



**OMAX**<sup>®</sup>

A Hypertherm Associates Brand

# Chiller Systems



For utmost efficiency and high performance constancy in your abrasive waterjet system, delivering uniform cool water to your pump is critical. The air-cooled OMAX Chiller optimally supplies inlet water at a consistent temperature, which extends pump seal life for longer, more sustainable production. OMAX is keenly aware of the impact its systems have on the environment, so the OMAX Chiller uses R407c, an environmentally friendly refrigerant with zero ozone depletion potential. Using the 5 Ton Chiller or larger also allows for seamless interaction with the OMAX Water Recycling System to significantly reduce overall water consumption.

## High Efficiency Compressors

The OMAX Chiller utilizes scroll compressors to deliver smoother and quieter performance while maintaining high reliability and efficiency. Precisely engineered internal counterbalances reduce vibration, further decreasing noise while producing a cleaner, less turbulent output.



## Features & benefits

- Controls the inlet water temperature entering your pump equipment
  - Reduces pump rebuilds and machine downtime
  - Designed for ambient temperatures from 35°F (1°C) to 100°F (37°C)
  - Stainless steel evaporator
  - Powder-coated steel cabinet
  - Single point electrical connection into disconnect
  - Hermetically sealed scroll compressor
  - Removable filter screen on air inlet
  - Ranco microprocessor temperature controller with LCD display
  - NEMA 12/4 electrical enclosure, fully gasketed with lockable disconnect
  - High side filter drier
  - 1/2" NPT inlet and outlet piping connectors
  - Thermostatic expansion valve
  - Liquid line sight glass
  - High and low side pressure switches
  - Environmentally friendly R407c refrigerant
  - Multiple Schrader access points
  - Vibration isolators
- ## Electrical Requirements
- 460 3 Phase 50-60Hz Electrical Input

	Rated Capacity <sup>1</sup>	Maximum Capacity <sup>1</sup>	Dimensions	Dry Weight (Approximate)	Water Recycling System
2 Ton	24,000 BTU/hr	24,000 BTU/hr	28" x 38" x 36" (712mm x 966mm x 915mm)	375 lbs (170kg)	No
3 Ton	36,000 BTU/hr	41,000 BTU/hr	42" x 28" x 66" (1,067mm x 712mm x 1,677mm)	750 lbs (340kg)	
5 Ton	60,000 BTU/hr	60,000 BTU/hr		760 lbs (345kg)	
7.5 Ton	90,000 BTU/hr	98,000 BTU/hr	59" x 36" x 66" (1,499mm x 915mm x 1,677mm)	920 lbs (417kg)	Yes
10 Ton	120,000 BTU/hr	132,000 BTU/hr			
12 Ton	144,000 BTU/hr	160,000 BTU/hr			
15 Ton	180,000 BTU/hr	192,000 BTU/hr			

<sup>1</sup>The rated capacity is the standard capacity for the chiller. Due to improvements and enhancements in component efficiency, some OMAX Chiller models are capable of a higher maximum output capacity.



## World-class service, support and innovation for advanced abrasive waterjet systems

OMAX, part of Hypertherm Associates, sets the standard for service and support in the waterjet machine tool industry. It starts with a rigorous certification program at OMAX in Kent, Washington where OMAX direct and distributor technicians are trained to install, operate and maintain OMAX abrasive waterjet systems. OMAX engineers continue to innovate technology for abrasive waterjet machining, from proven 4th generation pump designs to cutting edge drive systems with micron-level accuracy. Customers have a number of contact options to suit their schedules and needs, including an extensive library of online resources. With the largest abrasive waterjet support network in the world, OMAX continues to shape the future of waterjets.

To see how an OMAX abrasive waterjet system can save you time and money, call or visit our website and request a free part analysis today.



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

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