value of surpassing expectations. It's why we make continued investments in people. It's why we invest aggressively in ongoing product development. And now, it's why we'll be known as Hypertherm Associates: a 100% Associate-owned company composed of the world-class industrial cutting technologies and solutions you know and trust – plasma, waterjet, CAD-CAM, robotic software, and more – to help our customers succeed in ways that have never before been possible.

Hypertherm Associates builds on our legacy of challenging what's achievable with the products we create, the culture we foster, and the experience we deliver to our customers – and then goes further. Whether plasma, waterjet, or the consumables, software, and services that enable connected factories and optimized performance, the solutions that help our customers meet their business objectives can all be found in one place: Hypertherm Associates.

## Committing to Success

Behind the name Hypertherm Associates lies a fundamental commitment to the success of people: our customers, partners, our Associates, and communities. Our dedication to 100% Associate ownership is a direct result of that commitment. By maintaining complete independence from external shareholders or other corporate entities, we can focus on our customers and partners to deliver exactly what they need. And because our Associates work together moving toward a common goal, they are an energized workforce dedicated to delivering a consistently superior customer experience.

## Leading the Industry

From aerospace to agriculture and energy to infrastructure, the people, brands, and technologies of Hypertherm Associates can already be found everywhere advanced manufacturing is happening around the globe. In fact, hundreds of thousands of businesses are relying on Hypertherm Associates technologies and solutions right now for performance and reliability that help increase their productivity and profitability. And that's why companies worldwide turn to Hypertherm Associates to build ships, airplanes, and railcars, to construct steel buildings and bridges, to fabricate heavy equipment and wind turbines, and a whole lot more.

Through our portfolio of technologies and solutions, Hypertherm Associates employs more than 1,900 people and maintains operations and partner representation globally. With Hypertherm Associates, we've created a framework for growth and expansion that will allow us to bring the latest innovations to our customers more quickly, and with a deeper level of integration and customer support.

Hypertherm Associates is the evolution of a vision that continues to put our customers first, to solve their challenges, and to make it even easier to do business with us. Our global team is committed to continuously finding ways to make our company, our customers, and our communities more successful, and we're excited to have you with us as we continue our journey of shaping possibility.

# SHAPING POSSIBILITY®

PLASMA | LASER | WATERJET | AUTOMATION | SOFTWARE | CONSUMABLES

For more information, visit: [www.hyperthermassociates.com](http://www.hyperthermassociates.com)

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ASSOCIATES™**

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Environmental stewardship is one of Hypertherm Associates' core values. [www.hyperthermassociates.com/environment](http://www.hyperthermassociates.com/environment)

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